



# ACADEMIC CATALOG 2021-2022



**UNIVERSITY of ALASKA SOUTHEAST**

# TABLE OF CONTENTS

Welcome to UAS .....	4	Academic Advising .....	40
Getting Started: Admission .....	5	Academic Services, Libraries and Learning Centers .....	40
Undergraduate Admission .....	5	Career Services .....	44
Graduate Admission .....	9	Counseling Services .....	44
International Admission .....	9	Disability Services .....	45
Registration .....	12	Exchange and Study Abroad Opportunities .....	45
Credit by Examination .....	14	Food Service .....	45
Information Release .....	16	Health Services (Juneau) .....	46
Academic Regulations .....	18	Housing .....	46
Financial Aid .....	21	Native and Rural Student Center (Juneau) .....	47
Cost of Attendance .....	22	New Student Orientation .....	47
Types of Available Aid .....	23	Student Activities .....	47
Loans .....	24	Student Recreation Center .....	48
Student Employment .....	25	Student Government .....	48
Veterans Assistance .....	25	Student Resource Center (SRC) .....	48
Eligibility for Financial Aid .....	25	Veterans Services .....	48
Deadlines .....	26	Certificate & Degree Programs .....	51
Application Procedures .....	26	Degrees by Colleges and Schools .....	53
Verification of Information .....	26	Arts and Sciences .....	53
Satisfactory Academic Progress Statement .....	27	Department of Business and Public Administration .....	53
Concurrent Enrollment .....	28	Humanities .....	54
Disbursement of Funds .....	28	Natural Sciences .....	56
Tax Issues .....	28	Social Sciences .....	57
Return of Title IV Funds Policy .....	28	Career Education .....	58
Fees and Expenses .....	29	School of Education (SOE) .....	60
Fees and Fee Changes .....	29	Associate Degrees .....	61
Network Access Fee .....	30	Applied Fisheries, A.A.S. ....	62
Student Fees .....	30	Associate of Arts, A.A. ....	62
Community Education, Sponsored, Non-academic and Self-Support Course Fees .....	31	Associate of Science, A.S. ....	63
Senior Citizen Tuition Waiver .....	32	Business Administration, A.A.S. ....	64
MBS Book Vouchers .....	32	Construction Technology, A.A.S. ....	64
Student Refunds .....	32	Health Information Management, A.A.S. ....	65
Petition for Refunds .....	34	Health Sciences, A.A.S. ....	66
Resident and Non-Resident Tuition .....	34	Marine Transportation, A.A.S. ....	67
Western Undergraduate Exchange .....	36	Nursing through UAA, A.A.S. ....	68
Payment Plans .....	36	Power Technology, A.A.S. ....	68
Financial Obligations and Payments .....	37	Bachelor's Degrees .....	70
Academic Calendar 2021-2022 .....	38	Biology, B.A. ....	73
Student Services .....	40	Biology, B.S. ....	74
		Business Administration, B.B.A. ....	75
		Elementary Education, B.A. ....	77

English, B.A. ....	79	Education Endorsement Areas .....	122
Environmental Resources, B.S. ....	80	Occupational Endorsements .....	122
Environmental Science, B.S. ....	82	Accountant O.E. ....	122
Environmental Studies, B.A. ....	83	Alaskan Aquaculture O.E. ....	123
Fisheries and Ocean Sciences with a Concentration in Fisheries Science, B.S. ....	85	Behavioral Health Assistant O.E. ....	123
Interdisciplinary, I.B.A. ....	86	Certified Nurse Aide Training O.E. ....	123
Liberal Arts, B.L.A. ....	90	Computer Aided Drafting Technician O.E. ....	124
Marine Biology, B.S. ....	95	Fisheries Management O.E. ....	124
Mathematics, B.S. ....	96	Healthcare Information Technology O.E. ....	124
Social Science, B.A. ....	97	Law Enforcement O.E. ....	125
Social Work through UAF, B.S.W. ....	99	Marine Transportation O.E. ....	125
Special Education, B.A. ....	100	Maritime & Multi Skilled Worker O.E. ....	125
Certificates .....	101	Northwest Coast Art O.E. ....	126
Accounting Technician Certificate .....	101	Power Technology O.E. ....	126
Applied Fisheries Certificate .....	102	Residential/Light Construction O.E. ....	127
Drafting Technology Certificate .....	103	Scientific Diving O.E. ....	128
Health Information Management Coding Specialist Certificate .....	103	Welding O.E. ....	128
Healthcare Privacy and Security Certificate .....	104	Undergraduate Minor Options .....	129
Indigenous Language Speaking Certificate .....	104	Alaska Native Studies Minor .....	129
Indigenous Language Teaching Certificate .....	105	Anthropology Minor .....	130
Medical Assisting Certificate .....	106	Biology Minor .....	130
Outdoor Skills and Leadership Certificate .....	106	Business Minor .....	130
Pre-Nursing Qualifications Certificate .....	107	Construction Technology Minor .....	130
Pre-Radiologic Technology Qualifications Certificate .....	107	Creative Writing Minor .....	131
Small Business Management Certificate .....	108	English Literature Minor .....	131
Graduate Studies .....	108	Environmental Science Minor .....	131
Graduate Certificates .....	110	History Minor .....	131
Elementary Education K-8 Graduate Certificate ...	111	Information Systems Minor .....	132
Reading Specialist Graduate Certificate .....	112	Marine Transportation Minor .....	132
Secondary Education Graduate Certificate .....	112	Mathematical Sciences Minor .....	132
Special Education Graduate Certificate .....	113	Northwest Coast Art Minor .....	133
Master's Degrees .....	114	Outdoor and Adventure Studies Minor .....	133
Educational Leadership, M.Ed. ....	115	Pathways to Teaching Minor .....	134
Elementary Education, M.A.T. ....	116	Philosophy Minor .....	134
Public Administration, M.P.A. ....	117	Spanish Minor .....	134
Reading Specialist, M.Ed. ....	118	Tlingit Language Minor .....	135
Secondary and Middle Grades Education, M.A.T. .....	119	Course Descriptions .....	136
Special Education, M.A.T. ....	120	Accounting (ACCT) .....	136
Special Education, M.Ed. ....	121	Alaska Languages (AKL) .....	137
		Alaska Native Studies (ANS) .....	139
		Alaska Studies (ALST) .....	140
		Anthropology (ANTH) .....	140

Art (ART) .....	142	Outdoor Studies (ODS) .....	188
Automotive Technology (AUTO) .....	145	Philosophy (PHIL) .....	190
Aviation Technology (AT) .....	145	Physical Education (PE) .....	191
Biology (BIOL) .....	145	Physics (PHYS) .....	193
Business Administration (BA) .....	148	Political Science (PS) .....	193
Chemistry (CHEM) .....	150	Psychology (PSY) .....	195
Communication (COMM) .....	152	Public Administration (PADM) .....	196
Computer Info & Office Systems (CIOS) .....	153	Social Science (SSCI) .....	199
Computer Info Systems (CIS) .....	154	Sociology (SOC) .....	199
Construction Technology (CT) .....	155	Spanish (SPAN) .....	201
Diesel Technology (DESL) .....	157	Statistics (STAT) .....	201
ED: Educational Technology (EDET) .....	158	Theater (THR) .....	202
ED: Special Education (EDSE) .....	159	University (UNIV) .....	202
Early Childhood Education (ECE) .....	161	Welding Technology (WELD) .....	203
Economics (ECON) .....	161	Writing (WRTG) .....	203
Educ: Mathematics Education (EDMA) .....	162	Academic Information .....	205
Educ: Reading Specialist (EDRE) .....	163	UAS Course Definitions .....	205
Educ: Science Education (EDST) .....	164	Graduation .....	207
Education (ED) .....	164	Student Competencies .....	208
English (ENGL) .....	169	General Education Requirements (GER) .....	208
Environmental Science (ENVS) .....	171	Online Programs and e-Learning .....	212
Environmental Studies (ENVI) .....	173	Other Academic Opportunities .....	213
Fisheries Technology (FT) .....	174	Institutional Information .....	215
French (FREN) .....	175	Faculty .....	215
Geography (GEOG) .....	175	General Information and Accreditation .....	222
Geology (GEOL) .....	176	Information Directory .....	223
Health Information Management (HIM) .....	177	Mission, Vision, and Values .....	224
Health Science (HS) .....	178	Staff .....	224
History (HIST) .....	179	University of Alaska Board of Regents .....	230
Honors (HNRS) .....	180	UAS Alumni and Friends Association .....	230
Human Services (HUMS) .....	181	UAS Campus Advisory Councils .....	230
Humanities (HUM) .....	181	Campuses .....	231
Interdisciplinary Studies (INDS) .....	182	Student Rights and Responsibilities .....	233
Justice (JUST) .....	182	Drug Free Schools .....	233
Law Science (LAWS) .....	183	Notice of Nondiscrimination .....	235
Library Science (LS) .....	183	Resolution of Disputes .....	237
Marine Transportation (MTR) .....	184	Sexual and Gender-Based Discrimination/Title IX .....	240
Mathematics (MATH) .....	185	Statement of Inclusivity .....	241
Medical Assisting (MA) .....	187	Student Code of Conduct .....	241
Mining Tech (MINL) .....	187	Print Version of Previous Catalogs .....	243
Music (MUS) .....	187	Index .....	243
Oceanography (OCN) .....	187		

# WELCOME TO UAS

The University of Alaska Southeast (UAS) is a student-centered university that provides instruction in liberal arts, professional, and technical fields. On the homelands of the Tlingit, Haida, and Tsimshian peoples, we serve the coastal environments, cultures, economies, and communities of Alaska, through interdisciplinary education, workforce development, and scholarship, research, and creative activity. Our goal is helping you succeed in achieving your educational and career goals.

*Dáng k\_ats'áas eehl díi gudangáay 'láagang.*

I'm happy you have come/come in. [Haida]

*Haa yoo x##atángi haa latseeníx# gux#satée.*

Our language will become our strength. [Tlingit]

*#a gwelga la#k! La#mgism, la#mgism, #a gwelga la#k!*

The fire is burning, warm yourselves, warm yourselves, the fire is burning! [Tsimshian]

UAS acknowledges with respect the Tlingit, Haida, and Tsimshian peoples whose historical relationships with the land continue to this day. In this context, UAS is committed to the ongoing work of decolonizing our community both on our campuses and in the broader region.

## Getting Started

- Undergraduate Admission (p. 5)
- Graduate Admission (p. 9)
- Registration (p. 12)
- Financial Aid (p. 21)
- Fees and Expenses (p. 29)
- Academic Calendar 2021-2022 (p. 38)

## Certificate & Degree Programs

- Degrees by Colleges and Schools (p. 53)
- Associate's Degrees (p. 61)
- Bachelor's Degrees (p. 70)
- Certificates (p. 101)
- Graduate Studies (p. 108)
- Occupational Endorsements (p. 122)
- Undergraduate Minor Options (p. 129)

## Academic Information

- Course Descriptions (p. 136)
- Course Definitions (p. 205)
- General Education Requirements (p. 208)
- Graduation (p. 207)
- Online Programs and e-Learning (p. 212)

- Other Academic Opportunities (p. 213)
- Student Competencies (p. 208)

## Student Rights & Responsibilities

- Drug Free Schools (p. 233)
- Resolution of Disputes (p. 237)
- Student Code of Conduct (p. 241)

## Student Services

- Academic Advising (p. 40)
- Academic Services (p. 40)
- Career Services (p. 44)
- Counseling Services (p. 44)
- Disability Services (p. 45)
- Exchange and Study Abroad Opportunities (p. 45)
- Food Service (p. 45)
- Health Services (Juneau) (p. 46)
- Housing (p. 46)
- Native and Rural Student Center (Juneau) (p. 47)
- New Student Orientation (p. 47)
- Student Activities (p. 47)
- Student Resource Center (SRC) (p. 48)
- Veterans Services (p. 48)

## Institutional Information

- Faculty (p. 215)
- General Information and Accreditation (p. 222)
- Information Directory (p. 223)
- Mission and Core Themes (p. 224)
- Staff (p. 224)
- UA Board of Regents (p. 230)
- UAS Alumni and Friends Association (p. 230)
- UA Board of Regents (p. 230)
- UAS Campus Councils (p. 230)
- University of Alaska-Southeast Campuses (p. 231)

# GETTING STARTED: ADMISSION

The mission of the Admissions Office is to encourage prospective students of all ages and backgrounds to pursue an education at the University of Alaska Southeast and assist undergraduate and graduate students through the admission process.

## Contact Information and Online Resources

We encourage students to contact us or visit our websites for more information about UAS. **UAS Admissions Web Page**

### Juneau Campus

Tel: (907) 796-6100  
Toll Free: 1-877-465-4827  
Email: [uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu)

### Ketchikan Campus

Tel: (907) 228-4511  
Toll Free: 1-888-550-6177  
Email: [ketch.info@alaska.edu](mailto:ketch.info@alaska.edu) ([uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu))

### Sitka Campus

Tel: (907) 747-7700  
Toll Free: 1-800-478-6653  
Email: [sitka.info@alaska.edu](mailto:sitka.info@alaska.edu) ([uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu))

## Undergraduate Admission

### When to Apply

Certificate through Graduate programs admission application deadlines:

- Fall Semester - August 15
- Spring Semester - December 15
- Summer Semester - May 1

Occupational Endorsement programs admission application deadlines:

- Fall Semester - October 31
- Spring Semester - March 1
- Summer Semester - July 19

### How to Apply

1. **Choose a degree program and major**
2. **Apply online:** Apply to UAS! (<https://uas.alaska.edu/apply/steps/>)
3. **Pay non-refundable application fee:**

\$40 – Certificates, Associate degree program

\$50 – Bachelor degree program

Note: All balances from any University of Alaska campus must be paid in full to be admitted into a program.

#### 4. Submit Official Transcripts<sup>1</sup>:

Transcripts must be received in a sealed envelope or electronically from the issuing institution to be considered official. Transcripts received opened, faxed or photo copied are not official.

#### High School transcripts/General Education

**Development (GED) Certificate:** All certificate or degree seeking students with fewer than 30 semester credit hours must submit official high school or GED transcripts.

**Home School transcripts:** Home-schooled students who have gone through a state certified program must submit official transcripts. Students who have not gone through a state certified program must submit GED transcripts.

**College transcripts:** All certificate and degree seeking students who have an academic record from one or more post secondary institutions must arrange for their official college or university transcripts to be sent directly to UAS in a sealed envelope or electronically from the original institution(s). Transcripts from all colleges or universities must be submitted, failure to disclose all post secondary institutions where the student has an academic record will result in denied admission.

#### 5. Submit Test Results

- ACT/SAT scores, while not required for admissions, are required to be considered for the Alaska Performance Scholarship (APS), and may assist with General Education course placement.

<sup>1</sup> Students applying to all UAS campuses must send admission documents to the Juneau campus. Official transcripts are not required from other schools within the UA system.

### Returning Students

Degree seeking students who have enrolled in classes for at least one semester and have not attended another institution outside of the University of Alaska (UA) system may remain in their degree programs for up to two years without attending UAS. If the student attends another institution or is absent for more than two years, the student needs to reapply for admission, including paying the application fee.

Students are required to notify the Admissions Office if they have attended another institution outside of the University of Alaska (UA) system.

Active Duty military or reservist who seek re-admission into their program that was interrupted due to a military service obligation, will be granted admissions without paying another admissions fee.

### Fresh Start GPA Program

A former University of Alaska Southeast undergraduate who returns to UAS after a minimum of three years will have the opportunity to petition to begin a new cumulative GPA, also known as a Fresh Start GPA.

Petitions for a Fresh Start GPA must be completed as part of the admissions process. The Fresh Start is declared provisionally at the point of admission, but not awarded permanently until the student has started and completed 12 credits of academic study with a cumulative GPA of 2.50 (C+) or higher for those 12 credits.

When the Fresh Start GPA is permanently declared, all previous UAS grades and credits earned more than three years prior to the current admission date are excluded from consideration for UAS degree requirements. **It is not possible to select some grades and credits to exclude while retaining others.** Only UAS grades and credits will be excluded.

After the Fresh Start GPA is declared the transcript will state that the cumulative GPA shown is a Fresh Start GPA. The old grades will remain on the transcript, but are not used to calculate the cumulative GPA. Courses passed but excluded by the Fresh Start GPA may not be used to meet University graduation requirements. A student may be allowed to advanced standing or a waiver of requirements just as any non-Fresh Start student, but will not be allowed credit by examination for courses lost through the use of the Fresh Start GPA program.

Students who elect to use the Fresh Start GPA do not qualify for certificate or degree-based honors but would qualify for semester-based awards for grade point average.

A student may begin a Fresh Start GPA only once. Students wishing to petition for a Fresh Start GPA should contact the Registrar's Office to initiate the process.

## Undergraduate Admission Requirements

### Admission to Occupational Endorsements

To qualify for admission to an Occupational Endorsement (O.E.) a student **must** submit an online Occupational Endorsement application. Students completing an occupational endorsement must submit an application for graduation form. Completion of the application form helps ensure that the student has completed required courses and that the award is properly recorded on the student's transcript.

Some occupational endorsement programs have additional requirements, selective admission criteria or limited space, students should see an advisor for more information.

Students seeking occupational endorsements are not required to submit transcripts or test scores except as required for placement in certain courses or programs.

NOTE: Occupational Endorsements are not eligible to receive financial aid, however some scholarship support may be available.

### Admission to Certificates and Associate Degrees

To qualify for admission to a certificate or associate degree program<sup>1</sup>, applicants must satisfy at least one of the following:

1. Have graduated from an accredited high school or state certified home school program with a grade point average (GPA) of at least 2.00 (C), or
2. Have successfully completed the GED, or

3. Have completed at least 30 college semester credits with a grade point average (GPA) of at least 2.00 (C) and are at least 18 years old.

### Admission to Bachelor Degrees

To qualify for admission to a bachelor's degree program<sup>1</sup>, applicants must satisfy at least one of the following:

1. Graduate from an accredited high school with a cumulative GPA of at least 3.00 or
2. Completion of at least 30 college level semester credits with a GPA of at least 2.00 and a high school diploma or GED; or
3. Completion of at least 60 college-level semester credits with a GPA of at least 2.00

<sup>1</sup> Certain programs have additional requirements. Please see program listing for specific requirements.

Please note:

- Students who do not qualify for admission to a bachelor's degree program may be admitted to an associate's degree program.
- In order to be eligible for financial aid, students must supply proof of accredited high school and/or home school completion, or completion of the GED.
- UAS recommends that students complete the following high school core curriculum: four years of English, social studies, math, and science or four years of English and social studies, three years of math and science, and two years of Alaska Native or other languages.

## Undergraduate Admission Status

### Admit Clear

Applicants who submit all required paperwork for admissions and meet admissions requirements will be admitted in good standing.

### Admit on Probation

Applicants who may not meet the minimum GPA requirements for regular admission to undergraduate study but show the potential for college work may be considered for probationary admission. Students admitted on probation must meet with an academic advisor prior to registering for classes and achieve a cumulative GPA at or above a 2.00 (C) at the end of the first semester in order to remain in a degree program (including withdrawals). Students admitted on probation who do not meet the 2.00 GPA requirement at the end of the first semester will be removed from their academic program.

### Denied Admission

Students who do not meet the admission requirements or have been academically disqualified at another UA campus may be denied admission for that semester. Denied students are encouraged to complete 12.0 credits with a cumulative GPA at or above a 2.00 (C), after which they can reapply for admission and may then be admitted on probation.

Students may petition a Denied Admission status by completing a Petition form and submitting to the Registrar's Office which will be reviewed by the UAS Petition Committee.

## Request to Postpone

Students who submit an application for admission, but do not enroll in classes for that term, may postpone their admissions for up to one year. A request to postpone must be made before the last day of final exams in the semester that their initial application was submitted. All students who wish to postpone may use one of the following processes.

1. Submit a completed and signed Postpone/Cancel form (<http://www.uas.alaska.edu/forms/documents/postpone-cancel.pdf>) in person or by email, mail, or fax to the UAS Admissions Office.
2. Send an email to the Admissions Office at [uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu) that includes full name, Student ID number or date of birth, and the new semester they wish to attend.
3. Make a verbal request in person or by telephone to a student services or advising employee of UAS (who will verify their identity using approved FERPA guidelines). Students are required to verify the change has been made in their application portal.
4. Reply directly to an email sent from UAS.

UAS employees assisting a student in postponing by phone must email the Admissions Office, including this information: Student Name, UA ID Number, date of phone call, and the new semester the student is planning to attend.

Student's applications will be withdrawn if they do not attend UAS courses or postpone their admissions by the last day of final exams. If they wish to be admitted for a future term at UAS, they will need to reapply, and pay the application fee.

## Transfer Students

### Admission Requirements

A transfer applicant who has attended an accredited institution is eligible for admission provided the applicant has earned a 2.00 (C) cumulative grade point average (GPA) in previous college work.

### Transfer Credit Policies

UAS reserves the right to reject work of doubtful quality, to require an examination before credit is allowed, or to determine applicability to GERs and program requirements.

Transfer credit equivalents vary among semester, unit and quarter universities. UAS converts quarter credits to semester credits automatically. The standard formula for quarter hour conversion is: # quarter hours x 0.667 = # semester hours. Example: 5 quarter hours x 0.667 = 3.34 semester hours.

Courses equated to UAS courses that are short 1.00 credits or less will meet UAS course requirements without requiring a petition (3.34 will meet 4.00 requirement); remaining credit can be made up in electives. If more than 1.00 credit short for a course requirement, students may need to take additional credits to make up the difference.

UAS also awards credit with appropriate scores from the following:

- Advanced Placement (AP) Credit through College Entrance Examination Board (CEEB)
- International Baccalaureate (IB)
- Placement only for ACT or SAT I (English only)
- College-Level Examination Program (CLEP)
- DANTES Subject Standardized Tests
- UAS Credit by Examination

The following regulations apply to the transfer of credits:

1. UAS will perform an official evaluation of transfer credits only after a student has been admitted to an undergraduate degree or certificate program.
2. UAS will transfer only college level credit from one of the following regionally accredited institutions:
  - a. Middle States Association of Colleges and Schools
  - b. Higher Learning Commission
  - c. New England Association of Colleges and Schools
  - d. Northwest Association of Schools and Colleges
  - e. Southern Association of Colleges and Schools
  - f. Western Association of Schools and Colleges
3. Beginning Fall 2013 college level (100 level or above) credits earned with grades of 1.70 (C-) or higher at other regionally accredited institutions normally will be accepted for transfer. Grades of D- or higher will be transferred from other University of Alaska campuses.
4. Transfer students having earned a bachelor's degree from a regionally accredited institution will be considered to have completed the equivalent of the UAS general education requirements (GERs) when officially accepted to any bachelors, associate of arts, or associate of science degree program at UAS. Some majors require specific GERs within their degree which must be completed. (Beginning Fall 2018 - Not retroactive. Students admitted prior to Fall 2018, and want to take advantage of this policy, will need to submit a Change of Major form to request to change their catalog year. Students will be responsible for all degree requirements under the new catalog year.)
  - a. Transfer students having earned an associate of arts, or associate of science degree from a regionally accredited institution will be considered to have completed the equivalent of the UAS general education requirements (GERs). (Beginning Fall 2018 - Not retroactive. Students admitted prior to Fall 2018, and want to take advantage of this policy, will need to submit a Change of Major form to request to change their catalog year. Students will be responsible for all degree requirements under the new catalog year.)
  - b. Any transfer student who has not earned a bachelor's degree but has completed the general education requirements at any regionally accredited four-year institution will be considered to have completed the UAS general education requirements. Some majors require specific GERs within their degree which must be completed. *The student is responsible for providing an official statement and documentation certifying the completion of general education requirements at the*

*previous institution.* (Beginning Fall 2018 - Not retroactive. Students admitted prior to Fall 2018, and want to take advantage of this policy, will need to submit a Change of Major form to request to change their catalog year. Students will be responsible for all degree requirements under the new catalog year.)

5. A minimum of 34 semester credit hours are required for the GERs in both the AA and the Bachelor's degrees. Students transferring degree programs from the University of Alaska Anchorage or the University of Alaska Fairbanks should consult the University of Alaska General Education Transfer Guide for comparison of courses that will fulfill the GERs at UAS
6. Transfer courses retain the course level of upper or lower division credit established at the original college or university. Graduate-level coursework can only apply to undergraduate degree programs under special circumstances with prior approval.
7. College credit is not awarded for completion of the General Education Development (GED) tests.
8. Transfer credits are not included in a student's UAS GPA computation, except to determine eligibility for graduation with honors. All grades from all schools attended will be used when determining eligibility for graduation with institutional honors.
9. Life/work experience is not accepted for evaluation as academic credit; however, the student has the option of credit by exam (p. 12).
10. Credits may be awarded for Military Experience (MOS) according to the American Council on Education (ACE) recommendations. Please contact the Registrar's Office for specific details regarding official transcripts/documents required. Copies of military personnel records can be requested from:

National Personnel Records Center  
9700 Page Blvd  
St. Louis, MO 63132

11. Students who have attended foreign institutions must provide an official statement of educational equivalency (official transcript evaluation in English). See International Admission Requirements for more information.

### Transfer within Southeast Campuses

Students admitted to one of the UAS campuses (Juneau, Ketchikan or Sitka) may transfer to another UAS campus to attain their degree without reapplying for admission. However, admissions requirements for the new program must be met in full. **Formal notification of the transfer must be submitted to the Admissions Office by completing a Change of Major form.**

### Transfer within the UA System

In order to serve students who transfer between UAS, UAA and UAF, the three main UA institutions have identified common transferable general education requirements for their baccalaureate degrees. These include:

Category	Credit Hours
Written Communication Skills	6
Oral Communication Skills	3
Fine Arts/Humanities/Social Science	15
Quantitative Skills/Natural Sciences	10
<b>Minimum</b>	<b>34</b>

Credit for coursework successfully completed at one University of Alaska (UA) institution toward fulfillment of the general education requirements at that institution shall transfer toward fulfillment of the same categories at all other UA institutions. This applies even if there is no directly matching coursework at the institution to which the student transfers. Courses taken at other UA campuses (other than Ketchikan and Sitka) do not count toward residency credit for a UAS degree.

NOTE: Students who are admitted to UAS may enroll in courses at any of the other UA campuses without applying for admission to the other campuses.

For more information on transfer credit policies, please contact the Registrar's office at (907)796-6100.

## Dual Enrollment and Students Under 18

UAS welcomes students under the age of 18 who are ready for college-level work to enroll in many of the classes that we offer under the policies described below. However, students who are under the age of 18 and have not graduated from high school or obtained a GED are ineligible for admission to a degree program and cannot receive financial aid.

### Dual enrollment students

A dual enrollment student is one who is simultaneously enrolled in a high school curriculum and also is taking courses at UAS. The courses that the student takes at UAS will be used to fulfill high school graduation requirements. The purpose of dual enrollment is to provide high school students with access to coursework that is not available in Alaska high schools. Examples include academic courses that are more advanced than those offered in high schools and various vocational and technical programs that high schools are not equipped to teach.

### Other under 18 students

These may be students who are enrolled in high school and are taking UAS classes, but do not intend to use the UAS classes for academic credit at their high school.

These may be students who have withdrawn from high school prior to graduation and have not completed a GED and are taking classes at UAS as non-degree seeking students.

Enrollment policies for students under 18 and dual enrollment students:

- Students must meet the same course pre-requisites that are required of other students.
- Students are required to abide by the Student Code of Conduct at all times.

Registration process for University courses:

1. Meet with an advisor from the Student Resource Center in Juneau, the Student Services Manager in Ketchikan, or Student Success Center Advisor in Sitka to discuss the goals, risks, and rewards of enrollment in college courses.
2. Take Accuplacer assessment for initial placement into English courses, and the ALEKS assessment for initial placement into Math courses. Scores from SAT or ACT tests taken within the past year may be substituted for English courses only.
3. Submit required forms to Registrar's Office and pay tuition and fees or provide proof of other funding source. Note: Students (and their parents) are responsible for the cost of tuition, fees, books, and other required materials.

The student under 18 applicant and his/her parent or guardian understands and accepts that:

1. University work is generally much more rigorous and often much less guided than secondary course work.
2. These courses will establish a university transcript that will follow the student throughout his/her college career regardless of where the student subsequently enrolls.
3. Adult themes are endemic to university materials and discourse.
4. Students under 18 who register as a university student is fully responsible for knowing and complying with all policies and procedures of UAS.
5. UAS will not act in a parental role.

## The College Connection Scholarship

The Juneau School District (JSD) sponsors the College Connection Scholarship for dual enrolled students. Students must meet all dual enrollment eligibility requirements. Funds are available on a first come-first serve basis. For more information contact one of the high school's counseling office.

NOTE: Dual enrollment courses are not eligible for Federal financial aid.

## Graduate Admission

### When to Apply

Admission application deadlines:

- Fall Semester - August 15
- Spring Semester - December 15
- Summer Semester - May 1

Certain graduate programs have different application deadlines, see program listings for specific dates.

### How to Apply

1. **Choose a program**
2. **Apply online:** Apply to UAS! ([https://university-alaska.force.com/formbuilderalaska/ERx\\_Forms\\_\\_Portal\\_Login/](https://university-alaska.force.com/formbuilderalaska/ERx_Forms__Portal_Login/)).
3. **Pay non-refundable application fee:**

\$60 Master's degree

\$60 Graduate certificates

Note: All balances from any University of Alaska campus must be paid in full to be admitted into a program.

#### 4. Submit Official Transcripts

**College transcripts:** Students must arrange for their official transcripts from an accredited college or university indicating a baccalaureate degree and a GPA of 3.00 to be sent directly to UAS in a sealed envelope from the original institution(s).

## Graduate Admission Requirements

Each graduate program may have additional requirements, selective admission criteria or limited space, students should see program listings and meet with an advisor for more information.

## Graduate Admission Status

### Admit in Good Standing

Applicants who submit all required paperwork for admissions and meet admissions requirements will be admitted in good standing.

### Admit with Department Provisions

Applicants who are unable to meet all of the requirements for admission prior to registration may be admitted with department provisions for one year only. Should the student not complete the admission process within one year the application for admission will be inactivated and the student must reapply and pay the application fee. Students admitted with this status may not qualify for Graduate level Financial Aid assistance. Please contact the Financial Aid office for more information.

### Request to Postpone

Students who submit an application and do not complete the admission process during that semester may postpone his or her application once for up to one year. All students must contact the Admissions Office before the first day of final exams of the semester their application was submitted.

### Active/Inactive Admission Status

Students admitted to a graduate degree program will remain in active status for seven years from the date of their acceptance into the program regardless of the number of courses taken during any prior period of the seven-year interval. Students who are declared inactive and who wish to reapply must meet all requirements for readmission, including payment of the application fee.

## International Admission

When to Apply

International students may apply for admission to certificate, associate, bachelor, and graduate-level degrees. Applications for admission for international students are due no later than April 1 for the fall semester and September 1 for the spring semester.

### How to Apply

1. **Choose a degree program and major**

NOTE: F-1 students are not eligible for occupational endorsement or e-Learning programs.

TOEFL – 80 internet based, or  
IELTS – 6.5 out of 8

2. **Apply online:** Apply to UAS! ([https://university-alaska.force.com/formbuilderalaska/ERx\\_Forms\\_Portal\\_Login/](https://university-alaska.force.com/formbuilderalaska/ERx_Forms_Portal_Login/))

3. **Pay non-refundable application fee:**

\$40 – Certificate or Associate's degree  
\$50 – Bachelor's degree  
\$60 – Master's degree

4. **Submit Official Transcripts:**

**High School transcripts:** All certificate or degree-seeking students with fewer than 30 semester credit hours must submit official high school transcripts.

**College transcripts:** All certificate and degree-seeking students who have an academic record from one or more post-secondary institutions must arrange for their official college or university transcripts to be sent directly to UAS in a sealed envelope from the original institution(s). Transcripts from all colleges or universities must be submitted, failure to disclose all post-secondary institutions where the student has an academic record will result in denied admission.

Students who have attended foreign institutions will need to provide an official statement of educational equivalency in English. Below is information for credential evaluation services. It is the responsibility of the student to arrange and pay for the evaluation.

(by mail)

Educational Credential Evaluators (ECE) PO Box 514070  
Milwaukee, WI 53203-3470 Tel: (414) 289-3400

(by Courier like UPS, DHL, FedEx)

Educational Credential Evaluators (ECE)

101 W. Pleasant St.  
Suite 200  
Milwaukee, WI 53212-3963

(by mail)

World Education Services (WES) Attention: Documentation Center PO Box 5087 Bowling Green Station New York, NY 10274-0587 Tel: 1(800) 361-3106 Fax: (212) 739-6100 (by Courier like UPS, DHL, FedEx) World Education Services (WES) Attention: Documentation Center 64 Beaver St., #146 New York, NY 10004

5. **Submit Test Results for English Proficiency**

All international students for whom English is not their first language must submit official scores for one of the following:

TOEFL – 550 paper test, or  
TOEFL – 213 computer test, or

NOTE: International students who are already inside the U.S. and are applying for admission into a degree program will also have to meet specific requirements for English proficiency. TOEFL, IELTS, UAS Placement Tests, high school or college grades, or a combination of these may be considered.

6. **Complete and submit the International Student Education Experience.**

7. **Complete and submit the International Student Financial Statement.**

All international students must provide a detailed statement of documented sources of sufficient funds to:

- Pay all expenses while attending UAS; and
- The ability to pay for a return trip home in the event of an emergency.

8. **Proof of Required Health Insurance**

All international students must have health insurance or they will be automatically enrolled in the university student insurance plan through LowerMark Student Insurance. The premium will be added to their university billing. If International students have their own health insurance, they must submit a waiver of the University insurance and proof of adequate personal health insurance.

## International Admission Requirements

### Admission to Certificate and Associate Degrees

To qualify for admission to a certificate or associate degree program<sup>1</sup>, applicants must satisfy at least one of the following:

1. Have graduated from an accredited high school or state certified home school program with a grade point average (GPA) of at least 2.00 (C), or
2. Have completed at least 30 college semester credits with a grade point average (GPA) of at least 2.00 (C) and at least 18 years old.

<sup>1</sup> Certain programs have additional requirements, see program specific requirements.

### Admission to Bachelor Degrees

To qualify for admission to a bachelor's degree program<sup>1</sup>, applicants must satisfy at least one of the following:

1. Graduation from high school with a GPA of at least 3.00 and completion of UAS Placement Test; or
2. Graduation from high school with a GPA of at least a 2.50 and completion of UAS Placement Test; or
3. Successful completion of the GED, and completion of UAS Placement Tests; or
4. Completion of at least 30 college level semester credits with a GPA of at least 2.00 and a high school diploma; or
5. Completion of at least 60 college-level semester credits with a GPA of at least 2.00

<sup>1</sup> Certain programs have additional requirements, see program specific requirements.

## Admission to Master's Degrees

To qualify for admission to a master's degree program<sup>1</sup>, applicants must have graduated with a baccalaureate degree from a college or university with a grade point average (GPA) of at least 3.00 (B).

<sup>1</sup> Certain programs have additional requirements, see program specific requirements.

## International Admission Status

International student applications are evaluated on an individual basis. Admission or denial will be based on the total evidence indicating the student's potential for success in an academic program at UAS and financial capability.

### Admit Clear

Applicants who submit all required paperwork for admissions and meet admissions requirements will be admitted in good standing.

### Denied Admission

Students who do not meet the admission requirements will be denied admission for that semester. Students may petition a Denied Admission status by submitting a Petition form to the Registrar's Office which will be reviewed by the UAS Petition Committee.

## Estimated Expenses for International Students

September through May

	Undergraduate	Graduate
Living Expenses	\$16,700	\$16,700
Tuition	\$20,352	\$19,422
Fees	\$ 2,070	\$ 1,838
Books & Supplies	\$1,400	\$780
Health Insurance	\$1,500	\$1,500
TOTAL	\$41,158	\$40,240

Estimated expenses are subject to change. The costs listed above are approximate costs for one academic year (9 months), add approximately \$4,500 for summer living expenses. If you are bringing family members with you, you must have approximately \$10,000 in additional support per dependent to cover the increased cost of room, board and insurance. Transportation costs are not included. Fees are university-wide fees and do not include department or course specific fees.

## Health Coverage

All international students are required to carry health insurance while attending UAS. The minimum coverage must include:

- \$50,000 Medical benefits per accident or illness
- Deductible of \$500 or less
- Repatriation coverage of at least \$25,000
- Medical evacuation coverage of at least \$50,000
- Must be with a reputable health insurance provider

Insurance proof must be on file for each semester in attendance. If coverage information is not provided for the current semester, a registration hold will be placed on the student's account.

If a student does not choose to participate in the university's coverage option, the student must submit insurance that complies with the outlined coverage. The coverage documentation must be in English. If the university finds the insurance not reputable or adequate, the university will request additional insurance and place a hold on the student account until provided. Insurance coverage information is due within the first two weeks after classes begin, each semester.

## International Peace Scholarship

International students (F-1 visa) interested in studying for an academic year or for a full term of undergraduate studies may apply for this needs-based scholarship. For more information, contact the UAS Financial Aid office.

## Sister Cities Agreement

Residents of Juneau's official Sister Cities International are offered the UAS resident tuition rate. Sister cities include Whitehorse, Canada; Kalibo, Philippines; and Vladivostok, Russia. For a complete list of Sister Cities, visit page 10 of the BOR Tuition and Student Fees policy (<https://alaska.edu/bor/policy/05.10-Tuition%20and%20Student%20Fees.pdf>).

## After Acceptance

The UAS Designated School Official (DSO) will send the international student I-20-A-B forms (required for entrance into the U.S.) after the student has been formally admitted.

NOTE: The I-20-A-B form is necessary to obtain an F-1 Student Visa. Students must take the UAS issued I-20-A-B form to their home country's embassy or consulate. The home country's embassy or consulate will then issue the student an F-1 Visa.

The University must certify to the Immigration and Naturalization Service that the prospective student has been accepted for full-time enrollment and has sufficient funds to meet estimated expenses for the full period of study.

## Before Arriving

International students are required to complete UAS placement tests for mathematics and English. Tests are offered remotely and will assess skills and proficiency as well as serve as a prerequisite for numerous general education requirements.

International students are strongly encouraged to contact the International Student Advisor several months prior to arrival to ensure a smooth transition, gain an understanding of UAS policy and procedures, and register for classes. Once English and math placement tests are completed and scores available, international students may begin the course registration process with the International Student Advisor.

## As a Student

International degree-seeking students must maintain lawful F-1 visa status by successfully completing a full-time course of study each semester (unless otherwise authorized), obtain adequate

insurance coverage, and follow the federal guidelines regarding on- and off-campus employment, travel, and more. A violation of status may result in termination of the international student's SEVIS record.

## Registration

The University of Alaska Southeast is an open enrollment institution. In addition to providing courses for degree-seeking students, UAS offers a variety of special interest courses for personal enrichment.

## UAS Communication Via E-mail

### Student E-mail Account

UA uses e-mail to communicate with students on many important matters including all official communication regarding student account statements, Financial Aid, and direct deposit notices. The university automatically assigns each student an official UA e-mail account after the student registers for class. You are responsible for knowing and, when appropriate, acting on the contents of all university communications sent to your official UA e-mail account. If you want to receive university communication at a different e-mail address, you will need to provide your preferred email destination using ELMO (<http://elmo.uas.alaska.edu> (<http://elmo.uas.alaska.edu/>)).

## Use of Social Security Numbers

To protect your privacy, the University of Alaska assigns you a student ID (SID) number that is different from your social security number (SSN). Your SID, rather than your SSN, will be used to identify your educational records.

However, UA is required to obtain your SSN for federal financial aid and tax reporting purposes. Privacy Act Notice, Section 6109 of the Internal Revenue Code requires you to give your correct SSN to persons who must file information returns with the IRS to report certain information. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. For more information please refer to IRS code 6050S.

Your SSN is required to submit an admissions application through the secured website. (This will assist us in avoiding duplication of student records.)

## Transcripts (UAS)

The University of Alaska now offers multiple options when ordering official transcripts through [UAOnline.alaska.edu](https://uaonline.alaska.edu) (<https://uaonline.alaska.edu/>):

1. Order online: electronic copies sent through secure email as a watermarked PDF file (\$12 per copy)
2. Order online: paper copy sent within 1-2 business days (\$15 per copy)
3. Order in person<sup>1</sup>: paper copy sent within 5-7 business days (\$15 per copy)
4. Order in person<sup>1</sup> **expedited**: paper copy sent within 1 business day (\$30 per copy)

<sup>1</sup> Transcripts ordered in person via the UAS form sends the UAS coursework transcript **only**.

## Students may obtain unofficial copies of transcripts at UAOnline. (<https://uaonline.alaska.edu>)

1. Login to UAOnline at [uaonline.alaska.edu](https://uaonline.alaska.edu) (<https://uaonline.alaska.edu/>)
2. Click on Student Services & Account Information
3. Click on Student Records
4. Click on Academic Transcript
5. Select a Transcript Level (undergraduate, graduate, all levels, etc.)
6. Select Transcript Type (WEB Unofficial, etc.) and click Submit (repeat for multiple levels)

Note: if you have multiple levels you will need to repeat Step 6 for each level.

## Degree Works

Degree Works is an online degree audit tool students use to monitor their progress and stay on track towards completion of a UAS degree. Degree Works shows how current courses apply to graduation requirements, which courses are still needed to complete a degree, and to determine how changing a major will affect graduation.

Degree Works is accessible through any Internet web browser. Just follow these steps:

1. Login into UAOnline at [uaonline.alaska.edu](https://uaonline.alaska.edu) (<https://uaonline.alaska.edu/>)
2. Click on Student Services & Account Information
3. Click Degree Works / Electronic Degree Audit
4. Click UAS Degree Works

'Audit' tab presents a summary of student information, total credits, GPA (overall and major) followed by a check sheet for the degree requirements. The 'Fallthrough' section contains the courses not currently applying to the degree. The 'Insufficient' section lists incomplete, withdrawn, failed or courses below college level. 'In-progress' section summarizes the student's UAS registered courses. UAA or UAF courses do not display in the audit until the coursework is graded and transferred to UAS.

Consult with your advisor regarding elective classes or substitutions.

'What If' tab generates a degree audit based upon a new major or degree path. This can be used to explore different degree paths at UAS.

1. Click on the 'What If' tab
2. Select a level, degree, academic year (most current) and major. (Minor & concentration are optional)
3. Click on the "Process What-If" button to generate.

'Plans' tab provides a place for you and your Advisor to plan out future semester schedules. Plans can only be saved by your academic advisor.

Students should work closely with their academic advisor regarding necessary graduation requirements. Official degree

audits are only generated through the Application for Graduation process.

Contact the Registrar's office at (907) 796-6100 for further information or questions.

## Preparing to Register

**Placement Testing:** Most writing and mathematics classes have specific prerequisites. Newly admitted students and those who have not previously met those requirements will need to take placement tests. Placement testing is available through the Learning Center and can be administered to e-Learning students. Placement tests may also be required for certain computer classes. Non-degree-seeking students wishing to take mathematics and writing classes must also meet prerequisites, which require completion of the UAS placement tests. Test results are shared with the advisors in Student Resource Center or Advising Center after the tests are completed. Math test scores are valid for one year only.

**Priority Registration:** UAS Degree-seeking students and those with pending admissions will be given two weeks of priority registration prior to opening registration for all student populations.

**Academic Advising:** In order to determine placement, course options, and applicability of courses to degree programs, all students are encouraged to meet with their academic advisor. All new first-year and transfer students (under 30 transfer credits) have a registration hold placed on their account, requiring them to meet with an advisor prior to registering for classes. Academic advisors are assigned at the point of admissions. Non-degree seeking students are encouraged to meet with general academic advisors in the Student Resource Center.

**Undecided Major:** Bachelor degree-seeking students applying to the Juneau campus who are unsure of which bachelor's degree program they would like to pursue should choose the Bachelor Intended option at the point of admission. The Student Resource Center advisors will help to transition Undecided students into a formal degree program prior to graduation.

**Advisor Signatures:** All new first year and transfer (under 30 transfer credits) degree-seeking students are required to work with an advisor prior to registering for classes. Students can meet with an academic advisor in person or work with them at a distance. Students not in good academic standing must obtain an advisor's signature prior to registering for classes. Non-degree seeking students may register for courses without seeing an academic advisor.

**General Registration Information:** Registration and payment or payment arrangement of tuition and fees are required to attend class and earn credit. Degree-seeking students are encouraged to register early, once registration opens for each semester. Registration for special programs, short courses, seminars and other classes that are not part of the semester academic offerings will be announced prior to the beginning of the start dates.

## Course Prerequisites

Prerequisites indicate the preparation students must have to enter a course. Students will be blocked from registering for courses when they have not met the prerequisites. Students should have achieved upper division standing to take courses at the 300 and 400 level. Prerequisites may be waived with an instructor's approval signature.

## Registration Options

### Credit/No Credit

The credit/no-credit option is for undergraduates only, and encourages degree-seeking students to explore areas of interest not related to their academic major. One elective may be taken under this option each semester. **Major or minor requirements as well as general education courses are not allowed under this option.** The instructor will not be informed if the student has chosen this option. The student will be given credit toward graduation if the student performs at a level of C (2.00) or above. If performance falls below that level, the course will not be recorded on the student's transcript. In either case, the course will not be included in any grade point calculation. A passing grade will appear as CR on the transcript. If the student changes majors and the course subsequently becomes a requirement, the course will be accepted in the new major.

The student may change from credit/no-credit to regular status or from regular to credit/no-credit status during the first two weeks of any regular semester course or for a prorated length of time for short courses or summer session.

### Auditing

A student who meets the course prerequisites and wishes to "sit in on a class" but not be graded or receive credit may do so by registering as an audit student. Auditors must register during the designated registration dates and pay tuition and fees. Auditors are not graded by instructors, do not receive credit, and are not required to take exams; nor are instructors required to grade auditors' papers or exams. An "AU" is designated on the student's academic transcripts. Audited courses do not apply toward degree requirements, nor will they transfer to other institutions.

A student may change registration status from "audit" to "credit" or from "credit" to "audit" up through the second week of classes for full-term classes or for a prorated length of time in the summer session or short course. Credit by examination for an audited course can only take place after one year has passed.

## STAY ON TRACK to Graduate on Time

Stay on TRACK ([alaska.edu/stayontrack](https://alaska.edu/stayontrack/) (<https://alaska.edu/stayontrack/>)) encourages students to make conscious choices about their education. Taking deliberate actions will help you graduate in a more timely manner, saving you money. The "real" full time enrollment is 15 credits a semester. Students planning to graduate with an associate degree in two years or a bachelor's degree in four years need to enroll in at least 30 credits a year, which can include summer school. Alaska

Performance Scholarship requires that recipients complete at least 30 credits each year after freshman year.

## Study Load, Fall and Spring Semesters

Typical undergraduate students register for 15 credits each semester. Students registering for 19 or more semester credit hours need approval from the student's academic advisor or campus director and Registrar. The typical course load for graduate students is 9 graduate semester credit hours.

## Study Load, Summer Session

During summer sessions, students may not exceed a total of 12 credits for any combination of summer sessions without prior approval of the student's advisor and campus director or Registrar.

## Registration Actions

### Adding a Class

Courses may be added based on the published dates for that semester. Instructor/advisor signatures may be required. If a class is filled, students may add their name to a wait list. This does not assure a space in class; students should make an alternative selection.

### Dropping a Class

Students may drop full semester classes prior to and during the first two weeks of the semester. Classes less than a full semester in length have prorated drop dates, available online or at the Registrar's Office. Refer to [uas.alaska.edu/schedule](https://uas.alaska.edu/schedule) (<https://uas.alaska.edu/schedule/>). Dropped courses do not appear on academic transcripts.

### Withdrawing From a Course

The withdrawal period starts after the second week of class for full semester courses (prorated for courses less than a semester in length). A grade of "W" will appear on the student's academic transcripts. This grade will not affect the Grade Point Average (GPA). No withdrawals from full semester courses are permitted after the 10th week of each semester.

Refer to the academic calendar located in the catalog or online, for specific dates. Degree-seeking students are highly encouraged to speak with their academic advisor before withdrawing from any class, as it may affect financial aid eligibility as well as the length of time it may take to complete the degree. International students may not drop below full-time without speaking with the international student coordinator.

### Faculty Initiated Drops/Withdrawals

A faculty member may initiate a drop/withdrawal for students or auditors who fail to meet specified course attendance requirements; however, the faculty member is under no obligation to do so.

At the beginning of the semester, faculty may initiate a drop for students who fail to attend class during the first two weeks of the semester. Faculty-initiated drops/withdrawals may also be initiated for students or auditors who enroll in courses without the required prerequisites.

Faculty must follow the same drop/withdrawal deadlines specified for students in either full semester courses or courses of less than a full semester in length.

## Credit by Examination

UAS offers and accepts a number of credit-by-exam options. These exams are accepted or offered based upon academic policy and accreditation standards. A maximum of 30 semester credit hours taken through standardized exams will be accepted by UAS toward a bachelor's degree, 15 semester credit hours will be accepted toward an associate's degree, and 9 semester credit hours will be accepted toward an undergraduate certificate and 3 credits toward Occupational Endorsement Certificates.

## ACT and SAT Placement Scores

### Placement for ACT (English + Reading) and SAT

**(Evidence-Based Reading and Writing):** Students may place into Writing classes by submitting ACT or SAT test scores. If students place into WRTG S211 or WRTG S212, WRTG S111 will be waived. Test scores will be evaluated upon admission to UAS. Student's test results must reflect the following:

Course	ACT	SAT
WRTG S211 or WRTG S212	60-72	710-800
WRTG S111	36-59	480-700
WRTG S110	30-35	430-470
WRTG S090	26-29	390-420

## Placement for current National GED Test: Reasoning Through Language Arts

Students may place into Writing classes by submitting GED scores. Test scores will be evaluated upon admission to UAS.

Course	GED: Reasoning Through Language Arts
WRTG S110	145-164
WRTG S111	165 or higher
1 credit of 100 level English	175 or higher credit

Students may also place into WRTG S090 by taking TABE 11 & 12.

## DANTES Subject Standardized Tests

Credit for non-traditional education can be earned through the DANTES Subject Standardized Tests program (DSST). Credits will be awarded only if students are admitted to degree and certificate programs and have taken courses at UAS. American Council on Education (ACE) recommendations for minimum test scores will be accepted. Exams may be repeated after an interval of one year. Auditing a course does not preclude obtaining credit for the course by taking the DSST subject standardized test. Credit will not be given for any course for which credit has previously been earned.

## Maritime Non-Traditional Credit

UAS students admitted to a degree program may be awarded credit by examination by completing a US Coast Guard approved final exam for the course in which credit is being sought.

Mariners may also receive nontraditional credit by submitting a copy of their Merchant Mariner Credential or Training Certificate from a USCG/STCW approved training program. Credits will be graded pass/fail and will not be calculated in the students GPA.

## Challenging a Course Through UAS

Students admitted to a degree program and currently enrolled at UAS are eligible to challenge a course by examination. The first step is to check with the instructor of the course that an individual would like to challenge, or with the chair of the department under which the course is offered. Final approval to challenge a course comes from the appropriate Academic Dean or Campus Director. Students may not challenge a UAS course that is a prerequisite to another UAS course in which they are currently enrolled or have completed, unless they have both instructor and Chair, Dean or Campus Director permission. A course challenged for credit must not duplicate a course for which credit has already been given. If a student has audited or previously enrolled in a class, he or she may not request credit via departmental examination for the class until the subsequent academic year. Departmental exams will be graded pass/fail and do not carry grade points. Exams may not be repeated earlier than one year from the previous test date. Cost is \$50 per semester credit.

## International Baccalaureate Diploma

The International Baccalaureate Diploma Program is a two-year curriculum for student aged 16-19 and is similar to the final year of secondary school in Europe. UAS awards credit for IB higher-level exams on which students have earned a score of 4 or better. Students should submit an official record of their IB certificate(s) or diploma for review by UAS.

## Credit for Prior Learning (CPL)

Credit for prior learning is the evaluation of experienced based learning for college credit by a UAS faculty member. Experiences relevant to CPL include theoretical and current learning that relates or is equivalent to learning outcomes of a specific UAS course. Students must be in an undergraduate degree program at UAS, with a minimum cumulative gpa of 2.00 when applying for CPL. Students must pay an application fee with the application form. If approved an additional per credit hour cost will be assessed. For additional information contact your academic department.

## Advanced Placement Credit through College Entrance Examination Board (CEEB)

The University of Alaska Southeast grants transfer credit of a grade of 3 or higher, or 4 or higher (effective Fall 2021) for French Language, Spanish Language, and Spanish Literature. Students would normally complete this test during their senior year in high school. An individual wanting CEEB advanced placement credit must request an official report of scores

obtained on the exam to be sent to the Office of Admissions. Upon admission, appropriate credit will be awarded. Individuals may receive credit for more than one examination.

### CEEB Advanced Placement Exams

Exams Accepted	UAS Course	Credits	Min. Score
Art: History	ART S261 & ART S262	6	3
Art: Drawing	ART S105	3	3
Biology	BIOL S115 & BIOL S116	8	3
Chemistry	CHEM S105/ CHEM S105L & CHEM S106/ CHEM S106L	8	3
Classics: Latin Lyric	LANG S1 Elective	3	3
Classics: Virgil (Level 3)	LANG S1 Elective	3	3
Comparative Government & Politics	PS S202	3	3
Computer Science A	CIS S1 Elective	3	3
Economics-Macro	ECON S201	3	3
Economics-Micro	ECON S202	3	3
English Language & Composition	WRTG S111	3	3
English Literature & Composition	ENGL S1GER	3	3
Environmental Science	ENVS S102	4	3
European History	HIST S1 Elective	3	3
French Language	FREN S101 & FREN S102	8	4
German Language	LANG S1GER	8	3
German Literature	LANG S1 Elective	3	3
Human Geography	GEOG S101	3	3
Math: Calculus AB	MATH S251	4	3
Math: Calculus BC	MATH S251 & MATH S252	8	3
Music: Listening & Literature	MUS S123	3	3
Music Theory	MUS S1 Elective	3	3
Physics 1	PHYS S123	4	3

Physics 2	PHYS S124	4	3
Physics B	PHYS S123 & PHYS S124	8	3
Physics C: Mechanics	PHYS S211	4	3
Physics C: Electricity & Magnetism	PHYS S212	4	3
Psychology	PSY S111	3	3
Spanish Language	SPAN S101 & SPAN S102	8	4
Spanish Literature	SPAN S201 & SPAN S202	6	4
Statistics	STAT S200	3	3
U.S. Government & Politics	PS S101	3	3
U.S. History	HIST S131 & HIST S132	6	3
World History	HIST S105 & HIST S106	6	3

## College-Level Examination Program (CLEP)

The College Level Examination Program (CLEP) provides an opportunity for students admitted to UAS degree programs to test out of coursework in fine arts, humanities, social science, foreign language, English, mathematics, and natural science. ACE (American Council on Education) recommends that a minimum score of “50” must be attained to earn college credit.

Students who take the CLEP College Composition with Essay and score 50 points or higher will receive 3 semester hours of credit for WRTG S111. **NOTE: The CLEP General Exam in College Composition without Essay will be transferred as elective credit only. Students cannot challenge WRTG S211 or WRTG S212**

Contact: CLEP, P.O. Box 660. Princeton, NJ 08541-6600 Ph: 1-800-257-9558

### CLEP Exams Currently Accepted

Test Name	UAS Course	Credits	Min. Score
Algebra (College)	MATH S151	4	50
American Government	PS S101	3	50
Biology, General	BIOL S115 & BIOL S116	8	50
Business Law (Introduction)	BA S2 ELEC	3	50
Calculus	MATH S251	4	50
Chemistry	CHEM S105/ CHEM S105L & CHEM S106/ CHEM S106L	8	50
College Composition	WRTG S111	3	50

College Mathematics	MATH S1GER	3	50
Financial Accounting	ACCT S201	3	50
French (College Level) <sup>1</sup>	FREN S101 & FREN S102	6	55
French (College Level) <sup>1</sup>	FREN S2 ELEC	6	72
German (College Level) <sup>1</sup>	LANG S1GER	6	55
German (College Level) <sup>1</sup>	LANG S2 ELEC	6	72
History of the U.S. I	HIST S131	3	50
History of the U.S. II	HIST S132	3	50
Human Growth & Development	PSY S250	3	50
Humanities	HUM S1 ELEC	3	50
Natural Sciences	NSCI Elective	4	50
Pre-Calculus	MATH S1GER	4	50
Principles of Marketing	BA S2 ELEC	3	50
Principles of Macroeconomics	ECON S201	3	50
Principles of Microeconomics	ECON S202	3	50
Psychology (Introductory)	PSY S111	3	50
Social Sciences/ History	SOC/HIST S1 ELEC	6	50
Sociology (Introductory)	SOC S101	3	50
Spanish (College Level) <sup>1</sup>	SPAN S101 & SPAN S102	6	55
Spanish (College Level) <sup>1</sup>	SPAN S201 & SPAN S202	6	72
Western Civilization I	HIST S1GER	3	50
Western Civilization II	HIST S1GER	3	50

<sup>1</sup> Two to four language semesters approved. Total score determines credit award.

## Information Release

### Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student’s education records within 45 days after the day the university receives

a request for access. A student should submit to the Office of the Registrar a written request (letter or fax) that identifies the record(s) the student wishes to inspect. The registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the registrar, registrar-designated staff shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the university to amend a record should write the university official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the university decides not to amend the record as requested, the university will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The university discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of the university who performs an institutional service of function for which the university would otherwise use its own employees and who is under the direct control of the university with respect to the use and maintenance of personally identifiable information from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the university.

Upon request, the university also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The university also discloses information without a student's prior written consent under the FERPA exception for disclosure of information that it has designated as "directory information".

See the list below of the other disclosures that the university may make without consent.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202-5920

The following information is designated as directory information by the university:

1. Names of students
2. Dates of attendance at the university
3. Program/major field(s) of study
4. Degrees and certificates received including dates
5. Participation in officially recognized University activities
6. Academic and co-curricular awards, honors, and scholarships received and dates received
7. Weight and height of students on athletic teams
8. Students' electronic mail addresses
9. Hometown city, state/province and country
10. Enrollment status

The following information is designated as limited directory information by the university and will only be used by university officials for verification purposes and only in conjunction with a legitimate educational interest:

1. Student ID (UA ID)
2. Date of birth

A student may inform the Office of the Registrar in writing that he/she does not give permission for the university to release his/her directory information or may submit the request through UAOnline at [uaonline.alaska.edu](https://uaonline.alaska.edu) (<https://uaonline.alaska.edu>). The request is valid until a subsequent request to release directory information is received in writing or through UAOnline.

See the list below of the other disclosures that postsecondary institutions may make without consent.

FERPA permits the disclosure of personally identifiable information from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose Personal Identifiable Information from the education records without obtaining prior written consent of the student:

- To other school officials, including teachers, within the university whom the university has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the university has outsourced institutional services or functions,

provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))

- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the university, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the university determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the university's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))
- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the university, governing the use or possession of alcohol or a controlled substance if the university determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

## Academic Regulations

### Class Standing

Based on total credits earned, students are classified as:

Freshman:	0 to 29 credits
Sophomore:	30 to 59 credits
Junior:	60 to 94 credits
Senior:	95 credits and above

Only students who are officially admitted to degree programs have class standing. Incoming transfer students will be given initial class standing based on the number of transfer credits accepted by UAS.

### Attendance

Regular attendance is expected in all classes; unexcused absences may result in a failing grade. It is the student's responsibility to confer with instructors about absences and the possibility of arranging to make up missed work.

### Full-Time/Part-Time Status

An undergraduate student who registers for 12 or more semester credit hours will be classified as full-time. However, in order to complete an undergraduate degree in four years, it is necessary for undergraduates to take at least 15 credits per semester. Undergraduates may enroll in up to 18 credits without special permission. To enroll in 19 credits or more, a student will need the approval of the academic advisor and registrar or campus director. A graduate student enrolled in nine or more graduate semester credit hours or its equivalent will also be classified as full-time. Part-time undergraduate students register for less than 12 credits.

Courses that are audited or challenged through University course challenges are not included in the full- and part-time status computation for UAS students. Students receiving financial aid should consult the Financial Aid Office before registering for correspondence courses.

### Degree Program Changes

Once formally admitted, in good standing and in attendance, students may request to change their degree, their emphasis, or their assigned advisor. In addition, students may add a second degree. These changes can be made by completing the Change of Major form, available online ([http://uas.alaska.edu/forms/documents/change\\_degree.pdf](http://uas.alaska.edu/forms/documents/change_degree.pdf)) and at the Student Resource Center or Registrar's Office in Juneau, the Records and Registration Office on the Ketchikan campus, the Advising Office on the Sitka campus and on the Web.

Students admitted only to an Occupational Endorsement need to apply for admissions if they wish to add a higher level degree. The Change of Major form can be used to add or change Occupational Endorsements.

All catalog requirements for the new major or degree at the time of the admission to the new major must be fulfilled. Students may choose the catalog under which they wish to graduate once

they have been admitted to their program (as long as it does not predate the admission year).

## Academic Petition

Deviations from academic requirements and regulations for both undergraduate and graduate students must be approved by academic petition. Petition forms are available online (<http://www.uas.alaska.edu/forms/documents/petition.pdf>) and from Registrar's Office or Student Services on each campus.

The petition review committee reserves the right to request additional documentation and signatures prior to making a final decision regarding the petition request. By providing supporting documents and signatures the committee will be able to make a more informed decision regarding the request.

**Changes in course level, grading, or number of credits awarded are not petitionable.**

**Academic Appeal:** See Dispute Resolution, Student (p. 237).

## Academic Standings

UAS assesses academic standing only for students admitted to a degree program. Students who fall below "good standing" will be notified and directed to seek assistance from an academic advisor. The following four levels of academic standings are:

**Good Standing:** Students are in academic good standing when they have a cumulative grade point average of 2.00 or higher (3.00 or higher for graduate students) and a recent semester grade point average of 2.00 or higher (3.00 or higher for graduate students). First-semester students are presumed to be in academic good standing during their initial semester unless the student has been admitted on probationary status. Please note that Good Standing is not the same as Satisfactory Academic Progress for Financial Aid. See the policies regarding Verification of Academic Progress for students receiving financial aid.

**Academic Warning:** Any time a student's **semester** GPA drops below a 2.00, he or she will be given an academic warning. A registration hold will be placed on the student account, requiring the student to meet with an academic advisor prior to registering for a subsequent semester.

**Academic Probation:** If a student's **cumulative** and/or semester GPA drops below a 2.00, he or she will be placed on academic probation. A student can only be removed from probation status by raising his or her cumulative GPA to a 2.00 within one semester after being placed on academic probation. A registration hold will be placed on your student account, requiring the student to meet with an academic advisor prior to registering for a subsequent semester.

**Academic Program Removal:** Any student who remains on academic probation for two consecutive semesters of attendance or students admitted on probation not making a 2.00 will be removed from his or her degree program. Notify the Registrar's Office or Admissions to be placed back into your degree program; an application fee for readmission will not be required.

If a student's cumulative GPA is less than a 2.00, but he or she earns a semester GPA above a 2.50, the University will recognize

the student's attempt to reach academic good standing and the student will continue on probation until both the semester and cumulative GPAs are above a 2.00. A registration hold will be placed on the student account, requiring the student to meet with an academic advisor prior to registering for a subsequent semester.

**Graduate Probation:** When a student's cumulative graduate program GPA has dropped below 3.00, the student is placed on academic probation and dropped from candidacy status (if applicable). Terms and conditions of the probation are determined by the program dean or program advisor. These may include specific conditions and/or credit limitations the student must meet during his or her next enrollment at UAS. When the student is removed from academic probation, the student should contact his or her advisor to reapply for advancement to candidacy if applicable.

A student who has not been removed from academic probation within two consecutively enrolled semesters or two summer semesters in succession will be removed from the program. Should the suspended student wish to continue to pursue a degree, the student must submit a new application for admission (including supporting documents but not including the application fee).

## Honors Lists

**Dean's Honor List:** Undergraduate students on all campuses who are admitted to certificate and degree programs at UAS and whose grade point average for the semester is 3.5 or better on a four-point scale are placed on the Dean's Honor List in recognition of academic excellence. Eligibility is based on a minimum of 12 credits of graded (letter grades A, B, C, D and F) course work for the semester through the UA system. However, you must be enrolled in at least one graded course through UAS. **Incomplete grades, deferred grades, late grade changes and non-submitted grades will prevent the calculation of honors.**

**Chancellor's Honor List:** Undergraduate students who are admitted to certificate and degree programs at UAS and whose grade point average for the semester is 4.0 on a four-point scale are placed on the Chancellor's Honor List in recognition of academic excellence. Eligibility is based on a minimum of 12 credits of letter graded course work for the semester through the UA system. However, you must be enrolled in at least one graded course through UAS. **Incomplete grades, deferred grades, late grade changes and non-submitted grades will prevent the calculation of honors.**

## Grades

All UAS grades are letter grades unless otherwise specified in the class schedule. Instructors are expected to state their grading policies, including whether + or - grades will be employed, at the beginning of each course. Grades appearing on academic records at UAS are as follows:

A	(4.00)	"A" (including A-) Outstanding work, measured by the thorough mastery of the course content and the outstanding completion of all course requirements.
A-	(3.70)	
B+	(3.30)	
B	(3.00)	"B" (including B+ and B-) An above-average level of acquired knowledge and work performance in both course content and completion of course requirements.
B-	(2.70)	
C+	(2.30)	
C	(2.00)	"C" (including C+ and C-) A satisfactory or average level of acquired knowledge and work performance in both course content and completion of course requirements. Some courses and prerequisites may require at least a 'C' (2.00) or higher.
C-	(1.70)	
D+	(1.30)	
D	(1.00)	"D" (including D + and D-) The lowest acceptable level of acquired knowledge and work performance in both course content and completion of course requirements.
D-	(0.70)	
F	(0.00)	Failure to meet a minimal level of understanding of course content and/or performance in completion of course requirements.

**The above grades carry grade points and are used to calculate student GPAs.**

CR	Credit. Indicates credit was awarded under the credit/no credit option and the student's work was equivalent to a 'C' (2.00) or higher. Credit carries no grade points. Courses may be used to fulfill only elective requirements. They may not be used for General Education Requirements or Major Course Requirements.
P	Pass. Indicates satisfactory completion of course requirements at either the undergraduate or graduate level. Satisfactory level of work is equivalent to 'C' (2.00) or higher in an undergraduate course and 'B' or better in a graduate course and carries no grade points.
<b>The following are non-grade designations:</b>	
AU	Audit. Indicates registration status of a student enrolled for informational instruction only. No academic credit is granted.
DF	Deferred. Indicates that course requirements cannot be completed by the end of the semester and credit will be withheld without penalty until the course requirements are met within an approved time. The designation will be used for courses such as thesis and special projects that require more than one semester to complete. DF applies to the course and may not be used to grade individuals. This may affect your eligibility to receive Financial Aid or semester honors.
NB	No Basis. Indicates that student has not attended or has stopped attending early in the semester without officially withdrawing and there is insufficient student progress and/or attendance for evaluation. No credit is given, nor is NB calculated in the GPA. This is a permanent grade and may not be used to substitute for the Incomplete. Grades of NB cannot be changed to letter grades or incompletes. (See Faculty Initiated Withdrawal)

NC	No Credit. Indicates no credit was awarded under the credit/no credit option and the student's work was equivalent to a 'C-' (1.7) or lower. No credit carries no grade points.
NP	No Pass indicates non-passing in a professional level (500-599) course. No credit is given, and NP is not calculated in the GPA.
W	Withdrawn. A registration status that indicates withdrawal from a course after the official drop period. Course will appear as 'W' on transcript. A faculty member may initiate a withdrawal for students or auditors who fail to meet specified course prerequisite or attendance requirements.
I	Incomplete. A temporary grade status used to indicate the student has satisfactorily completed (C 2.00 or better) the majority of the work in a course, but for personal reasons beyond the student's control has not been able to complete the final requirements of the course. Incomplete work must be completed within one (1) year or the date stipulated by the instructor for completion of course work is at his or her discretion, and cannot exceed one year. A change of grade needs to be submitted by the faculty member or the I (incomplete) will become permanent. The instructor must submit a Course Completion Contract signed by the student along with the grade report for that class.

For each Incomplete Grade, a Course Completion Contract must be signed between the student and the instructor stipulating the assignment(s) required to finish the course within the allowable time period. A copy of the contract is to be given to the student, and the original is retained in the program office for Juneau students and at the Sitka and Ketchikan registration office for students enrolled at those campuses. Forms are available from each program or campus registration office. Students who receive financial aid must contact the Financial Aid Office to discuss the effect of I grades on future funding.

**Grade Changes:** All grades, other than incomplete and deferred grades, are assumed to be the student's final grades and they become part of the student's permanent records. A grade may not be changed unless a legitimate error has been made on the part of the instructor in calculating the grade. Such changes must

then be approved by the dean of the program or campus director and the registrar (or the provost after one year).

**Grading System:** The grade point average (GPA) is a weighted numerical average of the grades a student has earned while taking courses at UAS. To compute the GPA, the total number of credits a student has taken is divided into the total number of grade points a student has earned. Grade points are calculated by multiplying the number of grade points awarded, according to the chart below, by the number of credits attempted for the course. The sum of the grade points is then divided by the total number of credits. Only letter grades are weighted. Grades of I, DF, W, P, AU and CR do not carry grade points and do not affect the GPA.

#### Letter grades are weighted as follows:

A	= 4.00
A-	= 3.70
B+	= 3.30
B	= 3.00
B-	= 2.70
C+	= 2.30
C	= 2.00
C-	= 1.70
D+	= 1.30
D	= 1.00
D-	= 0.70
F	= 0.00

Courses graded P (pass) or CR (credit given) and credits earned by credit-by-examination carry no grade points and are not included in the grade point average computation. These courses are also not included in the GPA computation for Dean's and Chancellor's Honor Lists.

## Repeated Courses

All courses and grades (original and repeats) for a course completed at UAS are included on the academic record, but only the **last grade earned** for a course is calculated in the GPA unless the course is one that can be repeated for credit.

Students receiving Financial Aid are only eligible to retake a passed class (D- or better) once with funding, after which they may retake it at their own expense. There is no exception to this rule for individual course prerequisite requirements to move to the next level for example: MATH S105 to MATH S151 must have a (C 2.00 or better).

## Financial Aid

Financial aid helps make college affordable. It can help pay for tuition and fees, books and supplies, and living expenses for classes that are required for your program of study at UAS. The Financial Aid Office assists students in applying for funds to attend any of the UAS campuses. State and federal governments, the University, and many private organizations offer grants, scholarships, loans, and employment opportunities to students who demonstrate need for such assistance. Each student's financial situation is carefully assessed, taking into

consideration family size, assets, income, debts, and estimated costs of attending college. Type and amount of financial aid varies according to state and federal guidelines, student need, and availability of funds. All applications for financial aid for students at all UAS campuses (Juneau, Ketchikan, and Sitka) are processed in Juneau.

## Cost of Attendance

Because student living arrangements and personal spending habits vary widely, there is no single figure that can be used to represent the cost of attending UAS. Therefore, the following estimated costs are offered only as a guide in budget planning.

**Tuition and Fees:** These costs vary with the student's educational level (graduate or undergraduate), enrollment status (full or part-time) and residency (instate or out-of-state). Refer to the fee schedule.

**Books and Supplies:** These costs are averaged per year for a full-time student but can vary with student course load.

**Food:** The given allowance seems to be sufficient for most students for two semesters.

**Campus Housing:** In Juneau during the academic year (fall and spring only), cost of housing is \$2,800 per semester. Additional charges apply for private rooms in the First-Year Residence Hall, two-bedroom apartments and family housing. Required meal plans range from \$600 to \$1,650 per semester depending upon assignment. Please see the Housing website for a rate breakdown.

**Off-Campus Housing:** The estimated cost of an off-campus apartment for a student is approximately \$925 per month.

**Transportation:** The given allowance seems to be sufficient to meet most needs for two semesters; cost depends on how close a student lives to campus and whether there are car expenses. Students should also allow for airfare if they plan to return to their hometown during the school year.

**Personal Expenses:** A student should budget for clothing, laundry, medical and dental expenses, recreation, personal supplies, and other items. The given allowance by academic year seems to be sufficient.

## Alaska Resident: Fall 2021/Spring 2022 Estimated Expenses

### Undergraduate

Based on 12 credit hours/semester

	Living at home with parents without dependents	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$2,229	\$4,000	\$4,458
Books	\$1,400	\$1,400	\$1,400

Student/Course Fees	\$1,460	\$1,460	\$1,460
Personal	\$2,048	\$2,048	\$2,048
Room	\$2,229	\$5,800	\$6,414
Transportation	\$1,668	\$400	\$1,668
Tuition	\$5,904	\$5,904	\$5,904

NOTE: Figures were calculated using estimated rates. Please contact the Financial Aid Office for an explanation of the assumptions made in determining these Cost of Attendance Budgets.

### Graduate

Based on 9 credit hours/semester

	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$4,000	\$4,458
Books	\$780	\$780
Student/Course Fees	\$1,442	\$1,442
Personal	\$2,048	\$2,048
Room	\$5,800	\$6,414
Transportation	\$400	\$1,668
Tuition	\$9,234	\$9,234

NOTE: Figures were calculated using estimated rates. Please contact the Financial Aid Office for an explanation of the assumptions made in determining these Cost of Attendance Budgets.

## Alaska Non-Resident: Fall 2021/Spring 2022 Estimated Expenses.

### Undergraduate

Based on 12 credit hours/semester

	Living at home with parents without dependents	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$2,229	\$4,000	\$4,458
Books	\$1,400	\$1,400	\$1,400
Student/Course Fees	\$2,070	\$2,070	\$2,070
Personal	\$2,048	\$2,048	\$2,048
Room	\$2,229	\$5,800	\$6,414
Transportation	\$1,668	\$400	\$1,668
Tuition	\$19,488	\$19,488	\$19,488

NOTE: Figures were calculated using estimated rates. Please contact the Financial Aid Office for an explanation of the

assumptions made in determining these Cost of Attendance Budgets.

## Graduate\*

Based on 9 credit hours/semester

	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$4,000	\$4,458
Books	\$780	\$780
Student/Course Fees	\$1,838	\$1,838
Personal	\$2,048	\$2,048
Room	\$5,800	\$6,414
Transportation	\$400	\$1,668
Tuition	\$19,422	\$19,422

NOTE: Figures were calculated in using estimated rates. Please contact the Financial Aid Office for an explanation of the assumptions made in determining these Cost of Attendance Budgets.

\*Residents of Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Commonwealth of the Northern Mariana Islands, and Wyoming and are eligible to pay the resident tuition rate tuition at UAS if they apply and are accepted for admission under the Western Regional Graduate Program (WRGP) program.

## Western Undergraduate Exchange (WUE): Fall 2021/Spring 2022 Estimated Expenses

### Undergraduate

Based on 12 credit hours/semester

	Living at home with parents without dependents	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$2,229	\$4,000	\$4,458
Books	\$1,400	\$1,400	\$1,400
Student/Course Fees	\$1,460	\$1,460	\$1,460
Personal	\$2,048	\$2,048	\$2,048
Room	\$2,229	\$5,800	\$6,414
Transportation	\$1,668	\$400	\$1,668
Tuition	\$8,868	\$8,868	\$8,868

NOTE: Figures were calculated in using estimated rates. Please contact the Financial Aid Office for an explanation of the

assumptions made in determining these Cost of Attendance Budgets.

Western Undergraduate Exchange program: residents of Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Commonwealth of the Northern Mariana Islands, and Wyoming and are eligible to pay the resident tuition rate plus 50 percent per credit at UAS if they apply and are accepted for admission under the WUE program.

## Types of Available Aid Grants

Grants are awards that do not need to be repaid as long as the student meets the academic progress requirements of the granting agency.

### Federal Grants

**Federal Pell Grant:** The Federal Pell Grant makes funds available to eligible students with financial need. To be eligible for Federal Pell Grant, students must not have earned their first baccalaureate degree or have used more than 12 full-time equivalent semesters of Federal Pell Grant during their lifetime.

### Federal Supplemental Educational Opportunity Grant (FSEOG):

The (FSEOG) program is similar to the Pell Grant program and can provide additional assistance to students with financial need and are eligible for the maximum Federal Pell Grant. Students must be meeting the standard eligibility criteria (<http://catalog.uas.alaska.edu/financial-aid/eligibility/>) and funds are limited so we encourage students to complete their FAFSA as early as possible.

### Federal Teacher Education Assistance for College and Higher Education (TEACH) Grant:

Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program (<https://studentaid.gov/app/launchTeach.action/>) that provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. Students must be meeting the standard eligibility criteria (<http://catalog.uas.alaska.edu/financial-aid/eligibility/>) and must complete the TEACH Grant Application ([https://uas.alaska.edu/financial\\_aid/forms.html](https://uas.alaska.edu/financial_aid/forms.html)) and follow all the steps necessary to obtain this funding option.

### Non-Federal Grants

**Stay on Track/University of Alaska Grant :** Sophomores, juniors, and seniors taking 15 credits or more can receive \$750 per academic year. The UAS Financial Aid Office automatically awards the Stay on Track/University of Alaska Grant to eligible students the funds are limited so we encourage students to complete their FAFSA as early as possible. To be considered, complete the FAFSA, register for 15 credits or more, and meet program requirements ([https://uas.alaska.edu/financial\\_aid/policies-and-definitions.html#stayOnTrack](https://uas.alaska.edu/financial_aid/policies-and-definitions.html#stayOnTrack)).

**Alaska Education Grant:** The Alaska Education Grant (AEG) is a need-based program, with awards ranging from a minimum of \$500 to a maximum of \$4,000 per academic year, for

students who have qualifying unmet financial need. All Alaska residents who complete the Free Application for Federal Student Aid (FAFSA) by June 30 of each year, and who list at least one qualifying Alaska institution of higher education, will be considered as having applied for the grant program. Qualifying applications are prioritized based on financial need. For more information contact ACPE at [ACPE@alaska.gov](mailto:ACPE@alaska.gov) or (907) 465-2962 or (800)-441-2962 or visit their website (<https://acpe.alaska.gov/FINANCIAL-AID/>).

**Bureau of Indian Affairs (BIA):** The Bureau of Indian Affairs makes grants and scholarships available to eligible students who are Alaska Native or American Indian. For further information and application materials, contact the local BIA area office and/or your regional Native Regional Corporation.

## Scholarships

**Institutional (Foundation) Scholarships:** Scholarships are awarded for academic achievement, leadership potential, extracurricular involvement, and/or financial need. Students interested in applying for scholarships should review the UAS Financial Aid website for guidelines and applications. For Sitka and Ketchikan campus students, additional scholarship applications are available through the Student Services Office. When open for applications, the University of Alaska Scholarship application may be accessed on [alaska.academicworks.com](http://alaska.academicworks.com) (<https://alaska.academicworks.com/>). This one application is required for all UAS and UA (University of Alaska) Foundation scholarships, and the deadline is February 15th for the next academic year.

### Housing Scholarships:

- **Chancellor's Award:** This merit-based scholarship is awarded to new full-time students (whether first-time students or transfers) based upon academic achievement. The award covers partial costs of on-campus housing for a new student's first year at UAS. Incoming students with a 3.5 or higher GPA are eligible once their FAFSA has been completed. Awards are applied to student accounts automatically with no additional application required. Please be aware that if your housing is covered by third-party funding, this award will be removed.

**UA Scholars Program:** The UA Scholars Award is a \$12,000 scholarship awarded to Alaska high school students who are in the top 10% of their class at the end of their junior year as determined by their school. The Award may be used at any University of Alaska campus and is distributed in the amount of \$1,500 per semester for eight semesters provided the Scholar remains eligible.

- What it covers: Eligible expenses such as undergraduate tuition, fees, room, board, books, supplies, qualified study abroad, national student exchange, and other educational costs incurred for attendance at the University of Alaska.
- Who is eligible? Students are designated by their high school based on their academic standing at the end of their junior year. Students must be either US Citizens or aliens lawfully admitted for permanent residence.

For more information please visit the UA Scholars Program (<https://www.alaska.edu/scholars/>) or contact them at: (907) 474-5105 or (877) 257-2465 (toll-free).

**Alaska Performance Scholarship:** The Alaska Performance Scholarship (APS) was created in 2010 to improve high school performance and better prepare Alaskans for post-secondary education and career success. The APS can be used for up to eight semesters (four years) at any regionally accredited college or university in Alaska, or for approved career and technical education programs in the state. Even if students begin their studies out of state, they have up to six years after high school graduation to use the award to finish their education at a qualifying Alaska institution. To be considered for the APS, students must meet all high school course requirements, and complete the FAFSA by June 30 for the next school year. For more information contact ACPE at [ACPE@alaska.gov](mailto:ACPE@alaska.gov) or (907) 465-2962 or (800)-441-2962 or visit their website (<https://acpe.alaska.gov/FINANCIAL-AID/>).

**Western Undergraduate Exchange Award:** UAS participates in the Western Undergraduate Exchange administered by the Western Interstate Commission for Higher Education. Only new undergraduate degree applicants claiming residency in Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington or Wyoming are considered for a WUE award that reduces nonresident tuition to 1.5 times the resident tuition rate. WUE award applicants must submit an application for admission and clearly mark their interest in WUE on the form. Admission is restricted to an approved list of degree programs. Priority deadline for reviewing WUE applications is Feb. 15. For more information contact our Admissions Office at 907-796-6100, (877) 465-4827, or [uas.admissions@alaska.edu](mailto:uas.admissions@alaska.edu).

**Preparing Indigenous Teachers and Administrators for Alaska Schools (PITAAS):** The PITAAS Scholarship is a scholarship opportunity for students committed to teaching in Alaska. Please visit the PITAAS website (<https://www.uas.alaska.edu/education/scholarships-and-grants/pitaas.html>) for more information.

## Loans

Student loans are a large source of assistance designed to help students pay for their education. As with any loan, students should be conservative and only borrow what they absolutely need. Student loans must be repaid with interest, under the terms of the master promissory note (MPN). Education loans come in three major categories: federal student loans, federal loans for parents, and private alternative loans

### Federal Direct Stafford Loans

The Direct Loan Program enables students to borrow directly from the U.S. Department of Education. To qualify, a student must complete the FAFSA. Students must be enrolled at least half-time in order to receive a disbursement. Other eligibility requirements are listed on the Financial Aid Office's Website ([https://uas.alaska.edu/financial\\_aid/policies-and-definitions.html](https://uas.alaska.edu/financial_aid/policies-and-definitions.html)).

- **Federal Subsidized Student Loan:** This is a need-based loan in which the federal government pays the interest while the student is attending postsecondary education at least half-time and for six months after graduation or after the student leaves school. There are annual and aggregate (i.e., lifetime) limits (<https://studentaid.gov/understand-aid/types/loans/subsidized-unsubsidized/>) on subsidized student loans, including a limit on students receiving subsidized loans for a time period greater than 150% of the time required to complete their degree program.
- **Federal Unsubsidized Student Loan:** This loan is not a need-based loan, meaning that all eligible students qualify regardless of financial need. Interest accumulates on these loans from the time they are disbursed to the student's account. There are (annual and aggregate (i.e., lifetime) limits (<https://studentaid.gov/understand-aid/types/loans/#how-much-money-can-i-borrow-in-federal-student-loans>) on unsubsidized student loans.
- **Federal Direct PLUS Loan for Graduates:** PLUS loans are federal loans that graduate or professional degree students can use to help pay educational expenses. The maximum loan amount is the student's cost of attendance minus other financial aid received.

### Federal Direct Parent PLUS Loans

Parents can borrow for their dependent student's educational costs. The maximum loan amount is the student's cost of attendance minus other financial aid received. Completion of the FAFSA is required to borrow a PLUS loan. The interest on the PLUS loan begins to accrue with disbursement. Payments usually begin 60 days after the loan is fully disbursed.

### Alternative Private Loans

An alternative private loan is a personal loan from a bank that is used for educational expenses. These loans are often used as a supplement to a student's existing financial aid package so Federal Direct Loans should be maximized before applying for an alternative private loan. Many alternative loans may be deferred until graduation; some may require interest payments while the student is still enrolled. Interest rates, origination fees, repayment options, and other terms and conditions of alternative private loans will vary so it's important that students research alternative private loan options carefully. Once a lender is selected, the student must complete an application and MPN for each alternative loan requested.

## Student Employment

**Federal Work Study Program:** The Federal Work Study (FWS) program provides a limited number of jobs for eligible students as determined by the application for Federal Student Aid (FAFSA). Most of the FWS opportunities are on campus. Students may work up to twenty (20) hours per week during the semester and possibly up to forty (40) hours per week during semester break periods. Wages depend on the job responsibilities and the student's qualifications. Eligible applicants should contact the

Financial Aid Office on each campus for information on available FWS positions.

**Part-Time Employment:** Students who are not eligible for the Federal Work Study program may still find part-time employment on or off campus. Information on position openings is available through [alaska.edu/jobs](http://alaska.edu/jobs) (<http://alaska.edu/jobs/>).

## Veterans Assistance

The University of Alaska Southeast is approved to provide training to veterans, eligible dependents, and service personnel who are using Veterans Administration (VA) educational benefits and who are attending the Juneau, Ketchikan or Sitka campus of UAS.

Before registering for courses, students eligible for VA educational benefits must apply for formal admission into a VA approved degree program (<https://inquiry.vba.va.gov/weampub/buildSearchInstitutionCriteria.do>). VA students who have not resided in Alaska for the past 12 months must submit an Application for Resident Tuition Assessment (<https://www.alaska.edu/files/studentservices/student/residency-form/Residency-Application-enterable.pdf>) and complete Option C and include a copy of their Certificate of Eligibility from the VA. In addition, federal law requires that schools approved for veterans training report attendance and progress of all students who receive benefits. Required VA forms and information on all VA programs are available online at [www.va.gov](http://www.va.gov) (<http://www.va.gov/>).

Students may receive VA benefits only for courses that are required for completion of their degree program. In addition, VA students must remain in good academic standing (p. 18). Students who are receiving both VA educational benefits and Title IV financial assistance must maintain satisfactory academic progress (p. 27). Failure to do so is reported to the Veterans Administration and may terminate educational benefits. VA students may review their mandatory Shopping Sheet information on UAOnline after July 1st.

**Adds, Drops and Other Changes:** Students must inform the VA School Certifying Official whenever they add or drop courses, withdraw from the university, change address or dependents, or make other status changes. Students who drop or withdraw may be required by the VA to reimburse a portion of their veterans benefits.

## Eligibility for Financial Aid

To be considered for financial aid, including Federal grants and loans, and institutional grants and scholarships, a student must:

1. Have graduated from high school or a state-recognized home school, or have earned a GED;
2. Be unconditionally admitted to a program leading to a degree or certificate at UAS;
3. If applying for federal need-based assistance, demonstrate financial need as determined by the Free Application for Federal Student Aid (FAFSA);
4. Maintain satisfactory academic progress in his/her course of study;

5. Be a U.S. citizen or eligible non-citizen;
6. Have a valid Social Security number;
7. Register with Selective Service, if required;
8. Certify that they will use federal student aid only for educational purposes;
9. Not be in default on any federal Title IV loan (Stafford, FSLs or Perkins) or owe a refund on any federal Title IV grant or loan (Pell, FSEOG, SSIG or Perkins);
10. Enroll in degree-applicable classes.

## Deadlines

UAS Fall 2021 Pell Recalculation September 4, 2021  
Date

UAS Spring 2022 Pell Recalculation Date	January 21, 2022
UAS and UA Foundation Scholarships	February 15, 2022
UAS Summer 2022 Pell Recalculation Date	8am on May 20, 2022
Alaska Education Grant	File FAFSA by June 30
Alaska Performance Scholarship	File FAFSA by June 30

The Pell Recalculation Date (sometimes referred to as the census date) is a date in the semester when the Financial Aid Office is required to evaluate your Federal Pell Grant eligibility based on your current enrollment status. If the Pell Grant you were awarded does not match with your current enrollment status, your award must be adjusted. UAS also adjusts other funds on this date and the awards that are affected by the Pell Recalculation Date are:

- Federal Pell Grant
- TEACH Grant
- Federal Supplemental Education Opportunity Grant (SEOG)
- Iraq and Afghanistan Service Grants
- Tuition Waivers

## Application Procedures

Students must apply each year for financial aid. Students should contact the Financial Aid office for a UAS Financial Aid information packet and application materials. Send requests for information to 11066 Auke Lake Way, Juneau, AK 99801-8680, or call (907) 796-6255 or 1-877-465-4827 (toll-free).

Specific procedures are as follows:

1. All students must be unconditionally admitted to a degree or certificate program at the University of Alaska Southeast before most types of financial aid can be disbursed (refer to the "Admission" sections of this catalog for information on procedures and deadlines). Graduate and Credential students who are admitted "conditionally" should contact the Financial Aid Office for more information.
2. All students should complete the Free Application for Federal Student Aid (FAFSA), listing the University of Alaska Southeast, code # 001065, in the school section. For the academic year, the FAFSA must be received by the Federal

processor by June 30, or by the end of the term in which the student is enrolled, whichever is earlier. Students are encouraged to complete the FAFSA early ([www.fafsa.gov](http://www.fafsa.gov)) (<https://www.fafsa.gov>)).

3. The student will receive a Student Aid Report (SAR) acknowledgment letter two to four weeks after the FAFSA has been submitted, and the Financial Aid Office on the Juneau campus will receive an Institutional Student Information Record electronic SAR within approximately seven to ten days of processing the FAFSA. All students should review the SAR acknowledgment letter and confirm that all the information is correct. Note: Students may be required to provide additional information and documents (refer to the "Verification of Information" section).
4. Students who wish to apply for UAS or UA Foundation scholarships may access the application on the Financial Aid Office's website. Please note that the deadline for applications for UAS and UA Foundation Scholarships is the February preceding the academic year.
5. Students who wish to apply for other scholarships may request applications, if available, from the financial aid representative on each campus.
6. Students who wish to apply for the Alaska Education Grant must submit their FAFSA by June 30 in the preceding the academic year.
7. Students who wish to apply for the Alaska Performance Scholarship must submit their FAFSA by June 30.
8. Students interested in Federal Direct Loans, the Alaska Supplemental Education Loan program or other alternative loan programs are encouraged to apply on-line (please refer to the Financial Aid Office's website for information concerning on-line applications).
9. Students who wish to apply for Bureau of Indian Affairs grants or scholarships should contact the BIA or their Regional Native Corporation for applications.

## Verification of Information

The U.S. Department of Education reviews financial aid applications to determine that information has been reported accurately and that aid is distributed fairly. The Financial Aid Office also verifies information on selected applications before students can receive financial aid awards. The Financial Aid office may request copies of a number of documents that must be submitted before aid can be disbursed. Examples of some possible documents are listed below:

1. Income Tax Return Transcripts
2. Verification of untaxed income
3. Verification of household size
4. Verification of number of family members in college
5. Verification of dependency status
6. Verification of non-citizen status
7. Verification of social security number
8. Verification of registration status with the Selective Service
9. Verification of status of defaulted student loans
10. If military, copies of Leave/Earning Statements for prior-prior tax year

11. Proof of identity signed by a Notary and a statement of education purpose

## Satisfactory Academic Progress Statement

In order to receive financial aid from the Federal aid program, the State of Alaska program or from institutional funds<sup>1</sup>, a student must be fully admitted to an eligible degree or certificate program. In addition, the student must maintain satisfactory academic progress toward his/her educational goal as defined below:<sup>2</sup>

1. Federal regulations found in 34 CFR 668.34 require, as a condition to participation in federal student aid program, that the University have a satisfactory academic progress (SAP) policy that monitors:
  - a. Quality—this is monitored by the cumulative grade point average (GPA). To maintain eligibility for financial aid students must stay in good academic standing by maintaining a minimum 2.00 cumulative GPA for undergraduates and a minimum 3.00 for graduates.
  - b. Quantity—this is monitored by evaluating the percentage of attempted credits in which passing grades are earned. The minimum satisfactory completion rate is 67% (rounded to nearest 1%). Passing grades for this purpose are letter grades of A, B, C, D, or P. This is an ongoing average, and not a semester or annual percentage.
  - c. Maximum Timeframe—the final component requires that students complete their degree program within 150% of the required credits of the program. For example, if a student is in a bachelor's degree program that requires 120 credits to graduate, the student may receive funding for the first 180 credits attempted.
2. Academic progress will be reviewed at the end of each semester to ensure the student has met the minimum GPA requirements and completed 67% of attempted credits at the University of Alaska and credits that have been taken at other institutions and transferred into the student's degree program.
3. Grades of AU, DF, F, I, W, NB, NC and NP indicate unsatisfactory completion of courses for financial aid purposes. DF grades assigned for thesis work in progress will be allowed as satisfactory for one year only. Failure of a student to satisfactorily complete the required percentage of credits will result in the suspension of most types of financial aid.
4. First-time freshmen with no prior post-secondary academic history are considered to be making satisfactory academic progress for the first semester of enrollment.
5. Satisfactory academic progress must be maintained and is reviewed even during terms in which aid is not received.
6. Academic Disqualification, Dismissal or Removal from Program will result in immediate loss of aid.

**Incomplete Grades:** Incomplete courses will not be considered complete until official confirmation has been received in the financial aid office showing satisfactory completion of the incomplete with a passing grade.

**Repeat Courses:** Students may receive financial aid funding once for repeating a previously passed class; a failed course may be repeated until it is passed.

**Remedial Coursework:** Students who enroll in remedial coursework (less than 100 level) may receive financial aid.

**Telecourses and e-Learning Courses:** These courses count toward the credit hour load and may be used to fulfill credit hour requirements for financial aid if the courses are required for a student's degree program. NOTE: Students are still required to complete these classes within the term that they enroll (year-long correspondence courses are NOT eligible for financial aid).

**Challenge courses and 500-level courses:** These courses are NOT fundable by any type of financial aid.

**Withdrawals:** Students who totally withdraw from the university, after receiving financial aid, may be liable for refunds and/or return of Title IV funds. Additional information can be found in the University catalog or on the Financial Aid website.

**Institutional Funds:** Students receiving most scholarships, grants, or tuition waivers from UA are expected to meet the satisfactory academic progress requirements listed in this document. Please be advised, however, that some scholarships and waivers require a higher GPA for continued receipt.

**Other Sources of Aid:** Students receiving scholarships or financial aid from such sources as State of Alaska, BIA, regional and village corporations, civic groups, and private organizations will be evaluated under the requirements of the funding agency.

**Notification:** Notifications regarding lack of satisfactory academic progress and appeal decisions will typically be emailed to the student. Academic progress can be reviewed via UAOnline.

**Financial Aid Warning:** A student in good standing who fails to meet the Satisfactory Academic Progress requirements will be placed on Warning for the first semester s/he falls below the cumulative 67% standard and/or who fails to meet the minimum cumulative GPA requirement.

**Financial Aid Suspension:** Financial aid suspension will result from:

1. Failure to complete the minimum percentage of credits and/or cumulative GPA required after being on Financial Aid Warning.
2. Academic Disqualification, Dismissal, or removal from program as defined by the academic catalog.
3. Exceeding 150% of the maximum number of credits required for graduation from the student's program.
4. Failure to meet the requirements of an appeal approval and/or academic plan.

**Appeals:** A student may appeal the suspension of their financial aid if they can clearly demonstrate unusual circumstances. All financial aid appeals are reviewed by committee. All decisions made by the Petitions Committee are final. Additional information and guidance regarding this process is available at the Financial Aid Office and the office's website.

**Reinstatement:** A student who cannot or does not want to appeal, or whose appeal has been denied, may regain eligibility by attending course(s) without financial aid. The student will be reinstated once the 67% cumulative completion rate and minimum cumulative GPA has been reached, if the student is within the 150% timeframe and is in good academic standing with the University.

**Disbursements:** Appeals may be approved for current or future semesters only and cannot be approved for a prior term. Funds cannot be disbursed for prior semesters when a student had failed to maintain satisfactory academic progress.

- <sup>1</sup> Employee and Dependent Tuition Waivers do not require admission to a degree or certificate program.
- <sup>2</sup> Private loans, grants, and scholarships may have different criteria for satisfactory progress.

## Concurrent Enrollment

If a student plans to enroll at UAS and at another branch of the University of Alaska during the same semester, it may be possible to consider the credits together when determining a student's status for financial aid funding. Aid cannot be received at both institutions simultaneously. The institution at which the student is admitted is the institution that must disburse the student's aid.

## Disbursement of Funds

All financial aid is received at the Financial Aid Office and released to students through their respective campus Student Account Office. Disbursement is usually in equal amounts, one-half of the total award at the beginning of each semester. Proceeds of any financial aid will be used to pay tuition, fees, and all other eligible amounts due to the University of Alaska. Any remaining balance will be issued to the student in the form of a refund check or a direct deposit. The amounts of financial aid funds disbursed may be adjusted if students make changes to their schedules before the listed Financial Aid Census Date.

The Financial Aid Office will disburse financial aid funds no earlier than ten days before the start of the term to the student's account; however, the actual receipt of aid is dependent on the completeness of each student's financial aid application. The Student Accounts Office will release refund checks within 14 days after a student's financial aid disburses. Refund checks may be picked up at the Student Accounts Office or will be directly deposited if the student has signed up for this option. Students should refer to the Student Refunds page (p. 32) for more information.

## Tax Issues

According to the Tax Reform Act of 1986, all scholarships, fellowships, and federal financial aid grants are counted as taxable income to the extent that these awards, either individually or together, exceed the cost of tuition, fees, required books, and supplies. It is the student's responsibility to report all such aid on his or her tax return.

## Return of Title IV Funds Policy

The Higher Education Amendments of 1998 changed the formula for calculating the amount of aid a student and school can retain when the student totally withdraws from all classes. Students who withdraw from all classes before completing at least 60% of an enrollment term will have their eligibility for aid recalculated based on the percent of the term completed. For example, a student who totally withdraws after completing only 30% of the term will have "earned" only 30% of any Title IV aid received. The school and/or the student must return the remaining 70%. The Financial Aid Office encourages the student to read this policy carefully. If he/she is thinking about withdrawing from all classes prior to completing 60% of the semester, he/she should contact the Financial Aid Office to see how the withdrawal will affect financial aid.

1. This policy applies to all students who withdraw, drop out, are expelled from the University of Alaska Southeast, or otherwise fail to complete the period of enrollment for which they were charged, and who receive financial aid from Title IV funds:
  - a. The term "Title IV Funds" refers to the Federal financial aid programs authorized under the Higher Education Act of 1965 (as amended) and includes the following programs: Unsubsidized Stafford Loans, Subsidized Stafford Loans, Federal PLUS Loans, Federal Pell Grants, and Federal SEOG Grants.
  - b. A student's withdrawal date is:
    - i. the date the student completed the course withdrawal form, or the date the student officially notified the Financial Aid Office or the Student Resource Center on the Juneau campus or the Student Services Coordinator on the Ketchikan or Sitka campus of his or her intent to withdraw (This notification may take place via e-mail, letter, phone or personal contact); or
    - ii. the midpoint of the period for a student who leaves without notifying the institution; or
    - iii. the student's last date of attendance at a documented academically related activity.
  - c. The term "period of enrollment" includes every day, including weekends that the student is enrolled, excluding breaks of at least five consecutive days (the length of the break is determined by counting the first day of the break through the last day before classes resume.)
2. Title IV aid is earned in a prorated manner on a per diem basis up to and including the 60% point in the semester. Title IV aid and all other aid is viewed as 100% earned after that point in time.
  - a. The percentage of Title IV aid earned shall be calculated as follows: Number of days completed by student divided by the total number of days in term completed. The total number of days in term excludes any scheduled breaks of more than five days.
  - b. The percentage of Title IV aid unearned (i.e., to be returned to the appropriate program) shall be 100% minus the percentage earned.
  - c. UAS will return unearned aid first from the student's account. Unearned aid is calculated as follows: Total institutional charges X percent of unearned aid = amount

- returned to program(s). Unearned Title IV aid shall be returned to the following programs in the following order: Unsubsidized Stafford Loan; Subsidized Stafford Loan; Parent Loans to Undergraduate Students (PLUS); Federal Pell Grant; Federal SEOG; other Title IV grant programs. No program can receive a refund if the student did not receive aid from that program.
- d. When the total amount of unearned aid is greater than the amount returned by UAS from the student's account, the student is responsible for returning unearned aid to the appropriate program(s) as follows: Unsubsidized Stafford Loan<sup>1</sup>, Subsidized Stafford Loan<sup>1</sup>, Parent Loans to Undergraduate Students (PLUS)<sup>1</sup>, Federal Pell Grant, Federal SEOG, other Title IV grant programs.
  - e. If a withdrawing student is determined to have earned more aid than was actually disbursed by the official withdrawal date, UAS may apply "post-withdrawal disbursements" to current year charges and to minor (less than \$200) prior year charges that the student owes without specific permission of the withdrawing student, providing the student would have otherwise been fully eligible for the disbursement on the date of withdrawal.
  - f. If amounts earned but not disbursed remain after a "post-withdrawal disbursement" is applied to outstanding eligible institutional charges, withdrawing students (or their respective PLUS borrower) will be offered, in writing via email, a post-withdrawal disbursement of the remaining balance within 30 days of the date of UAS's determination that the student withdrew. UAS has up to 45 days to disburse any grant funding to the student. Loans must be offered to the student within 30 days, and the withdrawing student or his/her parent must accept the offer of the balance of the post-withdrawal disbursement within 14 days of being notified. If the student or parent accepts the offer of the balance of a post-withdrawal disbursement within the time frame, UAS must provide the funds within 90 days of the date on which UAS became aware of the withdrawal. If the student or parent does not respond within the 14-day window, UAS is not required to make the disbursement, but may do so at its discretion. All post-withdrawal disbursements are applied to the student account first, and if it creates any credit balance on the student's account, it must be disbursed as soon as possible and no later than the 14 days after the calculation of the R2T4.
  - g. Written offers of post-withdrawal disbursements, refunds, and adjusted bills will be sent to the student's email on file in the Registrar's Office following withdrawal. Students are responsible for any portion of their institutional charges that are left outstanding after Title IV funds are returned.
3. A student may rescind his/her official notification of withdrawal by filing a written statement with the Registrar's Office that he/she is continuing to participate in academically related activities and intends to complete the period of enrollment. If the student subsequently ceases to attend UAS prior to the end of the period of enrollment, the student's rescission is negated and the withdrawal date is the student's original date or the student's documented last date of attendance at an academically related activity.
  4. UAS' responsibilities concerning the return of Title IV funds include:
    - a. completing the return as soon as possible but no later than 45 days after determining the student as withdrawn;
    - b. providing each student with the information given in this policy;
    - c. identifying students who are affected by this policy and completing the Return of Title IV Funds calculation for those students; and
    - d. returning any Title IV funds that are due to the Title IV programs.
  5. The student's responsibilities in regard to the return of Title IV funds include:
    - a. becoming familiar with the Return of Title IV policy and how to complete withdrawal affects eligibility for Title IV aid; and
    - b. returning to the Title IV programs any funds that were disbursed directly to the student and which the student was determined to be ineligible for via the Return of Title IV Funds calculation.
  6. The procedures and policies listed above supersede those published previously and are subject to change at any time.
  7. Refunds of institutional charges for students who do not totally withdraw will be calculated using the UAS refund policy published in the UAS Class Schedule and Academic Catalog.
- Students who would like more information on the Refund policy or the Return of Title IV Funds policy may contact the Financial Aid Office.
- <sup>1</sup> Loan amounts are returned according to the terms of the promissory note.

## Fees and Expenses

- Network Access Fee (p. 30)
- Student Fees (p. 30)
- Fees and Fee Changes (p. 29)
- Community Education, Sponsored, Non-academic, and Self-Support Course Fees (p. 31)
- Senior Citizen Tuition Waiver (p. 32)
- MBS Book Vouchers (p. 32)
- Petition for Refunds (p. 34)
- Student Refunds (p. 32)
- Resident and Non-Resident Tuition (p. 34)
- Western Undergraduate Exchange (p. 36)
- Payment Plan Option (p. 36)
- Financial Obligations and Payments (p. 37)

## Fees and Fee Changes

- In addition to tuition, any course may use materials, supplies or services that necessitate an additional fee.
- Non-course fees fund student-centered services and programs that support students' academic and social integration into the UAS community, engage students in active learning, and foster the growth and development of each student.
- Fees may also be charged for administrative and/or instructional services. All resident and non-resident tuition

rates and student activity fees are approved by the Board of Regents of the University of Alaska.

- Fee assessments are subject to audit and correction, any such adjustments will be made within the 30 days following the close of late registration. Students will be notified via electronic mail of course adjustments.
- The University of Alaska reserves the right to change tuition rates or fees at any time. Fees may vary at community campuses.

## Network Access Fee

The purpose of the network charge is to cover rapidly rising costs, especially in the maintenance and enhancement of our university-wide technology infrastructure. The charge will be applied at a 4% rate on a course-by-course basis to tuition, non-resident surcharges if applicable, and fees in lieu of tuition, for credit and non-credit courses. Courses with applicable fees less than the lower division credit hour tuition rate will be exempt from the charge. All calculated fees will be rounded to the nearest dollar.

Lower Division	\$9 per credit
Upper Division	\$11 per credit
Graduate	\$21 per credit
Non-resident rate: Lower Division	\$32 per credit
Non-resident rate: Upper Division	\$34 per credit
Non-resident rate: Graduate	\$43 per credit

## Student Fees

### Juneau Consolidated Fee

*\$47 per credit*

The non-refundable consolidated fee is used to provide students with a variety of opportunities and services that enhance the quality of the educational experience and facilitate the delivery of instruction by covering costs associated with the use of various in-class and e-learning instructional materials, supplies, and technologies, as well as learning support resources, facilities, student activities and recreation. The Juneau campus consolidated fee partially funds these specific student services: student government, student health clinic, the Egan Library, the campus learning and testing center, the I.T. Helpdesk, Whalesong, the UAS recreation center, and the Juneau campus shuttle system.

### Ketchikan and Sitka Consolidated Fee

*\$25 per credit for Summer 2021 & Fall 2021 and \$24 per credit for Spring 2022*

The non-refundable consolidated fee is used to provide students with a variety of opportunities and services that enhance the quality of the educational experience and facilitate the delivery of instruction by covering the costs associated with the use of various in-class and e-learning instructional materials, supplies, and technologies, as well as learning support resources, facilities, and student activities. The Sitka and Ketchikan campus

consolidated fee supports these specific student services: student government (Summer 2021 & Fall 2021 only), campus learning and testing center, campus computer lab, I.T. Helpdesk, and the campus library.

## Orientation Fee

As a part of the UAS Student Success tools, UAS campuses provide several Orientation experiences, including New Student Convocation, UAS 101 e-Orientation, and Engagement opportunities. The Orientation fee is mandatory for new UAS-Juneau students and voluntary for other students. The amount may vary by Orientation delivery method available and campus. Students should reach out to UAS Coordinator for Residence Life & First Year Experience with questions.

## Optional Student Alumni Fee (Juneau Fall Term Only)

*\$15 per year, optional\**

The optional student alumni fee is charged to students taking 6 or more credits during the fall semester. Students must notify the UAS Office of the Bursar / Student Accounts Cashiering (<https://www.uas.alaska.edu/student-accounts/>) or Alumni Office (<http://www.uas.alaska.edu/alumni/>) if they would like to opt out of the fee two weeks following the start of the Fall term. Students starting in the Spring will need to notify the UAS Alumni Office to request membership.

## Other Fees

**Certificate and Associate Level Admission Processing Fee:** \$40

**Bachelor Level Admission Processing Fee:** \$50

**Graduate Level Admission Processing Fee:** \$60

### Graduation Fee:

Undergraduate Associate, Bachelor, and Graduate Degree: \$50 (\$75 if late) payment due with application

Graduation fee covers: credit check, degree requirement audit and certification of eligibility to graduate

### Transcript Fee:

- A per-copy fee is charged for routine or rush processing and must be paid in advance.
- \$12 - Official Electronic Transcript (fastest way)
- \$15 Official Paper Transcript (normal processing, 5-7 business days)
- \$30 Official Paper Transcript (expedited, 24 hour processing)

### Challenge Course Examination Fees:

- \$50 per credit

### Credit for Prior Learning (CPL) Fees:

- Application Fee: \$75
- Lower Division Credit Fee: \$75/credit
- Upper Division Credit Fee: \$110/credit

**Lab/Material Fees:**

A lab/material fee may be charged for certain courses that require the use of special materials, supplies, services, or equipment as noted in course descriptions.

*\* Fee is refundable if student requests to opt out by the last day to drop classes with 100% refund. (See Academic Calendar (<https://www.uas.alaska.edu/calendar/academic.html>) for 100% refund dates.)*

**Credit Card Transaction Fee:**

- 2.85 percent (\$3 minimum)
- Any credit or debt card payments made via UAOnline.
- Fees charged by credit card company. The university does not receive any of this fee.

**Reinstatement Fee:**

- \$100
- Students dropped from classes due to nonpayment will be charged \$100 to have classes reinstated.

**Whale Card ID Replacement:**

UAS has a one card system. Students may apply for their Whale Card at the UAS Juneau Bursar's Office / Student Accounts Cashiering counter located in the Novatney building or by applying via email. It's your ID, Meal Plan and Key Access, all in one! We cannot print out a card with a revised name until the change has been made by the Registrar. Come see us on campus or check out our website for more information.

Your first card is free, replacement cards will incur a \$20 fee\*.

\*Fee may be waived if reprint is due to *exchange* for an old, non-functional or misnamed card.

**Returned Check Fee:**

- \$30
- If a check (or web check) is returned for any reason, a hold will be placed on the student's account which will prevent the student from registering, viewing grades, participating in graduation activities, and receiving transcripts until the account balance and fee is paid.

**Stop Payment Check Fee:**

- \$18.50
- If you notify the UAS Office of the Bursar / Student Accounts Office that you have not received the check due to an incorrect address, or the check has been otherwise lost, *the stop payment fee will be deducted from all reissued checks due to a stop pay request by the student.* Please be sure your current mailing address is on file.

**Student Housing Vehicle Registration:**

Student Housing residents may register one vehicle per student at Student Housing without a fee. Limits are one vehicle per single resident (no boats or trailers), and two vehicles for family residents. Students failing to register their vehicle will be

assessed a parking fee and may have their vehicle removed from the student housing lot.

**Monthly Bus Pass:**

- Monthly bus passes may be purchased at the UAS Juneau Office of the Bursar / Student Accounts Cashiering office in the Novatney building and are generally available starting the week prior to the 1st day of the month.
- Bus passes are good for unlimited riding during all month anywhere in the Juneau Borough.
- Students enrolled in 9 or more University of Alaska credits during the current semester may purchase a monthly bus pass at a discounted rate of \$20.00 (limited to one per month).
- Students enrolled in less than 9 credits may purchase a bus pass at a cost of \$40.00.
- Bus Passes may not be charged to a student account or paid for by financial aid.
- This is a benefit offered courtesy of the City & Borough of Juneau and is currently only available for students located on the Juneau Campus.

## Community Education, Sponsored, Non-academic and Self-Support Course Fees

As part of UAS' goal to offer inclusive and affordable education opportunities, collaborative sponsored courses are offered for exploratory, community interest, or professional development.

Sponsored courses, community education, special interest, or non-credit courses are not eligible for tuition waivers or Federal Financial Aid.

Special course offerings may not be dropped and are not refundable unless the University cancels the course, or the student officially drops the course prior to the first official day of the course. As referenced in the UAS Course Definitions section, such course offerings are numbered 001-049 or 500-599 for professional development.

Fees for non-academic, vocational/technical and special courses may vary with individual programs, delivery methods, and community campuses. Fees for these courses may be charged at a flat rate and are due by the published term due date or at the time of registration, whichever occurs last.

**Examples of Common Non-Academic Course Fees:****AKLA Course Fee**

\$75 per credit equivalence

Administrative fee for each equivalent of one credit hour of community education instruction. This fee structure is specific to community education courses offered in indigenous languages and Northwest Coast Arts and using subject description AKLA.

**Co-Sponsored Course Fee**

\$90 / 3 credits

\$100 / 4 credits

Administrative fee for credits granted for university-level course work that are co-sponsored by various organizations with which UAS has an ongoing relationship. A co-sponsored course is one in which an external entity bears most of all of the instructional costs. Co-sponsored courses that use UAS infrastructure will also be subject to the university consolidated fee in addition to the "co-sponsored course fee."

#### Dual Enrollment Course Fee

\$25 / credit

Administrative fee for courses offered specifically for and solely to current Alaska high school students. Dual enrollment courses are offered as an ongoing collaboration between UAS and specific Alaska school districts.

#### Alaska Advantage

The Alaska Advantage program encourages high school students to take any 100 or 200 level online courses offered by University of Alaska Fairbanks and University of Alaska Southeast. These college courses provide the opportunity for high school students to get a jump start on their college careers and meet high school requirements at the same time. Students who enroll in the Alaska Advantage Program can earn credits accepted at UAS and UAF, and these credits can also be transferred to other institutions of higher education. The cost is \$495 per three-credit course (not including textbooks and other course materials). For more information please go to (Alaska Advantage (<https://ecampus.uaf.edu/advantage/>)).

#### Professional Development Course Fee

\$45 / 1 credit

\$60 / 2 credit

\$75 / 3 credit

Administrative fee for continuing education courses offered on a self-support basis for various professional groups. Such courses are post-baccalaureate in nature, but cannot be applied towards degree programs. Professional development courses are identified by a course number ranging 500 – 599, and may be offered by UAS departments or in collaboration with groups that UAS has an ongoing relationship with.

## Senior Citizen Tuition Waiver Senior Citizens

Senior citizen tuition waiver (DocuSign)  
(<https://powerforms.docuSign.net/ed213d06-b0bd-4f35-be06-7f7716848a91/?env=na1&accountId=53b791d1-5d5b-4282-b568-c3325d21c5e3>)

Senior citizen tuition waiver PDF ([https://www.alaska.edu/student-services/staff/tuition\\_waiver\\_senior.pdf](https://www.alaska.edu/student-services/staff/tuition_waiver_senior.pdf))

The UA Board of Regents policy (<https://www.alaska.edu/bor/policy/05.10-Tuition%20and%20Student%20Fees.pdf>) waives regular tuition for Alaska residents who have reached age 65

years or older. Residents are eligible to utilize the Senior Citizen Tuition Waiver and enroll in UAS courses if:

- You are a permanent resident of Alaska;
- You are age 65 or older;
- There is space available (i.e., no waitlist) for the class you want ("Space available basis" means when courses can accommodate such students in addition to other enrolled students).
- **Senior citizens using tuition waivers may not register until the first day of semester course instruction.**

Senior citizens who register before these times are not eligible for the tuition waiver. Reimbursements will not be made to senior citizens who pay for a course and then request a waiver.

Nor will tuition waivers be granted if senior citizen students register early, drop and later re-add the class to take advantage of the waiver. **The waiver is for tuition only and does not cover lab or materials fees, the Campus Consolidated Fee, or the Network Charge.** Community Education, Sponsored, and Self-Support courses that do not incur published tuition or are self-support in nature are not eligible for senior tuition waivers.

Please submit waivers well in advance of the last day of registration to the UAS Office of the Bursar and Student Accounts at 11066 Auke Lake Way, Juneau, AK 99801 or [uas.cashier@alaska.edu](mailto:uas.cashier@alaska.edu)

## MBS Book Vouchers

UAS students with verified, unrefunded financial aid may apply for a book voucher as an advance against their aid by submitting a request online (<http://www.uas.alaska.edu/businessservices/books.html>)

- Only courses offered by one of the UAS campuses (Juneau, Ketchikan, Sitka) are eligible for a UAS MBS Direct bookstore voucher
- Student's financial aid must be awarded and accepted for that term
- Book vouchers are only issued through MBS Direct and are not currently available for any other book vendor
- Book vouchers may be used for new, used or rental textbooks
- Vouchers will be issued in an amount equal to new textbook costs plus shipping, for all UAS registered courses, not to exceed the amount of verified financial aid in excess of registration costs
- Students may contact the UAS Office of the Bursar and Student Accounts at (907) 796-6492 or [uas.textbooks@alaska.edu](mailto:uas.textbooks@alaska.edu) with any questions

## Student Refunds

Students who wish to drop courses must complete and submit a drop form through the Registrar's Office or may drop online at [UAOnline.alaska.edu](https://UAOnline.alaska.edu) (<https://UAOnline.alaska.edu>). Any debts owed to the University (any campus) by the student will be subtracted from the refund before a credit card refund, issuance of a check or direct deposit to the student, financial aid source,

or third-party payer is processed. Full or partial refund of tuition and fees will be made according to the schedule on this page.

- Self-support courses, sponsored, and correspondence courses offered have different refund policies and are not refundable as of the first day of instruction. Check with the Registrar's Office to determine the policy for specific self-support courses.
- Non-credit courses are self-support; minimum enrollment is required. To be eligible for a refund, students must drop the course on or before the official start date.
- The first day of instruction for semester-length courses is the first day of instruction listed in the official academic calendar.
- Registrations for courses by UAS, tuition and fees will be refunded in full.
- The date of the drop transaction determines eligibility for a refund.
- If registration is cancelled as a result of disciplinary action, students forfeit all rights to a refund of any portion of tuition and fees.
- Full term vocational/technical course fees are subject to this refund schedule.
- Department of Defense Tuition Assistance will be refunded on a proportional basis through at least the 60 percent portion of the period for which the funds were provided to the military Service Branch. TA funds are earned proportionally during an enrollment period, with unearned funds returns based upon when a student stops attending. In instances when a Service member stops attending due to a military service obligation, UAS will work with the affected Service member to identify solutions that will not result in student debt for the returned portion.
- In case the operations of UAS are adversely affected by war, riot, natural act, action of civil authority, strike or other emergency or condition, the University reserves the right to take action to curtail part of all of its operations, including action to cancel classes and action to discontinue services. In any case in which a significant curtailment is judged proper by UAS, the University's liability is limited to (at most) a refund of tuition and fees paid.
- Housing refunds: See Student Services section in this catalog or contact Student Activities.
- Due to financial regulations and University policy, refunds will be issued to the credit card(s) used to make payment on the account in the preceding 180 days. Students may not request exception to this policy.

## Student Financial Assistance and Tuition Assistance Refunds

- The Financial Aid Office begins disbursing aid onto students' accounts up to 10 days before the start of each term; however the actual receipt of aid is dependent on the completeness of each student's financial aid application and any additional requirements for each aid type. The UAS Office of the Bursar and Student Accounts will begin processing refunds as soon as funds are disbursed to a student's account. While refunds are usually processed within a week, during times of high volume, refunds may take up to 14 days from the date the funds are placed onto the student account. Students that make registration changes

after aid is applied may have their refund delayed if a review is deemed necessary.

- All refunds are subject to federal regulations. A refund received due to dropped classes or a total withdrawal may render a student ineligible for **current, past, or future** term scholarships or financial aid. As a result, funds may be returned to the lender or grantor pursuant to all applicable rules and regulations, resulting in a balance due to the university. Students are strongly advised to consult with the UAS Financial Aid department prior to making course changes.
- Students are highly encouraged to contact Financial Aid prior to dropping or withdrawing from classes to determine the impact of these actions.
- Any aid received through external funding (e.g., Department of Labor, Dept. of Vocational Rehabilitation, Military Tuition Assistance programs) will generally be returned to the original funding source within Title IV regulation 14 day time frame. Students receiving this form of aid should contact their campus representative for more assistance.
- Students should review the section on Return of Title IV Funds Policy for more information.

## Refund Processing

- During the first two weeks before and the first two weeks of each semester a high volume of refunds are processed in the order in which the aid has been applied. Refunds are processed weekly during the remainder of the school year.
- Student term charges paid by credit card within the past 90 days, or up to 12 months, will have the credit card refunded first, up to the amount charged.
- Direct Deposit is highly recommended to avoid lost or delayed refunds! Students can setup Direct Deposit to have funds electronically deposited into their bank account of choice. It's simple, safe, and convenient. Enrollment is available through our secure self-service website. Direct deposit sign up is located under the "Student Services & Accounting Information" menu on UAOnline. (<http://uaonline.alaska.edu>). Direct deposits are generally reflected in a student's bank account 3 business days from the refund processing date.
- Refund checks will be issued to students and will be mailed to the address on record. Students with non-local addresses should expect to have their checks mailed, regardless of course location. It is the student's responsibility to ensure their mailing address on record is current and accurate.
- Students should check UAOnline (<https://www.alaska.edu/uaonline/>) for the most up-to-date information. If the "Current Amount Due" shows as a negative balance, financial aid has been posted and a refund will be processed. Once the "Current Amount Due" shows a zero balance, the refund has been processed.
- Refund checks for credit balances, not due to Title IV Financial Aid, will not be issued for amounts less than \$10, but are eligible for direct deposit. Students with any refund questions should contact the UAS Office of the Bursar and Student Accounts at (907) 796-6267 or email at [uas.cashier@alaska.edu](mailto:uas.cashier@alaska.edu)

## Refund Eligibility Schedule

Course Length	100% Refund Tuition & Fees	No Refund
Semester-length courses (Fall and Spring only)	Prior to and during the first 2 weeks of instruction for the semester	On the first calendar day after the second week of instruction for the semester
Credit courses meeting 12 or more times but less than a semester	Prior to the 3rd class meeting, or check online or with the Registrar's Office	On or after the day of the 3rd class meeting, or check online or with the Registrar's Office
Credit courses meeting 5-11 times	Prior to the day of the 2nd class meeting	On or after the day of the 2nd class meeting
Credit courses meeting less than 5 times	On or before the first day of the course	
E-Learning courses with no designated class meetings, to be determined by campus.	Within 7 to 14 calendar days from the later of student's registration date or the first day of instruction for the semester.	

## Petition for Refunds

### Petition for Refund

In the event of extenuating circumstances, a student or person with legal authority to act on behalf of a student, may petition for an exception to University policy on refunds of tuition and fees. Petitions are not automatically granted but will be considered in light of the criteria set forth below and the individual circumstances of the request. Being unaware of university procedures or deadlines does not constitute justification for refund. Refunds are rarely granted and only when extenuating circumstances are documented. UAS Petitions (<https://www.uas.alaska.edu/forms/documents/petition.pdf>)

1. Only requests submitted by the student or by a person with legal authority to act on behalf of the student will be considered.
2. The deadline to submit a Petition for Refund is no later than one academic year following the semester in which the course was offered. Requests that are not received within this time frame will not be considered.
3. Refunds will not be considered for courses in which a student received a passing grade, an Incomplete, or for which a Deferred or Audit grade exists. In situations that a tuition refund is approved, Financial Aid regulations do not allow for course(s) that have been issued a grade be dropped from transcripts or satisfactory academic progress (SAP) reporting.
4. Decisions will be made solely on supporting documentation provided. In all cases a personal statement from the student is required summarizing the situation and explaining the need for an exception to the refund deadline.
5. A request will only be approved if the petitioner can demonstrate unanticipated and unavoidable circumstances beyond the student's control that arose or came to light after published deadlines. Work-related issues, financial hardship,

and failure to read UAS' documents generally do not present justifiable reasons to support a refund request.

6. Petitions for refund for self-support courses are generally not allowed and must have approval of the academic unit/department chair or director.
7. Mandatory Student Fees are not refundable unless a student drops all courses during the 100% refund period.
8. If the petition for refund is approved, the university has an obligation to issue refunds to the original funding source, e.g., credit card, financial aid, granting agency, lending agency, etc.
9. Submitted, completed petitions are generally reviewed weekly. The complexity, completeness, and the number of petitions in review will determine the response time frame. All charges are considered true and correct and are therefore not suspended during the review process. The university reserves the right to move forward on all collection efforts during the review process.
10. Requests for reconsideration of an adverse decision must be in writing to the UAS Vice Chancellor of Administration within 30 days of the day the decision is mailed or otherwise distributed to the student. Letters should address what the petition committee decided in error based upon university policy, or for what reason the University should make an extraordinary exception to its published policies. It is encouraged to provide any documentation that supports the claim. <https://uas.alaska.edu/student-accounts/petition-and-appeals.html>
11. Complaints about dissatisfaction with academic courses, methods of course delivery or instructor performance are not considered under this process. Depending on the nature of the complaint, these matters are considered according to the Student Dispute/Complaint Resolution Process or the Academic Dispute Resolution Procedure, which can be found in the <http://catalog.uas.alaska.edu/student-rights-responsibilities/>

### Military Students Called to Active Duty or Deployment

Students called to active duty or involuntarily activated, deployed or relocated during an academic term are eligible for 100 percent refund of tuition and fees, and a prorated adjustment on housing and meal plans.

## Resident and Non-Resident Tuition

Students who qualify for resident status should file an application for residency for the term they plan to attend, with required documentation at the appropriate university office prior to the published end of the add/drop period for regular semester-length courses.

The following is a summary of the Board of Regents policy to determine whether you are eligible for resident tuition. Students eligible for Alaska resident tuition must be United States citizens or eligible non-citizens and include those who:

- Received or have been qualified to receive an Alaska Permanent Fund Dividend within the last 12 months.
- Have graduated in the last 12 months from a qualified Alaska high school.

- Have been physically present in Alaska for the past two years.
- Are active-duty military personnel or members of the National Guard, or their spouses or dependent children.
- Are students from foreign cities and provinces that have established sister city or sister province relationships with the state of Alaska or Alaska municipalities, and have been approved by the president.
- Are participants in the UA Scholars program.
- Are participants in the University of Alaska College Savings Plan program who meet eligibility criteria as established by the Education Trust of Alaska.
- Are dependent children of a person who holds an associate, baccalaureate, or graduate degree from the University of Alaska.
- Are dependent children of an Alaska resident, as evidenced by the most current federal income tax return filed within the past 16 months.
- Are participating in the Western Interstate Commission on Higher Education (WICHE) or Western Regional Graduate Program (WRGP).
- Are enrolled in four or fewer credit hours within the UA system.
- United States veterans eligible for a Veterans Administration education benefit, and their spouse and dependent children.
- Come Home to Alaska; the University of Alaska is offering the resident tuition rate to any student whose parent, grandparent, or great grandparent is a current Alaska resident. To receive this special tuition rate students must move to and reside in Alaska. Students may receive this tuition rate until completion of the program as long as they remain continuously enrolled at UAS.

- student's permanent employment in Alaska for at least the prior two years; or
- other documentation of Alaska residency for the two prior years deemed satisfactory by the UAS Office of Admissions.

Students applying for resident tuition assessment must file a residency form with the UAS Registrar before the published end of the add/drop period for regular semester-length courses for the semester for which residency is sought. Failure to file and provide adequate proof of physical presence by this date will waive any claim that the student was eligible for resident tuition assessment for that semester or prior semesters unless otherwise determined by the UAS Registrar or UAS Petition committee.

Residency criteria, as paraphrased above, are determined by UA Board of Regents residency policy and regulations found at Chapter 05.10. Tuition and Student Fees (<https://alaska.edu/bor/policy/05.10-Tuition%20and%20Student%20Fees.pdf>). For more information and applications, students should contact the UAS Registrar's Office.

## UAS Academic Year 2021-2022 Tuition Schedule

### Resident Tuition

Credit Hours	Lower Division (000-299)	Upper Division (300-499)	Graduate (600-699)
1	\$234	\$282	\$513
2	468	564	1026
3	702	846	1,539
4	936	1,128	2,052
5	1,170	1,410	2,565
6	1,404	1,692	3,078
7	1,638	1,974	3,591
8	1,872	2,256	4,104
9	2,106	2,538	4,617
10	2,340	2,820	5,130
11	2,574	3,102	5,643
12	2,808	3,384	6,156
13	3,042	3,666	6,669
14	3,276	3,948	7,182
15	3,510	4,230	7,695

Additional credits are assessed at \$234 per credit for lower division, \$282 for upper division, and \$513 for graduate credits.

WGRP tuition is assessed at the resident rate. WUE student tuition is assessed at 150% of residential tuition. Tuition Schedule is subject to change.

**Note: Audited credits are charged at the same rate as other credits.**

### Students will be considered "non-resident" if, within two years prior to applying for residency, they:

- were absent from Alaska for an aggregate of more than 120 days for other than documented absences due to illness or attendance at another educational institution while maintaining Alaska residency
- committed any act inconsistent with Alaska residency, such as claiming residency in another state or voting as a resident of another state;
- were claimed as dependent children of a non-resident of Alaska for federal income tax purposes during the most recent tax year.
- registered as or paid resident tuition at an educational institution in another state; or
- paid tuition at the University of Alaska at the Western Undergraduate Exchange program rate.
- students having non-immigrant visa status are not eligible for Alaska residency.

To prove physical presence, students must provide documentation of one of the following:

- student moved household goods to Alaska at least two years ago;
- student's lease, rental or ownership of real property in Alaska for at least the prior two years;

## Non-Resident Tuition

Credit Hours	Lower Division (000-299)	Upper Division (300-499)	Graduate (600-699)
1	\$234	\$282	\$513
2	468	564	1,026
3	702	846	1,539
4	936	1,128	2,052
5	4,000	4,240	5,395
6	4,800	5,088	6,474
7	5,600	5,936	7,553
8	6,400	6,784	8,632
9	7,200	7,632	9,711
10	8,000	8,480	10,790
11	8,800	9,328	11,869
12	9,600	10,176	12,948
13	10,400	11,024	14,027
14	11,200	11,872	15,106
15	12,000	12,720	16,185

Additional credits for non-residents are assessed at \$800 per credit for lower division, \$848 for upper division, and \$1,079 for graduate credits. Non-residents may take up to 4 credits per semester at the resident rate: however, additional credits may cause all credits, including the first four, to be reassessed at the non-resident rate.

## Western Undergraduate Exchange

Alaska is one of 12 participating western states in the Western Undergraduate Exchange (WUE) program. The following participate in WUE: Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Mariana Islands, Guam and Wyoming. In addition, Washington, Arizona and California are treated like WUE states by Board of Regents policy. Residents of the 14 states and Guam and the Mariana Islands listed above pay at 150% of the in-state credit hour rate. WUE students remain as WUE and are **not eligible for Alaska residency tuition rates**.

To be admitted as a WUE student, an eligible applicant must attach a WUE request form to his or her application for admission requesting to be admitted under the WUE program. Programs available to WUE students on a space-available basis:

### UAS Programs

#### Associate of Arts

#### Associate of Applied Sciences

- Applied Fisheries
- Business Administration
- Construction Technology
- Health Information Management
- Health Science
- Power Technology

#### Associate of Science

#### Bachelor of Art in Biology

#### Bachelor of Art in Elementary Education

#### Bachelor of Art in English

#### Bachelor of Art in Environmental Studies

#### Bachelor of Art in Social Science

#### Bachelor of Art in Special Education

#### Bachelor of Business Administration

#### Bachelor of Liberal Arts

#### Bachelor of Science in Biology

#### Bachelor of Science in Environmental Science

#### Bachelor of Science in Environmental Resources

#### Bachelor of Science in Marine Biology

#### Bachelor of Science in Mathematics

## Western Undergraduate Exchange (WUE): Fall 2021/Spring 2022 Estimated Expenses

### Undergraduate

Based on 12 credit hours/semester

	Living at home with parents without dependents	Living in on-campus housing without dependents	Living away from parents without dependents OR with dependents in ANY housing
Board	\$4,458	\$4,000	\$4,458
Books	\$1,400	\$1,400	\$1,400
Student/Course Fees	\$1,460	\$1,460	\$1,460
Personal	\$2,048	\$2,048	\$2,048
Room		\$5,800	\$6,414
Transportation	\$1,668	\$400	\$1,668
Tuition	\$8,868	\$8,868	\$8,868
<b>Total Costs</b>	<b>\$19,902</b>	<b>\$23,976</b>	<b>\$26,316</b>

NOTE: Figures were calculated in using forecasted rates. Please contact the Financial Aid Office for an explanation of the assumptions made in determining these Cost of Attendance Budgets.

Western Undergraduate Exchange program: residents of Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Commonwealth of the Northern Mariana Islands, and Wyoming and are eligible to pay the resident tuition rate plus 50 percent per credit at UAS if they apply and are accepted for admission under the WUE program.

## Payment Plans

### (Juneau, Ketchikan, and Sitka)

The University of Alaska Southeast offers interest free monthly payment plan options as a way to spread education expenses over the semester instead of one large payment at the beginning of each semester.

- Term plans offer plans with 3, 4 or 5 payments for a single term during the academic year.
  - Students can setup the payment plan to auto deduct from a bank account, or automatically charge a credit card.
  - Plans are available to students admitted to UAS. Students in UAA or UAF programs should review payment plans offered at their respective campus.
  - Students with verified and compliant plan enrollments prior to the term payment deadline are exempt from university late fees and drop for non-payment processes.
  - Monthly payments are based on term expenses divided by the number of payments to be made. Students enrolling into a plan after its initial start date will need to make up the back payments to bring the payment plan current.
  - UAS Payment Plan enrollment fee is \$50.
  - Scheduled automatic installments are required for all plans.
  - Plans have a \$25 late fee charge for students whose payments are not completed as scheduled.
  - Plan information and step-by-step directions are available on our website <https://www.uas.alaska.edu/student-accounts/uas-payment-plans.html>
  - View or enroll in a term payment plan through UAOnline (<https://www.alaska.edu/uaonline/>)
2. Setup a University of Alaska payment plan using UAOnline. Additional information on the UAS website <https://www.uas.alaska.edu/student-accounts/uas-payment-plans.html>
  3. Pay in person with check, money order, cash, debit or credit card at the UAS Office of the Bursar Cashiering in the Novatney Building.
  4. Send a check or money order to UAS Office of the Bursar, 11066 Auke Lake Way, Juneau, AK 99801. Please be sure to include the student ID number of the account you would like credited.
- UAS reserves the right to withhold final grades, transcripts, diplomas, or other services from students who have not fulfilled all their financial obligations to the institution.
  - Students that owe a balance for housing may be served with eviction notice and forfeit their security deposit.
  - Student balances for any charges owed to the university, other than tuition and fees or financial aid reversals, are due within 30 days.
  - Any charges unpaid at the end of the semester are due and must be paid before you can enroll in future courses. If you owe money to the university and submit an enrollment form and payment for the current semester, you will not be enrolled in your classes; instead the payment will be applied toward the outstanding balance.
  - Students are held financially responsible for all courses for which they register. Past due accounts may be sent to a collection agency and reported to the credit bureau. Interest, late fees and / or collection costs will be added to a student's account, which may be based on a percentage at a maximum of 40% of the debt. For questions about past due accounts, contact Cashiering staff in the Office of the Bursar at [uas.cashier@alaska.edu](mailto:uas.cashier@alaska.edu).
  - The university is authorized to garnish Alaska Permanent Fund dividends for payment of past due accounts under Alaska Statutes 14.40.251 and 43.23.190.
  - Debts arising from deferred payment agreements of any type or from contractual agreements, such as housing contracts, are legal obligations to UAS and are subject to the same collection processes as tuition and fees. It is important to read any contract thoroughly and to ask any questions before signing any form.
  - A fee of \$30 will be assessed for any check or e-check payment returned for any reason. Students who do not repay such checks will receive notice. If payment is not made by the date specified, collection proceedings will be instituted. Note: The University may withhold a student's access to grades, diplomas, and transcripts until all debts to the University (any campus) are paid.

## Financial Obligations and Payments

Each semester has a published fee payment due date. Failure to pay in full or to make other payment arrangements by the published fee payment deadline for each term may result in cancellation of your class schedule.

Students that register for late starting courses after the published term payment due date are responsible for paying tuition and fees at the time of registration. Such late registrations unpaid may have their registration cancelled or a Bursar's Financial Hold placed on their student account.

It is the student's responsibility to make payments by the published due date. An electronic bill is generated after the 15th of each month and an email reminder is sent to the student UA assigned e-mail addresses. Additionally, the bill is available via UAOnline. Students who do not repay amounts by the designated due date will receive one additional notice. Balances outstanding after 180 days are eligible for collection proceedings, which may include garnishment of student's Alaska PFD, to collect the debt.

GI Bill® and Vocational Rehab beneficiaries (Chapter 33 and Chapter 31) may attend courses for up to 90 days from the date the beneficiary provides a certificate of eligibility, or valid VAF 28-1905 to the university. UAS will not impose a penalty, or require the student to borrow additional funds to cover tuition and fees due to late payments from VA.

### 4 ways to pay your bill:

1. Online at UAOnline (<https://www.alaska.edu/uaonline/>); payment by credit/debit card includes a non-refundable service fee of 2.85% of the transaction amount or \$3, whichever is greater. Web check (E-Check) payments can be made on UAOnline and will not be assessed the service fee and will remain **free**.

"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill/>" (<https://benefits.va.gov/gibill/>)

# Academic Calendar 2021-2022

## Summer 2021

May 1	Last Day to Apply for Summer Admissions
May 10	Financial Aid Disbursement on Student Accounts for Summer 2021
May 10-July 31	Full Summer Session
May 10-June 19	Summer Session One
May 14	Web registration ends
May 14	Deadline for 100% Tuition & Fees Refund for Summer Session One Classes
May 21	Deadline for 100% Tuition & Fees Refund for Full-Term Classes
May 21	Tuition & fees due for Summer semester (registration after requires full payment)
May 28	Deadline to Withdraw from Summer Session One Classes
May 31	Memorial Day Holiday (campus closed)
June 21-July 31	Summer Session Two
June 25	Deadline for 100% Tuition & Fees Refund for Summer Session Two Classes
July 1	Graduation applications due for Summer
July 2	Deadline to Withdraw from Full-Term Classes
July 5-6	Independence Day holiday (campus closed except Housing on Juneau campus)
July 9	Deadline to Withdraw from Summer Session Two Classes
July 19	Deadline for late applications for summer graduation (additional fee applies)
Aug 4	Grades Due posted on UAOnline
Aug 15	Deadline to Apply for Fall 2021 Admissions

## Fall 2021

Aug. 13	Financial Aid Disbursement on Student Accounts for Fall 2021
Aug. 15	Deadline for Fall Admissions Application
Aug. 19	Housing Move-in (new students)
Aug. 20-21	New & transfer student orientation
Aug. 23	First day of instruction
Aug. 27	Web Registration Ends at Midnight for Short-Term Classes
Aug. 29	Web Registration Ends at Midnight for Full-Term Classes (deadline to add classes via-web)
Sept. 3	Deadline to Drop with 100% Tuition and Fees Refund for Full-Term Classes (last day to drop classes via web)
Sept. 3	Deadline to change credit or audit status for full-term classes
Sept. 3	Tuition & Fees due for Fall Semester (registration after requires full payment)
Sept. 6	Labor Day Holiday (campus closed)
Sept. 6	Withdraw period begins for full-term classes
Oct. 1	Graduation applications due for Fall

Oct. 25	Spring Class Schedule Available for View on UAOnline
Oct. 29	Deadline to withdraw from full-term classes
Oct. 31	Deadline for late applications for Fall graduation (additional fee applies)
Nov. 8	Spring registration begins (UAS program students)
Nov. 22	Spring registration begins (all students)
Nov. 24	Non-Teaching Day
Nov. 25-27	Thanksgiving Closure (campus closed excluding some services, see online calendar for details)
Dec. 4	Last Day of Instruction
Dec. 6-11	Final Exam Week
Dec. 15	Deadline to apply for Spring admission
Dec. 15	Grades due by noon (posted on UAOnline or to Registrar's Office)
Dec. 23-Jan. 2	Winter break (campus closed excluding some services, see online calendar for details)

## Spring 2022

Dec. 15	Deadline for Spring Admission Application
Jan. 3	Campus open
Jan. 5	Financial Aid Disbursement on Student Accounts for Spring 2022
Jan. 6	Housing move in (new and returning students)
Jan. 7-8	New & transfer student orientation
Jan. 10	First day of instruction
Jan. 14	Web Registration Ends at Midnight for Short-Term Classes
Jan. 16	Web Registration Ends at Midnight for Full-Term Classes (deadline to add classes via web)
Jan. 17	Alaska Civil Rights Day holiday (campus closed excluding some services, see online calendar for details)
Jan. 21	Deadline to Drop with 100% Tuition & Fees Refund for Full-Term Classes
Jan. 21	Deadline to change credit or audit for full-term Classes
Jan. 21	Tuition & fees due for Spring semester (registration after requires full payment)
Jan. 22	Withdraw period begins for full-term classes
Feb. 1	Graduation applications due for Spring
Feb. 7	Summer Class Schedule Available for View on UAOnline and UAS Schedule
Feb. 14	Summer Registration Begins (UAS program students)
Feb. 15	Deadline for Scholarship Applications (including UA Foundation)
Feb. 28	Summer Open Registration Begins (all students)
Mar. 1	Deadline for late applications for spring graduation (additional fee applies)
Mar. 7-11	Spring Break
Mar. 11	Campus Closed (some services may be available, see online calendar for details)

Mar. 21	Fall Class Schedule Available for View on UAOnline and UAS Schedule
Mar. 25	Deadline to Withdraw from Full-Term Classes
Apr. 4	Fall Registration begins (UAS program students)
Apr. 18	Fall Registration begins (all students)
Apr. 25	Last Day of Instruction
Apr. 26-30	Finals Week
Apr. 29	Commencement: Sitka
Apr. 30	Commencement: Ketchikan
May 1	Commencement: Juneau
May 4	Grades Due by Noon (posted on UAOnline)

## Summer 2022

May 1	Last Day to Apply for Summer Admissions
May 16	Financial Aid Disbursement on Student Accounts for Summer 2022
May 16- August 6	Full Summer Session
May 16-June 25	Summer Session One
May 20	Web registration ends
May 20	Deadline for 100% Tuition & Fees Refund for Summer Session One Classes
May 27	Deadline for 100% Tuition & Fees Refund for Full-Term Classes
May 27	Tuition & fees due for Summer semester (registration after requires full payment)
May 30	Memorial Day Holiday (campus closed)
June 3	Deadline to Withdraw from Summer Session One Classes
Jun. 27- August 6	Summer Session Two
July 1	Deadline for 100% Tuition & Fees Refund for Summer Session Two Classes
July 1	Deadline for Summer Graduation Application
July 4-5	Independence Day holiday (campus closed except Housing on Juneau campus)
July 14	Deadline to Withdraw from Full-Term Classes
July 16	Deadline to Withdraw from Summer Session Two Classes
July 19	Deadline for Late Summer Graduation Application (additional fee applies)
Aug 10	Grades Due by Noon (posted on UAOnline)
Aug 15	Deadline for Fall Admission Application

Current academic calendar (<https://uas.alaska.edu/calendar/>)

**This calendar represents the framework of the academic year. Specific courses or programs may start or end on different dates. Please consult a current UAS class Schedule for more specific information.**

**Calendar is subject to change.**

# STUDENT SERVICES

- Academic Advising (p. 40)
- Academic Services (p. 40)
- Career Services (p. 44)
- Counseling Services (p. 44)
- Disability Services (p. 45)
- Exchange and Study Abroad Opportunities (p. 45)
- Food Service (Juneau) (p. 45)
- Health Services (Juneau) (p. 46)
- Housing (Juneau) (p. 46)
- Native and Rural Student Center (Juneau) (p. 47)
- Recreation Center (REC) (Juneau) (<https://uas.alaska.edu/juneau/rec/>)
- New Student Orientation (p. 47)
- Student Engagement and Leadership (p. 47)
- Student Resource Center (p. 48)
- Veterans Services (p. 48)

## Academic Advising

Each University of Alaska Southeast campus provides academic advising for new, returning and transfer students. Academic advisors are available to help students plan their program of study, and make informed choices about courses. Although students are fully responsible for their academic decisions, they should recognize the advantages of close cooperation and understanding between themselves and their advisors. Advisors assist students in selecting semester courses, planning their academic program and explaining University requirements and policies.

Academic advisors are assigned at the time of admission. Students will be assigned to the Student Resource Center (for their first semester or more), to department advisors in a particular school, or to a faculty advisor depending upon the student's program of study. All first year (less than 30 transfer credits), degree-seeking students are required to work with an academic advisor for their first academic year.

Bachelor degree-seeking students who are unsure what degree they would like to pursue should choose the Undeclared option on the application for admission. The advisors in the Student Resource Center are trained to assist in transitioning undeclared students to a degree program within their first 60 credits at UAS. For more information about academic advising at UAS, visit our website at: [uas.alaska.edu/advising](https://uas.alaska.edu/advising) (<https://uas.alaska.edu/advising/>).

### Juneau:

Student Resource Center (907) 796-6000 / Toll Free: 1-887-465-4827  
[uas.info@alaska.edu](mailto:uas.info@alaska.edu)

### Ketchikan:

Student Resource Center (907) 228-4511 / Toll Free: 1-888-550-6177  
[ketch.info@alaska.edu](mailto:ketch.info@alaska.edu)

### Sitka:

Sitka Advisors (907) 747-7777 / Toll Free: 1-800-478-6653  
[sitka.advising@alaska.edu](mailto:sitka.advising@alaska.edu)

## Academic Services, Libraries and Learning Centers

### Information Technology Services

UAS has long been a leader in the innovative use of technology in education, and students are encouraged to use advanced technology effectively in all classes and all degree programs.

### Technology Highlights

UAS has high-speed wireless access to all campus buildings. UAS has multiple mobile laptop carts and mobile printers that can be set up in most classrooms. Students can take laptops anywhere on their campuses and access campus services or surf the web.

### Media/Broadcasting

Students in Juneau can earn money while receiving on-the-job training in television broadcasting. A fully-equipped broadcast television facility is located in the Egan Library. UAS broadcasts live courses via satellite and coordinates the University of Alaska Television Network for the UA system. Color as well as black and white printing is available to students from a number of locations around campuses.

### UASOnline!

Students on all campuses are able to use the UAS web portal to access course materials, submit homework, and chat with other students. A page is automatically created for every course and students can create additional pages for academic work and personal expression. Blogs, personal portfolios, wikis, and social networking are some of the tools for the UAS community available through UASOnline! Log in at: [uas.alaska.edu/online](https://uas.alaska.edu/online) (<https://uas.alaska.edu/online/>)

### UASHome/E-mail

Every student is provided one hundred fifty megabytes of storage space to store documents and support a personal web site. In addition, every student automatically receives an individual E-mail account and calendar.

### UAOnline

Why wait in line? Students can register and pay for classes, check grades or transcripts, and update their personal information online at any time. Access to everything in one place like grades, DegreeWorks, class schedules and much more at UAOnline. Log in at [uaonline.alaska.edu](http://uaonline.alaska.edu) (<http://uaonline.alaska.edu>).

**Help is on the way:** A technology Helpdesk is staffed seven days a week. The Helpdesk can provide assistance in-person, through e-mail, or over the telephone. Students outside of Juneau may call toll-free 1-877-465-6400.

## Student Involvement

UAS encourages students to become involved. Students contribute directly to the continuing success of the campus. Students help guide technology decisions through the Teaching, Learning & Technology Roundtable (TLTR). In addition, students

are encouraged to work directly in the IT department. IT Services provides many paid positions for students. On-the-job training is provided in computer repair, customer service, video production, server and network administration. The IT Services staff enjoy taking part in campus activities and helping make UAS an exceptional place to learn, work, and live.

## Libraries

### William A. Egan Library (Juneau)

The William A. Egan Library supports scholarship, research, and creative activities at the University of Alaska Southeast by providing relevant, diverse, and well-maintained collections, by helping individuals evaluate and efficiently use those resources, and by creating a welcoming environment for all.

**Facility:** Egan Library is an architecturally impressive structure that houses the collections, Learning Center, Writing Center, the Center for Excellence in Learning and Teaching (CELT), and a significant collection of Northwest Coast Native Art.

The Egan Library provides and facilitates the use of technologies such as digital collections, laptop computers, scanners, and printers, to support study and research. The facility includes both individual and group study spaces in addition to conference rooms, many of which are equipped with technology that assists students in developing media presentations and engaging in e-Learning activities.

**Collections:** Egan Library's current collection includes 153,000 print volumes and about 198,000 ebooks. The library maintains a small number of print journal subscriptions including Alaska-specific journals, magazines, and newspapers. We rely on 122 databases and Open Access journals to provide online full-text access to over 78,000 ejournals and other electronic resources, including streaming videos. OneSearch allows simultaneous searching of the library catalog and most of the databases. The UAS community has access to local and regional resources via the online library catalog and to global resources through OCLC WorldCat (a catalog of national and international library holdings). The Library seeks out and facilitates cooperative relationships locally, regionally, and statewide to build its collections and to provide additional services. The Library shares an online catalog and circulation system with the Alaska Library Catalog (ALC) consortium that includes the Juneau, Anchorage, Fairbanks, Mat-Su, Sitka, and other Public Libraries; University of Alaska Anchorage, University of Alaska Fairbanks, the UAA and UAF community campuses, and Tuzzy Consortium Library at Ilisaġvik College; and special libraries like the Alaska State Library, Sealaska Heritage Institute, and the Anchorage Museum. UAS students, faculty and staff, as well as members of the community, may borrow materials from all of these libraries. A daily courier delivers requested materials from within Juneau, and other materials are sent in the mail for pickup at the library. The Sealaska Heritage Institute is an ALC participant; their collection does not circulate but their holdings appear in the catalog and all are welcome to visit the library and use materials there. As a federal depository library, Egan Library receives a broad range of U.S. Government documents both in print and online. The library catalog and online resources are available from the Library web site at: [uas.alaska.edu/library](https://uas.alaska.edu/library) (<https://uas.alaska.edu/library/>). Egan Library also facilitates and supports scholarly communication/research on campus

through contributions to ScholarWorks@UA, the University of Alaska's institutional repository created to preserve and share our electronic research and institutional materials. In ScholarWorks@UA you'll discover a growing number of papers, publications, archival collections, dissertations, theses, and more!

**Services and Instruction:** Library staff ensure that the UAS community has access to materials not available locally. An efficient interlibrary loan service brings materials from other domestic and foreign libraries in either electronic or print formats. Staff offer personalized reference services during all hours the Library is open and respond to phone, chat and e-mail inquiries. In addition, library faculty offer e-Learning and face-to-face instruction in information literacy to individuals and classes to develop critical thinking skills and independent learning. Faculty librarians also teach for-credit classes in information literacy and library research skills. The library hosts a variety of events sponsored by UAS departments as well as by Juneau community organizations. From literary readings and lectures to symphony concerts, the Egan Library serves as a cultural venue for the campus and greater Juneau community. These activities are typically scheduled outside of open library hours to prevent disruption to student learning.

**Hours:** Egan Library is open seven days a week, including evening and weekend hours, during Fall and Spring Semesters. The library is also open for extended evening and weekend hours prior to finals.

Monday-Thursday	9:00 a.m. - 7:00 p.m.
Friday (Virtual Only)	9:00 a.m. - 5:00 p.m.
Sunday	1:00 p.m. - 7:00 p.m.

Hours vary during Intersession, Spring Break, and Summer Session.

Tel: (907) 796-6300. Toll free in Alaska: 1-877-796-6502. Fax: (907) 796-6302.

### Ketchikan Campus Library

The Ketchikan Campus Library is located on the second floor of the A.H. Ziegler Building at the upper campus on Seventh Avenue. The library provides a vibrant atmosphere with comfortable furniture, head-turning displays, and quiet study areas with both group and individual study areas. The collection contains more than 31,000 books on the shelf as well as a small collection of print journal subscriptions. In addition, the Campus Library provides its students with access through its website to the many online databases and thousands of e-books available to all UAS students.

The UAS Ketchikan Campus Library provides a warm and friendly atmosphere for student learning, study and collaboration, and it is the gateway for the public to interact with UAS in Ketchikan.

The Campus Library hosts the speaker series Ask UAS: Where Ketchikan Finds Answers, which often features UAS Ketchikan faculty as speakers, but also invites members of the Ketchikan community to speak about their areas of expertise. The public is always invited.

The Ketchikan Campus Library provides faculty, students, and community members with access to the Internet and electronic

resources to which UAS subscribes, nearly all of which are accessible to students and faculty from off-campus. The Campus Library's web site may be found at <http://www.ketch.alaska.edu/library/>. The staff of the Campus Library offers information literacy instruction to its students, delivered both individually and to full classes, face to face, on Blackboard Collaborate and by email, phone and chat.

The Ketchikan Campus Library participates in an active interlibrary loan program and is an OCLC member library.

Monday-Friday 9:00 a.m. - 5:00 p.m.

Hours vary during intersession, spring break and summer sessions.

Tel: (907) 228-4567. Toll free in Alaska: 1-888-550-6177. Fax: (907) 228-4520.

## Sitka Campus Library Services

In addition to the full range of e-Learning resources and assistance that Egan Library provides, Sitka students also have access to the Sitka Public Library, which is part of the Alaska Library Catalog (ALC) system. In addition to 50,000 plus titles in the Sitka Public Library, Sitka students can use the ALC to request academic library materials from libraries across the state. Workstations are also available for access to online databases.

## Learning Centers

### Juneau Campus Learning Center and Testing Center Learning Center

As a primary hub of academic support services on the Juneau campus, the Learning Center serves the following functions for UAS students:

**Mathematics Tutoring:** Tutors offer drop-in help for all levels of UAS mathematics courses at all times the Learning Center is open. Students only need to raise their hand to ask for assistance. Tutors focus on developing problem-solving techniques and critical thinking. During Covid-19, services will be provided through Zoom and email when in-person appointments are not possible.

**Subject Tutoring:** Departments sponsor tutors in subjects such as accounting, chemistry, biology, psychology, Spanish, and more. Subject tutors post scheduled hours near the beginning of each semester.

**Study Strategies Coaching:** Offering one-on-one help with study strategies such as note-taking, test-taking, reading strategies, time management, and stress management.

**In-house library:** Current copies of mathematics textbooks are available for in-room use. Students can also check-out a wide variety of extra textbooks for reference use or for placement test preparation.

**Computer/printer use:** Students are welcome to use our computers. Printing is available for a fee.

**Study Space:** Even if students do not use the services listed above, the Learning Center is a great study space to work on homework alone or with a group!

### Testing Center

The following testing services are available to UAS faculty and students, as well as to the Juneau & regional community at large:

**Placement Testing:** New UAS students will need to complete the ALEKS Math Placement Test (<https://www.alaska.edu/aleks/take-the-placement-test/>) and the Writing Directed Self Placement ([https://www.uas.alaska.edu/academic\\_advising/self-placement-introduction.html](https://www.uas.alaska.edu/academic_advising/self-placement-introduction.html)). You *may not* need to take a placement test if you have...

- taken the College Entrance Examination Board (CEEB) Advanced Placement Exam with a score of 3 or higher. For details see the UAS Catalog, Advanced Placement Credit (<http://catalog.uas.alaska.edu/registration/credit-by-examination/#advancedplacementcredithroughcollegeentranceexaminationboard>)
- ACT, SAT, or Accuplacer scores, see our placement table (<https://uas.alaska.edu/testing-services/placement-testing.html#placement-scores>) for details.
- taken the CLEP English Composition with Essay and scored 500 points or higher; or taken a Math CLEP and scored 50 points or higher. For details see the UAS Catalog, College-Level Examination Program (CLEP) (<http://catalog.uas.alaska.edu/registration/credit-by-examination/#collegelevelexaminationprogramcleptext>)
- or if you have passed an English/writing or math class at another university (with a grade C or better). For details see the UAS Transfer Credit Policy (<https://www.uas.alaska.edu/registrar/transfer-credits.html>).

The CIS Placement Exam is **not** required. However, if you are planning on taking computer classes (CIS, CS, etc.), you will need to either take CIS 105 (Computer Literacy) or place out of CIS 105 with the CIS Placement Exam.

**All test scores and transcripts must be approved by the Registrar's Office. All students are encouraged to meet with their academic advisor** ([https://www.uas.alaska.edu/academic\\_advising/](https://www.uas.alaska.edu/academic_advising/)) **before signing up for classes.**

**UAS Academic Testing:** Juneau faculty may schedule class-wide exams in advance, on a space-available basis, or schedule make-up exams as needed. Instructors dictate the constraints of the test such as time limits and materials allowed. Our proctors oversee the integrity of the exam environment. During Covid-19, some UAS course exam proctoring may occur through ZOOM.

**E-Learning Testing:** E-Learning students within the UA statewide (UAS, UAA, UAF) can take their e-Learning exams at the testing center free of charge. No appointment needed! Exam proctoring for other universities can be arranged for a \$50 fee per test. To arrange for our center to be your designated proctor site for non-UA exams, email [juneau.testing@alaska.edu](mailto:juneau.testing@alaska.edu).

**Standardized Tests & Professional Certification Exams:** The UAS Juneau Testing Center offers exams such as the GRE, PRAXIS, LSAT, CLEP, FAA, and HESI exams, Bar Examination and many others from various testing corporations. To find

out if and when an exam is offered here, consult the testing company's website or contact [juneau.testing@alaska.edu](mailto:juneau.testing@alaska.edu) ([uas.national.exams@alaska.edu](mailto:uas.national.exams@alaska.edu)).

Learning Center hours are subject to change. Please check our website for current hours of operation.

Juneau Campus Learning Center & Testing Center  
Egan Library Building, First Floor  
[uas.alaska.edu/juneau/tlc/](https://uas.alaska.edu/juneau/tlc/) (<https://uas.alaska.edu/juneau/tlc/>)  
[juneau.learningcenter@alaska.edu](mailto:juneau.learningcenter@alaska.edu)  
([learningcenter@uas.alaska.edu](mailto:learningcenter@uas.alaska.edu))  
(907) 796-6348  
(907) 796-6225 Fax

### Juneau Campus Writing Center

The Writing Center, which is located in Egan 105, on the ground level of the library, provides a quiet location where students can write alone or in groups. Trained writing consultants are on hand to advise students on their writing projects. The Writing Center's services are available to Juneau campus students, faculty, and staff by appointment or on a walk-in basis. Consultants also work by telephone or online with students registered in Juneau-based e-Learning courses. Whether planning a writing project, working on a draft, or looking to get expert feedback on a final version of a paper, students from all disciplines are encouraged to improve their writing through this valuable resource. During Covid-19, services will be provided through Zoom and email when in-person appointments are not possible.

Writing Center hours are subject to change. Please check our website for current hours of operation.

Juneau Campus Writing Center  
Egan Library Building, EL 105  
[writingcenter@uas.alaska.edu](mailto:writingcenter@uas.alaska.edu)  
(907) 796-6187  
(907) 796-6225 Fax

### Ketchikan Campus Student Center

The Student Center, located in the second floor of the Ziegler building, guides students and supports instruction by helping all UAS students become better learners and gain the confidence and skills to achieve their greatest possible academic success. We strive to create a learning environment that is friendly, caring and attentive to ever-changing student needs. Peer-to-peer support is recognized as a valuable way to supplement professional services. The Student Center provides the following services:

- Math Tutors offer one-on-one tutoring for all levels of math. Our tutors provide you with the support to better understand concepts being taught in the classroom and help you develop the problem-solving techniques and critical thinking skills required to master mathematics.
- Writing Center provides you with a comfortable and friendly location to receive free consultations and feedback on all aspects of writing. Services are available face-to-face and via email or phone for students from all academic disciplines.
- The Student Center offers materials, study strategies coaching materials and presentations on subjects including note-taking, test-taking, reading strategies, and time management that help build a strong foundation for success.

- Academic Advising and disability support staff give you the tools and advice to ensure your success.
- E-Learning Lab provides students with resources for courses and dedicated workspace for ELearning courses with access to computers, internet services, and printers.
- Study Strategies coaching and presentations on subjects like note-taking, test-taking, reading strategies, and time management help build a strong foundation for success.

The Student Center is designed to provide you a place to study that is comfortable, inviting and full of fellow students and staff dedicated to your success.

### Ketchikan Campus Testing Center

The following testing services are available to UAS faculty and students, as well as to the Ketchikan regional community at large:

New UAS students will need to complete the ALEKS Math Placement Test (<https://www.alaska.edu/aleks/take-the-placement-test/>) and the Writing Directed Self Placement ([https://www.uas.alaska.edu/academic\\_advising/self-placement-introduction.html](https://www.uas.alaska.edu/academic_advising/self-placement-introduction.html)). No appointment or proctor is needed to take the math and writing placement tests. The CIS Placement Exam is not required. However, if you are planning on taking computer classes (CIS, CS, etc.), you will need to either take CIS 105 (Computer Literacy) or place out of CIS 105 with the CIS Placement Exam. The computer (CIS) placement does require an appointment at the testing center.

With prior arrangements, the Testing Center proctors both UA and non-UA exams. In addition, the Testing Center is a designated site for a number of standardized and professional certification exams, such as GRE, PRAXIS, CLEP, TOEFL, FCC, Pearson VUE, ASE, PSI, State of Alaska and more.

The UAS Ketchikan Testing Center is the GED Test Center for Ketchikan. GED pre-testing, instruction, and official tests are offered on a scheduled. For additional information, contact the GED office at (907) 228-4549 or email [bgmorgan@alaska.edu](mailto:bgmorgan@alaska.edu).

Ketchikan Campus Testing Center  
Paul Building, Room 101  
(907) 228-4524  
[ketchikan.testing@alaska.edu](mailto:ketchikan.testing@alaska.edu)

### Ketchikan Campus Computer Lab

The computer lab has computers with access to the internet, printer, scanner, and network software. It is open during the week with evening and some Saturday hours. A technology tutor is available to assist with computer needs by appointment. Please check our website (<https://uas.alaska.edu/ketchikan/student-services/computer-lab-and-testing-services-ketchikan.html>) for current hours of operation.

Ketchikan Computer Lab  
Paul Building, Room 105  
(907) 228-4526

### Sitka Campus Student Success Center

The Student Success Center is the primary source for Sitka students to find academic advising, personalized student

support, testing and proctoring, career services, academic tutoring, disabilities services, and financial aid/scholarship information. The full range of student services is available to both local and distance students; advising and tutoring can be provided by web conference, email, video chat, or telephone.

Staffing hours for testing and tutoring

Monday - Friday 8:00 am - 5:00 pm

Hours are subject to change. Appointments for tutoring and testing are highly recommended, though walk-in/call-in services are accommodated whenever possible.

### Academic Advising

Academic advisors provide support to students in UAS Sitka programs and assist students pursuing programs of study at other UA campuses as well. Our advisors also help students to establish and clarify academic goals, select courses, and develop individualized timelines for completion. Advisors are available from 8:00 am - 5:00 pm, Monday - Friday, or by appointment at (907) 747-7777 or email [sitka.advising@alaska.edu](mailto:sitka.advising@alaska.edu).

### Academic Tutoring

Academic tutoring is provided at no cost to Sitka students, primarily in the areas of math, writing, and sciences. Students can receive assistance in subject tutoring as it relates to specific courses or placement test preparation. Tutoring is also provided for Adult Education students preparing for the GED examination or those seeking one-on-one ESL instruction. High school students can benefit from ACT/SAT study sessions. Appointments are recommended to secure a time for academic tutoring, though drop-ins are often accommodated as well. These sessions can be held in person, over the phone, or by web-based video connection. To make an appointment call (907) 747-7717 or email [sitka.ssc@alaska.edu](mailto:sitka.ssc@alaska.edu).

### Counseling Services

Counseling services are available with full confidentiality, allowing any student the opportunity to address issues of depression, anxiety, trauma, relationship struggles, conflict, or emotional or mental health concerns. To make an appointment or to inquire about counseling services, call (907) 796-6000.

### Disability Support Services

Disability Support Services provide a student with equal access to learning experiences with appropriate, legally-protected academic accommodations for documented physical, cognitive, medical, learning, and emotional disabilities. To make an appointment or to inquire about disability services, call (907) 796-6000.

### Lending Library

An in-house lending library is available for students to reference many course textbooks in-room; a variety of other books and study materials are available for checkout.

### Sitka Campus Testing Services

**Testing:** The Sitka Campus Testing Center serves as a professional testing center and support for local, distance, and specialized exams. Exams range from Writing, Math, and Computer skills placement, UA and non-UA, to distance, professional, and standardized testing. The Testing Center is a designated site for several standardized exams, including but not limited to CLEP, PRAXIS, MAT, DANTES, and TOEFL, as well as private exams for the Scantron, PAN, FCC, Pearson Vue, ASE,

PSI, and the State of Alaska. Distance testing arrangement and support is available for those taking distance UAS Sitka courses. Distance testing services for students include establishing a testing site/proctor, implementing ProctorU or RPNOW remote monitoring for course exams, and troubleshooting support.

**GED Testing:** The UAS Sitka Testing Center is the GED Test Center for Sitka. GED pre-testing, instruction, and official tests are offered on a scheduled basis during the Fall and Spring and as-needed during the summer semester. For additional information, contact 907-747-7717.

Sitka Campus Student Success Center

(907) 747-7717

(907) 747-7793 Fax

[sitka.ssc@alaska.edu](mailto:sitka.ssc@alaska.edu)

## Career Services

The UAS Career Services Office is located in the lower level of the Maurant Building on the Juneau campus. Our Career Services Coordinator assists students at all three of our campuses with career exploration, resume development, cover letter composition, interviewing skills, and 'how to conduct an effective job search.' The office maintains an online job board of current position announcements as well as internship opportunities in addition to a variety of resources that assists students and alumni with their job search. Several online career assessments are also available to help students who are undecided about what major or career path to pursue. All of these services are accessible to distance students through personalized email correspondence, phone appointments, Blackboard Collaborate sessions, and resources found on the UAS Career Services website. Visit the Career Services Website at: [uas.alaska.edu/career\\_services/](http://uas.alaska.edu/career_services/) ([https://uas.alaska.edu/career\\_services/](https://uas.alaska.edu/career_services/)).

### Juneau

Career Services (907) 796-6000 / Toll Free: 877-465-4827  
[drydman@alaska.edu](mailto:drydman@alaska.edu) ([ketch.info@uas.alaska.edu](mailto:ketch.info@uas.alaska.edu))

### Ketchikan

Student Resource Center (907) 228-4528 / Toll Free: 888-550-6177  
[ketch.info@alaska.edu](mailto:ketch.info@alaska.edu) ([ketch.info@uas.alaska.edu](mailto:ketch.info@uas.alaska.edu))

### Sitka

Sitka Student Success Center (907) 747-7717 / Toll Free: 907-747-7700  
[sitka.ssc@alaska.edu](mailto:sitka.ssc@alaska.edu)

## Counseling Services

UAS Counseling Services provide a safe environment where students can get support for stress, share their thoughts and feelings, explore concerns, gain new awareness and find positive new ways of looking at a situation. Counselors are based in Juneau, but can serve all UAS students regardless of location. Teletherapy is also available to students within the state of Alaska. Counselors can assist with connections to local resources for students living outside of the state of Alaska. Our professional clinical counseling staff can also provide screening for mental illness, along with follow up support.

Mental health crisis intervention is available for students Monday through Friday from 8 a.m. to 5 p.m. For crisis after hours and on weekends services are available by calling 911 or your local hospital or clinic. There is also a 24 hour crisis/suicide prevention number, 1-877-266-4357. For students in UAS Housing, an emergency RA on-call number is 907-209-6539.

Any students who are enrolled in credit courses for the current semester are eligible. Students may have up to six counseling sessions per semester. If specialized or additional sessions are needed, community referrals will be provided.

For further information please visit the Counseling website at [uas.alaska.edu/juneau/counseling](https://www.uas.alaska.edu/juneau/counseling) (<https://www.uas.alaska.edu/juneau/counseling/>) or call (907) 796-6000 (toll free: 877-465-4827). Call this same number to schedule a confidential appointment.

## Disability Services

Disability Services (DS) empowers, supports, and advocates for students who experience disabilities by partnering with the UAS community in the provision of equal access to all curricular and co-curricular programs, facilities, services, and activities. DS coordinates support services for UAS students who experience disabilities and provides resources for the university and community.

There are a variety of services and accommodations available to UAS students through the DS office. The DS staff work with students from Juneau, Sitka, and Ketchikan to find the most suitable academic accommodations for each individual. Examples of accommodations include but are not limited to: testing accommodations, note-taking and alternate format books.

For more information, please contact DS one of three ways:

In person, we are located on the 1st floor of the Mourant Building on the Juneau Campus

Online, DS website at [uas.alaska.edu/dss](http://uas.alaska.edu/dss) (<http://uas.alaska.edu/dss/>) (<https://uas.alaska.edu/dss/>)

By phone, 907-796-6000

## Exchange and Study Abroad Opportunities

Imagine living and studying in another country or state while earning credit toward your UAS degree! An academic exchange or study abroad experience allows you to do just that for a summer, semester or full year! There are hundreds of universities to consider throughout the United States and its territories, as well as locations in 75 countries around the world. There are actually over 500 study away sites (national and international) to choose from!

If interested, you should begin the process at least one year before you plan to go as application deadlines typically take place at the beginning of the semester prior to your program (September and February). As a freshman, it's not too early to start asking questions when you arrive at UAS. Sophomores and

juniors are in the ideal position for most programs, and seniors should come in to discuss your options.

Participants must be full-time, degree-seeking students in good standing with at least 16-24 credits and a cumulative GPA of 2.75 for international sites and 2.5 for national. Program costs vary from site to site. In the case of exchanges, the cost is comparable to UAS tuition. Financial aid is available and scholarships apply. Throughout, Alaska residents maintain their residency and obtain their PFD.

For more information on exchange and study abroad opportunities, contact the Academic Exchange Office (907) 796-6455, or on the web: [uas.alaska.edu/exchanges](https://uas.alaska.edu/exchanges) (<https://uas.alaska.edu/exchanges/>), or email [dmhillgartner@alaska.edu](mailto:dmhillgartner@alaska.edu).

## Food Service

### UAS Dining Services - Juneau Campus

UAS Dining Services Provides an inviting and engaging culinary experience offering fresh, nutritious, high quality food, while striving for excellence in customer service, sustainability, and fiscal responsibility.

#### Locations

**The Lakeside Grill & Store** is located in the Mourant building and serves a full range of options including a three meal per day hotline, a flat top grill, soups, salads, and sandwiches. Ice cream, pastries, and other novelties are also available at this location. Vegan and vegetarian options are available on the regular menu; other dietary restrictions may be accommodated upon request. Convenience-style merchandise is also available, including UAS logo-wear, school supplies, basic toiletries, cooking staples, and grab-and-go food. The Mourant building features a large dining room that serves as a campus gathering space for interactions, study, and special events.

**Spike's Café** is located in the Egan Building and serves coffee, tea, smoothies, and snacks.

#### Meal Plan

Meal plans are required for all students living on campus. Current meal plan and housing rates can be found online (<http://www.uas.alaska.edu/juneau/housing/options.html>). Housing students can use their meal plan at the Lakeside Grill, Bear's Pantry/Lakeside Convenience Store, and Spike's Café in Egan.

For students, faculty, and staff who do not have a meal plan, a declining balance convenience program called Whalebucks (<https://www.uas.alaska.edu/juneau/housing/whalebucks.html>) is available and linked to the UAS Whalecard (<https://www.uas.alaska.edu/student-accounts/whale-card.html>). See Student Accounts for further information on Whalebucks options.

#### Catering

UAS Dining Services offers catering for special events. Please contact us for additional information on setting up your special event.

### Contact and Hours of Operation

For current hours of operation or additional information visit the Dining Services Website ([http://www.uas.alaska.edu/juneau/food\\_service/](http://www.uas.alaska.edu/juneau/food_service/)), call (907)796-6459, or email [juneau.dining@alaska.edu](mailto:juneau.dining@alaska.edu).

## Health Services (Juneau)

The UAS Health Clinic is located on the lower level of the Mourant Building. The healthcare provider is a certified mid-level practitioner. Available services include physical examinations, reproductive health, STI testing and contraceptive options. The UAS Health Center can treat minor injuries and illnesses, prescribe medications when necessary, and works closely with community health care resources to extend your care options.

For more information, visit the Health Clinic website at: [uas.alaska.edu/juneau/health](http://uas.alaska.edu/juneau/health) (<https://www.uas.alaska.edu/juneau/health/>). For appointments, call (907) 796-6000.

## Housing Juneau Campus

Choosing a college is a very important decision and deciding whether to live on or off campus can be just as important. The living and learning environment of Student Housing can be a source of further support, social connection, and personal development for students seeking a comprehensive college experience.

The UAS Juneau campus offers a variety of on-campus housing options, all convenient to class locations, campus services, and recreational opportunities. Students are encouraged to explore the many benefits of living on campus via the housing website (<http://www.uas.alaska.edu/juneau/housing/>).

### Options and Rates

Please visit the options and rates (<http://www.uas.alaska.edu/juneau/housing/options.html>) section of the housing website to explore housing options and floor plans and view current year rates. Options include suite-style residence halls, apartment style, and family contract accommodations. All rates listed are per semester. Basic utilities including water, electricity, wireless internet, garbage, heat, snow removal, and parking are included in the housing rate. For information regarding payment plans contact Student Accounts at (907) 796-6267.

### Staffing

The student housing complex is staffed by live-in professional and paraprofessional student staff. The Director of Residence Life, Coordinator for Residence Life & First Year Experience, and Coordinator for Residence Life & Student Leadership are highly trained professional staff members who administer facilities, serve as resources to students, and provide live-in on-call response. They supervise Resident Advisors (RAs), the primary student staff contact for housing residents. The RA acts as a mentor and resource for residents and promotes the welfare of the housing community. RAs receive extensive training both prior to residential student arrival and throughout the academic year, making them valuable resources to residents in Student Housing.

In addition to live-in staff, the department is assisted by the Housing Maintenance Coordinator and Student Housing Administrative Assistant.

### Community Facilities

Residents of the student housing complex share the Student Housing Lodge. The facility provides a commons area with a fireplace, classroom, residence life offices, and television lounge. The building also houses a large laundry facility and secured weapons storage area for residents who wish to store firearms on campus. The Housing Lodge is the site for many social and educational activities. A community pavilion with grills, a playground, and a basketball court is located outside of the Housing Lodge. Residence Hall students have access to study and social lounges, kitchens, and laundry facilities on site in their respective halls.

### Application Procedure

Housing applications may be completed via the online application (<http://uas.alaska.edu/pub/uashousingapp/>) process or by downloading a paper format application (<http://www.uas.alaska.edu/juneau/housing/apply.html>). Paper applications may be picked up in person at the Housing office.

Students are encouraged to apply early, as housing facilities fill quickly. An application is not considered complete until a non-refundable \$25 application fee and the \$300 deposit is received, signed housing agreement is returned, proof of immunization has been verified, and a criminal history form is provided.

### Assignments

Assignments to student housing are made prior to the start of each semester. Students with completed applications will be informed via email of the details of their assignment by July 15th for fall contracts and December 15th for spring. Assignments are made in the order that applications are confirmed complete. A completed application consists of a signed housing agreement, deposit and application fee, and proof of current immunizations. All efforts will be made to honor special housing requests such as roommate preferences when received by the advertised contract deadline.

### Contact

The Residence Life main office is located in the Housing Lodge at 4300 University Drive, Juneau, Alaska 99801.

Phone: (907) 796-6443

Fax: (907) 796-6387

Email: [uas.housing@alaska.edu](mailto:uas.housing@alaska.edu)

## Ketchikan Campus Housing

At this time, Ketchikan does not offer student housing. For housing information, contact the Student Services Manager, (907) 228-4508 or toll-free 1-888-550-6177.

## Sitka Campus Housing

At this time, Sitka does not offer student housing on campus; however, makes referrals to students seeking houses to nearby third-party affordable student housing options and

other rentals in the community. For housing referrals, please contact (907) 747-7703 or toll-free 1-800-478-6653, or email [sitka.studentlife@alaska.edu](mailto:sitka.studentlife@alaska.edu).

## Native and Rural Student Center (Juneau)

**"Yak'ei haat yigoodee"**  
(in the Tlingit language translates  
to "It is good that you have come")

The mission of the Native & Rural Student Center (NRSC) is to create a student-centered inclusive environment that honors diversity, celebrates cultural traditions and knowledge, and enhances the learning experiences of the University of Alaska Southeast students.

The Wooch.Een student club was formed in 1992. Wooch.een, in the Tlingit language, translates to 'working together.' The student club is open to all students and helps bridge the gap between academic and traditional Alaska Native knowledge. The student club members work closely with UAS and community organizations to foster an understanding of our state's tribes, and promote an awareness of our states cultural and social issues.

The NRSC joined the UAS campus in 1996, through the collaborative efforts of the student club Wooch.Een, UAS faculty, staff, and administration. The NRSC was founded on working together.

The NRSC is supported by our Student Equity and Multicultural Services Manager, our Program Director for PITAAS (Preparing Indigenous Teachers and Administrators for Alaska Schools), and through the activity of clubs such as Pride Pod, Generation Action, Wooch.Een and the UAS Sustainability Club.

All groups focus on building connections to each other and place. The NRSC promotes both gender and racial equity within our community.

For information about NRSC, there are 3 ways to contact us:

- In person, we're located on the 1st floor of Mourant building, Juneau campus
- By phone, (907) 796-6454
- Online at <https://www.uas.alaska.edu/juneau/nrsc/index.html> (<https://www.uas.alaska.edu/juneau/nrsc/>)

We look forward to working with you!

## New Student Orientation

The University of Alaska Southeast New Student Orientation mission is to assist new students in making a successful transition, academically and socially, into the UAS culture and community.

New Student Orientation is provided at the start of each Fall and Spring semester. Orientation is an excellent opportunity for all new students to learn about the campus facilities, services, and resources as well as get to know fellow new classmates.

## Juneau Campus

The Juneau Campus has two required Orientation experiences: UAS 101 e-Orientation and Welcome Week.

**UAS 101:** All new UAS-Juneau program students are required to complete UAS 101 e-Orientation. Students will receive access to the e-Orientation experience approximately one month prior to the beginning of classes, or soon after registering for Juneau-based courses, whichever is later. Students will have until the end of the add/drop period (September 3, 2021 for Fall 2021 and January 21, 2022 for Spring 2022) to complete all the modules included in e-Orientation. e-Orientation is free.

**Fall Welcome Week:** Welcome Week is required for all new on-campus, degree-seeking students registered for 12 or more credits. New students who are registered for less than 12 credits are highly encouraged to attend Welcome Week. There are required activities on August 20-21, 2021, with optional (but highly recommended) activities through the first week of classes. A \$100 fee will be charged to students who are required to attend and any other students that choose to join.

**Spring Welcome Week:** Welcome Week is required for all new on-campus, degree-seeking students registered for 12 or more credits. New students who are registered for less than 12 credits are highly encouraged to attend Welcome Week. There are required activities on January 7-8, 2022, with optional (but highly recommended) activities through the first week of classes. A \$100 fee will be charged to students who are required to attend and any other students that choose to join.

For more information about the welcome week and e-Orientation, as well as a complete schedule, please visit [uas.alaska.edu/apply/orientation/](https://uas.alaska.edu/apply/orientation/) (<https://uas.alaska.edu/apply/orientation/>) or contact: First Year Experience (907)796-6385 or email [uas.firstyear@alaska.edu](mailto:uas.firstyear@alaska.edu).

## Sitka Campus

**Contact info:** Student Success Center (907) 747-7717 or email [sitka.ssc@alaska.edu](mailto:sitka.ssc@alaska.edu)

## Ketchikan Campus

**Contact info:** Student Services Manager (907) 228-4508; E-Learning Orientation visit [uas.alaska.edu/apply/orientation/index.html](https://uas.alaska.edu/apply/orientation/index.html) (<https://www.uas.alaska.edu/apply/orientation/>) or email [ketch.info@alaska.edu](mailto:ketch.info@alaska.edu)

## Student Activities

Student Activities at the University of Alaska Southeast facilitates high quality, student-centered programs, services, and involvement opportunities which enhance student learning and development, promote community engagement and responsible citizenship, foster leadership and advocacy, and celebrate diversity. The Juneau, Sitka, and Ketchikan campus and local communities are rich in opportunities for co-curricular participation. Juneau campus traditions include Campus Kickoff, Winterfest, and Spring Carnival.

### Juneau

Student Engagement & Leadership Office (907) 796-6306

uas.sab@alaska.edu

Additional information about Juneau campus engagement (<https://www.uas.alaska.edu/juneau/student-engagement-leadership/index.html> (<https://www.uas.alaska.edu/juneau/student-engagement-leadership/>)) can be found online.

**Ketchikan:**

Student Activities (907) 228-4508  
ketch.info@alaska.edu

**Sitka:**

Student Success Center (907) 747-7717  
sitka.ssc@alaska.edu

## Student Recreation Center

### Student Recreation Center (REC) (Juneau)

The Student Recreation Center facility is a joint-use facility with the Alaska Army National Guard (AANG). This shared facility includes basketball and volleyball courts, suspended running/walking track, cardio equipment, thirty-foot indoor climbing wall, weight training room, dance/cardio studio, and two classrooms. Exclusive for UAS is the Student Activity Center (SAC) which features a student lounge, stage and dance floor, pool & ping-pong tables, flat screen television and a 21-foot movie screen with HD projector.

All students are welcome to use the recreation center and take advantage of the wide variety of events, programs, intramural and entertainment offerings. All students registering for a Juneau based class, on-site or distance, are assessed a per credit consolidated fee which includes access to the facility and its diverse program offerings. Faculty, staff, and alumni may purchase memberships in order to have unlimited access to the many opportunities for recreation and exercise at this facility. Membership options may be discussed with the front desk staff at any time. Many programs such as concerts, dances, performances, intramurals, and movies are free to all students at all times. The Student Recreation Center rents equipment to students, faculty, staff, and Alumni & Friends members including backpacks, tents, cross country skis, snowshoes, lake craft, and much more.

The Student Recreation Center is a university-based facility and all members must show a valid university ID to access the facility at each visit. In the event of a US Homeland Security Red Alert, the recreation facility access may be curtailed at the request of the AANG. Members must show UAS ID to access the facility each time they use the facility for security requirements. The facility is for the exclusive use of AANG and UAS and is not open for the general public except at scheduled times.

The front desk of the Student Recreation Center can be reached at (907) 796-6544. For information regarding memberships, outdoor programs, events, climbing wall or employment, call (907) 796-6544. For information regarding facility rental, room reservations, intramurals or general facility questions call (907) 796-6545. More information can be found at

<https://www.uas.alaska.edu/juneau/rec/index.html> (<https://www.uas.alaska.edu/juneau/rec/>).

## Student Government

Student government on all UAS campuses plays an important role in the development of university policies, academic programs, and student services. In addition, student government organizes and promotes many activities on campus and nominates students to faculty and administrative committees. Although student government is comprised of elected officers, it encourages all students to get involved. A student government fee is collected from all students at the time of registration, which supports the work that the elected representatives do on each campus.

**Juneau:**

Student Activities Office (907) 796-6313  
jypres@alaska.edu

**Ketchikan:**

Student Services Coordinator (907) 228-4508  
ketch.info@alaska.edu

**Sitka:**

Student Success Advisor (907) 747-7717  
sitka.SGA@alaska.edu

## Student Resource Center (SRC)

The SRC guides students in developing a lifelong quest for knowledge, a commitment to personal wellness and an enriched life of broad experiences.

The SRC provides a framework that enhances student success and achievement in the following areas:

- Academic Advising
- Career Services
- Counseling Services
- Disability Services
- Health Services
- Native and Rural Student Center
- Exchange and Study Abroad Opportunities
- Veterans Services

Appointments for any services provided by SRC, call (907) 796-6000 / Toll Free: 1-887-465-4827

## Veterans Services

**Veteran Services**

We highly value our veterans and veteran's spouses/dependents and their represented service to our country and are committed to supporting their educational goals and endeavors. UAS offers services and resources for our veteran and veteran's spouses/dependents that includes a designated VA School Certifying Official who assists students using their VA Educational Benefits to pay for the cost of their education as well as a dedicated website with multiple Veteran resources.

To determine if you are eligible for VA Educational Benefits, please apply via the GI Bill® website – [www.va.gov](http://www.va.gov) (<https://www.va.gov>)

[www.va.gov/](http://www.va.gov/)). For additional information and services, please visit our UAS Veterans website (<http://www.uas.alaska.edu/veterans/>). UAS also offers support services for our students who need accommodations for disabilities, personal/family counseling sessions, and academic support through our Learning Center.

For any questions regarding Veteran's Services and about your education benefits, please contact Deborah Rydman, VA School Certifying Official at 907-796-6368 or e-mail [drrydman@alaska.edu](mailto:drrydman@alaska.edu).

To stay current with upcoming UAS Veteran activities as well as news, stories, and events, ask to join our UAS Veterans and Family Student Association Facebook page.

### Veterans' Service Officer/Advocate

The UAS Juneau campus has a Veterans' Service Officer/Advocate who provides assistance to veterans, eligible spouses/dependents and military personnel for any VA benefit including health services and retirement questions.

For further information on any of these VA benefits, assistance, and guidelines, contact V.V.A. Service Officer, Ramona Wigg, (907) 465-4211 or e-mail [vvacapital@outlook.com](mailto:vvacapital@outlook.com).

"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill/>." (<https://benefits.va.gov/gibill/>)

## Active Duty Tuition Assistance

As an eligible member of the U.S. Armed Forces, you are able to take advantage of a program which allows you to have military pay to further your civilian education.

For all branches of service (Air Force, Army, Army Reserves, Navy, Marines, National Guard and Coast Guard), you may receive:

- 100% tuition and fees not to exceed \$250 per semester credit hour, \$166 per quarter credit hour, or \$4500 per fiscal year
- Reimbursable fees which include lab, enrollment, special, and computer fees

Service members must obtain TA through their branch of service. Learn how to apply for Tuition Assistance (all branches) (<http://www.military.com/education/money-for-school/tuition-assistance-ta-program-overview.html>).

### Student Responsibilities

Students need to provide a copy of their Tuition Assistance Authorization form to the UAS Student Accounts Office at least one week before each semester that they are registered for courses. TA Authorizations can be faxed to Student Accounts (907) 796-6006 or emailed to [uas.cashier@alaska.edu](mailto:uas.cashier@alaska.edu)

UAS will apply the approved payment amount to your student account. Any remaining balance will be the students responsibility and are due in accordance with the university semester due dates. Contact UAS Student Accounts with any questions regarding amounts or deadlines by phone at (907) 796-6267 or via email: [uas.cashier@alaska.edu](mailto:uas.cashier@alaska.edu)

Any of the following changes to your classes or credits must be reported to UAS Student Accounts office or VA certifying official immediately, or your benefit payments could be delayed up to 45 days and/or result in an overpayment:

- **Changes in credit load that affect your training time:** example – going from 12.0 credits (full-time) to 9.0 credits (3/4 time) or your classes end or start differently than before. You do need to report when you add or drop a class because it will affect your payments! UAS does not accept responsibility for overpayments that could have been avoided had we been notified in a timely manner.
- **Called to Active Duty:** If during the semester you are called to active duty, please notify the UAS Registrar's Office to discuss the withdrawing of your courses and the possibility of filing an appeal for a reimbursement of tuition and/or fees and provide a copy of your deployment orders. Also, please notify the UAS Student Accounts Office or the UAS VA certifying official.
- **In-state tuition for veterans:** All veterans, separated or retired, regardless of their point of separation or state of residence are eligible to receive in-state tuition while attending UAS *using their GI Bill® Benefits*. Please fill out the Application for Residence Tuition (<https://www.alaska.edu/studentservices/student-resources/residency/Residency-Application-enterable.pdf>) and turn your DD 214-Automated (which must contain item #24: "Character of Service"), separation orders, or retirement orders into admissions when applying for this waiver.

## Full tuition waiver for spouses/dependents of deceased veterans

The spouse or dependent of an armed services member who died in the line of duty or who died as a result of injuries sustained while in the line of duty or who was listed by the Department of Defense as a Prisoner of War or as Missing in Action is entitled to a waiver of undergraduate tuition and fees from the Alaska Department of Military and Veterans Affairs. The students must be in good standing in a state-supported educational institution in Alaska.

## My Career Advancement Account (MyCAA) Scholarship – Helping Spouses Reach Career Goals

The My Career Advancement Account Scholarship is a workforce development program that provides up to \$4,000 of tuition assistance to eligible military spouses. The scholarship assists military spouses of active duty service members in pursuing licenses, certificates, certifications or associate degrees necessary to gain employment in high-demand, high-growth portable career fields and occupations. Spouses may use their My Career Advancement Account Scholarship funds at UAS, which is an approved academic institution for participation in the scholarship. More information can be found at the MyCAA website (<https://mycaa.militaryonesource.mil/mycaa/get-started/>) and on the MyCAA Fact Sheet ([https://myseco.militaryonesource.mil/Portal/Media/Default/Collaterals\\_Catalog/Program\\_Overview/MyCAA-Helping-Spouses-Reach-Career-Goals.pdf](https://myseco.militaryonesource.mil/Portal/Media/Default/Collaterals_Catalog/Program_Overview/MyCAA-Helping-Spouses-Reach-Career-Goals.pdf)). Please contact Deborah Rydman, VA School Certifying Official, at 907-796-6368 or [drrydman@alaska.edu](mailto:drrydman@alaska.edu) for assistance.

## TA Adjustments and Refunds

Students should refer to Refunds to review UAS refund policies and dates for student account overpayments.

***Tuition Assistance benefit payments that are determined to be unearned or otherwise disallowed by the military branch will be removed from the student's account immediately upon notification by the student or the military branch, and refunded back to the agency in accordance with Title IV regulations.***

"GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>." (<https://benefits.va.gov/gibill/>)

# CERTIFICATE & DEGREE PROGRAMS

## Degrees by Level

- Associate Degrees (p. 61)
- Bachelor's Degrees (p. 70)
- Certificates (p. 101)
- Graduate Studies (p. 108)
- Occupational Endorsements (p. 122)
- Undergraduate Minor Options (p. 129)

## Degrees by Colleges and Schools

- School of Arts and Sciences includes Department of Business and Public Administration (p. 53)
- School of Career Education (p. 58)
- School of Education (SOE) (p. 60)

## Table of Programs

Subject	Degree	Delivery Method
Accountant (p. 122)	Occupational Endorsement	E-Learning, Juneau
Alaskan Aquaculture (p. 123)	Occupational Endorsement	E-Learning, Sitka
Behavioral Health Assistant (p. 123)	Occupational Endorsement	Juneau, Ketchikan, Sitka
Certified Nurse Aide Training (p. 123)	Occupational Endorsement	Juneau, Ketchikan, Sitka
Computer Aided Drafting Technician (p. 124)	Occupational Endorsement	Juneau
Fisheries Management (p. 124)	Occupational Endorsement	E-Learning, Sitka
Healthcare Information Technology (p. 124)	Occupational Endorsement	E-Learning, Sitka
Law Enforcement (p. 125)	Occupational Endorsement	Sitka
Marine Transportation (p. 125)	Occupational Endorsement	Ketchikan
Maritime & Multi Skilled Worker (p. 125)	Occupational Endorsement	Ketchikan
Northwest Coast Art (p. 126)	Occupational Endorsement	Juneau
Power Technology - Diesel/Heavy Duty Emphasis (p. 126)	Occupational Endorsement	Juneau
Power Technology - Diesel/Marine Emphasis (p. 126)	Occupational Endorsement	Juneau

Power Technology - Mine Mechanic Emphasis (p. 126)	Occupational Endorsement	Juneau
Residential/Light Construction - Construction Technology (p. 127)	Occupational Endorsement	Juneau, Sitka
Residential/Light Construction - Exterior Finishes (p. 127)	Occupational Endorsement	Juneau
Residential/Light Construction - Framing (p. 127)	Occupational Endorsement	Juneau
Residential/Light Construction - Interior Finishes (p. 127)	Occupational Endorsement	Juneau
Scientific Diving (p. 128)	Occupational Endorsement	Sitka
Welding (p. 128)	Occupational Endorsement	Juneau, Ketchikan, Sitka
Accounting Technician (p. 101)	Certificate	E-Learning, Juneau
Applied Fisheries (p. 102)	Certificate	E-Learning, Sitka
Drafting Technology (p. 103)	Certificate	Juneau
Health Information Management Coding Specialist (p. 103)	Certificate	E-Learning, Sitka
Healthcare Privacy and Security (p. 104)	Certificate	E-Learning, Sitka
Indigenous Language Certificate Speaking Certificate (p. 104)		E-Learning, Juneau, Ketchikan, Sitka
Indigenous Language Certificate Teaching Certificate (p. 105)		E-Learning, Juneau, Ketchikan, Sitka
Medical Assisting (p. 106)	Certificate	E-Learning, Sitka
Outdoor Skills and Leadership (p. 106)	Certificate	Juneau
Pre-Nursing Qualifications (p. 107)	Certificate	E-Learning, Juneau, Ketchikan, Sitka
Pre-Radiologic Technology Qualifications (p. 107)	Certificate	E-Learning, Juneau, Ketchikan, Sitka
Small Business Management (p. 108)	Certificate	E-Learning, Juneau
General Program (p. 62)	Associate of Arts	E-Learning, Juneau, Ketchikan, Sitka
Applied Fisheries (p. 62)	Associate of Applied Science	E-Learning, Sitka

Business Administration (p. 64)	Associate of Applied Science	E-Learning, Juneau	Alaska Native Language and Studies (p. 90)	Bachelor of Liberal Arts (B.L.A.)	E-Learning, Juneau
Construction Technology (p. 64)	Associate of Applied Science	Juneau	Outdoor and Adventure Studies (p. 90)	Bachelor of Liberal Arts (B.L.A.)	Juneau
Health Information Management (p. 65)	Associate of Applied Science	E-Learning, Sitka	Independent Design (p. 90)	Bachelor of Liberal Arts (B.L.A.)	E-Learning, Juneau
Health Sciences (p. 66)	Associate of Applied Science	E-Learning, Juneau, Ketchikan, Sitka	Interdisciplinary (p. 86)	Interdisciplinary Bachelor of Arts (I.B.A.)	Juneau
Marine Transportation (p. 67)	Associate of Applied Science	Ketchikan	Interdisciplinary Studies (p. 90)	Bachelor of Liberal Arts (B.L.A.)	E-Learning, Juneau
Power Technology (p. 68)	Associate of Applied Science	Juneau	Biology (p. 74)	Bachelor of Science (B.S.)	Juneau
Power Technology - Diesel Emphasis (p. 68)	Associate of Applied Science	Juneau	Environmental Science (p. 82)	Bachelor of Science (B.S.)	Juneau
Power Technology - Fixed Plant Mechanic (p. 68)	Associate of Applied Science	Juneau	Fisheries and Ocean Science with a Concentration in Fisheries Science (p. 85)	Bachelor of Science (B.S.)	Juneau
Power Technology - Mine Mechanic Emphasis (p. 68)	Associate of Applied Science	Juneau	Environmental Resources (p. 80)	Bachelor of Science (B.S.)	Juneau
Associate of Science Degree (p. 63)	Associate of Science	E-Learning, Juneau, Ketchikan, Sitka	Marine Biology (p. 95)	Bachelor of Science (B.S.)	Juneau
Biology (p. 73)	Bachelor of Arts (B.A.)	Juneau	Mathematics (p. 96)	Bachelor of Science (B.S.)	Juneau
Elementary Education (p. 77)	Bachelor of Arts (B.A.)	E-Learning, Juneau	Alaska Native Studies (p. 129)	Minor	Juneau, Ketchikan, Sitka
English (p. 79)	Bachelor of Arts (B.A.)	E-Learning, Juneau	Anthropology (p. 130)	Minor	Juneau
Environmental Studies (p. 83)	Bachelor of Arts (B.A.)	Juneau	Biology (p. 130)	Minor	Juneau
Social Science (p. 97)	Bachelor of Arts (B.A.)	E-Learning, Juneau	Business (p. 130)	Minor	E-Learning, Juneau
Special Education (p. 100)	Bachelor of Arts (B.A.)	E-Learning, Juneau	Construction Technology (p. 130)	Minor	Juneau
Bachelor of Business Administration (B.B.A.) (p. 75)	Bachelor of Business Administration	E-Learning, Juneau	Creative Writing (p. 131)	Minor	Juneau
Accounting (p. 75)	Bachelor of Business Administration (B.B.A.)	E-Learning, Juneau	English Literature (p. 131)	Minor	Juneau
Human Resource Management (p. 75)	Bachelor of Business Administration (B.B.A.)	E-Learning, Juneau	Environmental Science (p. 131)	Minor	Juneau
Management (p. 75)	Bachelor of Business Administration (B.B.A.)	E-Learning, Juneau	History (p. 131)	Minor	Juneau
Management Information Systems (p. 75)	Bachelor of Business Administration (B.B.A.)	E-Learning, Juneau	Information Systems (p. 132)	Minor	Juneau
Bachelor of Liberal Arts (B.L.A.) (p. 90)	Bachelor Degree	E-Learning, Juneau	Marine Transportation (p. 132)	Minor	Juneau, Ketchikan
			Mathematical Sciences (p. 132)	Minor	Juneau
			Northwest Coast Art (p. 133)	Minor	Juneau
			Outdoor and Adventure Studies (p. 133)	Minor	Juneau
			Pathways to Teaching (p. 134)	Minor	E-Learning, Juneau

Philosophy (p. 134)	Minor	Juneau
Spanish (p. 134)	Minor	Juneau
Tlingit Language (p. 135)	Minor	E-Learning, Juneau
Elementary Education (M.A.T.) (p. 116)	Master's Degree	E-Learning, Juneau
Educational Leadership (M.Ed.) (p. 115)	Master's Degree	E-Learning, Juneau
Reading (M.Ed.) (p. 118)	Master's Degree	E-Learning, Juneau
Secondary Education (M.A.T.) (p. 119)	Master's Degree	E-Learning, Juneau
Special Education (M.A.T.) (p. 120)	Master's Degree	E-Learning, Juneau
Special Education (M.Ed.) (p. 121)	Master's Degree	E-Learning, Juneau
Public Administration (M.P.A.) (p. 117)	Master's Degree	E-Learning, Juneau
K-8 Elementary (p. 111)	Graduate Certificate	E-Learning, Juneau
Reading (p. 112)	Graduate Certificate	E-Learning, Juneau
Secondary Education (p. 112)	Graduate Certificate	E-Learning, Juneau
Special Education (p. 113)	Graduate Certificate	E-Learning, Juneau

## Degrees by Colleges and Schools

- School of Arts and Sciences - includes Department of Business and Public Administration (p. 53)
- School of Career Education (p. 58)
- School of Education (SOE) (p. 60)

## Arts and Sciences

### Departments

- Department of Business and Public Administration (p. 53)
- Department of Humanities (p. 54)
- Department of Natural Sciences (p. 56)
- Department of Social Sciences (p. 57)

## Department of Business and Public Administration

### Business Administration

Our business programs prepare students for careers in private businesses and public-service organizations. The required courses of study provide the foundation for professional careers in organizations of all sizes. The curriculum is designed to develop critical thinking abilities, communication skills, basic computer knowledge, awareness of ethical issues, and expertise in select business management disciplines.

The four-year Bachelor of Business Administration (B.B.A.) includes emphases options in Accounting, Human Resource Management, Management, and Management Information Systems. This degree culminates in a capstone course (BA S462) for graduating seniors that have completed all of the major requirements for the degree. This capstone allows students to demonstrate competency in solving complex and unstructured problems requiring the application of knowledge acquired via the range of business courses taken. B.B.A. graduates will be prepared to pursue professional-level positions across a variety of essential business functions across all industries and types of organizations.

Additional business program options include a two-year Associate of Applied Science (A.A.S) in Business Administration with available emphases in Accounting and General Business, a one-year Accounting Technician Certificate, a one year Small Business Management Certificate, and an Accountant Occupational Endorsement. These programs are designed to prepare students for vocational-level positions in a variety of office positions in industry and public service.

The B.B.A. and A.A.S. business programs have received specialized accreditation from the Accreditation Council of Business Schools and Programs (ACBSP). Additionally, all business courses are delivered 100% via distance delivery using various technologies mostly in an asynchronous environment. Advisors are available to assist transfer students with transcript evaluations for possible course substitutions.

## Public Administration

The Master of Public Administration (M.P.A.) is a professional degree designed for working professionals who seek to increase knowledge, competencies, workplace skills, and credentials in public administration. The M.P.A. degree prepares students for leadership at all levels of government and in non-profit organizations. It is committed to practitioner-oriented instruction, flexible and convenient e-Learning, and offering courses relevant to students in the State of Alaska and the Yukon Territory.

The M.P.A. degree program combines the relationships and structure of the traditional classroom with the accessibility of a distance delivered program to create a stable, supportive, and high-quality education. All public administration courses are delivered 100% via the Internet based "live" classes in a synchronous environment.

**Juneau, available via e-Learning unless otherwise noted**

## Occupational Endorsement

- Accountant (p. 122)

## Certificates

- Accounting Technician (p. 101)
- Small Business Management (p. 108)

## Associate of Applied Science (p. 64)

with emphasis areas in:

- Accounting
- General Business

## Bachelor of Business Administration (p. 75)

with emphasis areas in:

- Accounting
- Human Resource Management
- Management
- Management Information Systems

## Minors

- Business (p. 130)
- Information Systems (p. 132)

## Master of Public Administration

Available in Juneau and e-Learning

- Higher Education
- Rural Development (p. 117)

**Dean**  
Carin Silkaitis

## Faculty

**Michael Boyer**  
Associate Professor of Law Science  
Juneau

**Charla A. Brown**  
Associate Professor of Human Resource Management  
Juneau

**Jeffery Caneen**  
Adjunct Faculty of Business  
Juneau

**Kathy DiLorenzo**  
Associate Professor of Public Administration  
Juneau

**Maren Haavig**  
Interim Provost  
Associate Professor of Accounting  
Juneau

**Richard Hacker**  
Professor of Law Science, Emeritus  
Juneau

**Julie Hamilton**  
Chair Business and Public Administration  
Associate Professor of Accounting  
Juneau

**Sherry Hassell**  
Adjunct Faculty of Accounting  
Juneau

**Elizabeth Hoffman**  
Adjunct Faculty of Information Systems  
Juneau

**Haley Johnson**  
Adjunct Faculty of Business Administration  
Juneau

**Cathy LeCompte**  
Adjunct Faculty of Public Administration  
Juneau

**Ljubomir (LJ) Medenica**  
Assistant Professor of Public Administration  
Juneau

**Colleen McKenna**  
Professor of Information Systems  
Juneau

**James E. Powell**  
Adjunct Faculty of Public Administration  
Juneau

**Timothy Powers Jr.**  
Adjunct Faculty of Information Systems  
Juneau

**Paulette Schirmer**  
Assistant Professor of Accounting  
Juneau

**Kristy D. Smith**  
Term Assistant Professor of Business Administration  
Juneau

**Peggy Weaver**  
Adjunct Faculty of Public Administration  
Juneau

## Humanities

Human actions, stories, ideals, thoughts, traditions, and values are the focus of Humanities study at UAS. Our interest areas include Alaska Native Languages and Studies, Art (Northwest Coast Indigenous Arts and Ceramics), Communication, English (Creative Writing, Composition, and Literature), Spanish, Linguistics, Environmental Studies, Outdoor Studies, Philosophy, and Performance Arts. Students in the Humanities engage in transdisciplinary methods of inquiry and creative activity as they analyze, create, evaluate, collaborate, interpret, investigate, and record human activity, culture, and imagination.

## Certificate in Outdoor Skills and Leadership (p. 106) (J)

## Indigenous Language Speaking Certificate (p. 104) (J, K, S, D)

## Indigenous Language Teaching Certificate (p. 105) (J, K, S, D)

## Associate of Arts (p. 62) (J, K, S)

## Interdisciplinary Bachelor of Arts (p. 86) (J)

## Bachelor of Liberal Arts (p. 90) (J, D<sup>1</sup>)

- Designated Emphasis (p.        )
  - Alaska Native Languages and Studies
  - Outdoor and Adventure Studies
- Independent Design (p.        )
- Interdisciplinary Studies (p.        )

## Bachelor of Arts (J)

- English (p. 79)
- Environmental Studies (p. 83)
  - Cultural Geography
  - Environmental Studies
- Outdoor Studies and Leadership Emphasis (p. 83)

## Minors (J)

- Creative Writing (p. 131)
- English Literature (p. 131)
- Northwest Coast Art (p. 133)
- Philosophy (p. 134)
- Spanish (p. 134)
- Tlingit Language (p. 135)

<sup>1</sup> Select emphasis only

## Campus Key

J=Juneau

K=Ketchikan

S=Sitka

D=Distance Learning/e-Learning

### Dean

Carin Silkaitis

## Faculty

### Rosemarie J. Alexander-Isett

Term Assistant Professor of Communication  
Juneau

### Andrea L. Dewees

Associate Professor of Spanish  
Juneau

### Stephen P. Florian

Assistant Professor of Writing and Communication  
Ketchikan

### Ernestine Hayes

Professor of English, Emerita  
Juneau

### Jeremy Kane

Associate Professor of Art  
Juneau

### Susan Koester

Professor of Communication, Emerita  
Juneau

### Kevin Krein

Professor of Philosophy  
Juneau

### Jonas Lamb

Associate Professor of Library and Information Science  
Public Services Librarian  
Juneau

### Rod Landis

Professor of English, Emeritus  
Ketchikan

### Roby Littlefield

Adjunct Faculty of Alaskan Languages  
Sitka

### Kevin Maier

Professor of English  
Juneau

### Art Petersen

Professor of English, Emeritus  
Juneau

### Richard F. Simpson

Assistant Professor of Humanities  
Juneau

### Jay Szczepanski

Term Assistant Professor of English  
Juneau

### Math Trafton

Associate Professor of English  
Sitka

### Lance (X'unei) A. Twitchell

Associate Professor of Alaska Native Languages  
Juneau

### Forest J. Wagner

Humanities Department Chair  
Assistant Professor of Outdoor Studies  
Juneau

### Emily Wall

Professor of English  
Juneau

**Jennifer Ward**

Associate Professor of Library and Information Science  
Outreach Services Librarian  
Juneau

**Teague Whalen**

Associate Professor of English and Communication  
Ketchikan

**Elizabeth Zacher**

Term Assistant Professor of Art  
Sitka

## Natural Sciences

Education in mathematics and sciences provides students with the scientific and analytical methods of thinking and means of exploration to understand the world in which we live. Course work provides students with a thorough grounding in the natural sciences and mathematics. The goal of the natural sciences programs is to educate citizens to make rational, evidence-based decisions in today's society. Students not seeking a degree in mathematics and the natural sciences are offered a variety of general-interest courses, including courses that fulfill elective and general education requirements. Course work in mathematics and natural science also supports allied health programs and other transfer programs. Courses in mathematics and natural sciences are listed under the following catalog headings: astronomy, biology, chemistry, geology, environmental sciences, mathematics, oceanography, physics and statistics.

## Associate of Science (J, K, T, D) (p. 63)

### Bachelor of Arts

- Biology (p. 73) (J)

### Bachelor of Science

- Biology (p. 74) (J)
- Environmental Resources (p. 80) (J)
- Environmental Science (p. 82) (J)
- Fisheries and Ocean Sciences with a Concentration in Fisheries Science (p. 85) (J)
- Marine Biology (p. 95) (J)
- Mathematics (p. 96) (J)

### Minors

- Biology (p. 130)
- Environmental Science (p. 131)
- Mathematics (p. 132)

## Campus Key

J=Juneau

K=Ketchikan

S=Sitka

D=Distance Learning/e-Learning

**Dean**

Carin Silkaitis

## Faculty

**Jason M. Amundson**

Associate Professor of Geophysics  
Juneau

**Valerie Barber**

Adjunct Faculty of Chemistry  
Sitka

**Carolyn A. Bergstrom**

Associate Professor of Marine Biology  
Juneau

**Brian Blitz**

Professor of Mathematics  
Juneau

**Megan Buzby**

Associate Professor of Mathematics  
Juneau

**Marnie Chapman**

Professor of Biology  
Sitka

**Cathy L. Connor**

Professor of Geology, Emerita  
Juneau

**Jill Dumesnil**

Professor of Mathematics  
Juneau

**Jason Fellman**

Term Research Assistant Professor of Environmental Science  
Juneau

**Christopher Hay-Jahans**

Professor of Mathematics  
Juneau

**Lisa Hoferkamp**

Associate Professor of Chemistry  
Juneau

**Eran Hood**

Professor of Environmental Science  
Juneau

**Colleen Ianuzzi**

Associate Professor of Mathematics  
Ketchikan

**Kitty LaBounty**

Term Associate Professor of Biology  
Sitka

**Joe Liddle**

Professor of Mathematics

Sitka

**Jon Martin**

Assistant Professor of Biology  
Sitka

**Konrad Meister**

Assistant Professor of Chemistry

Juneau

**Sonia Nagorski**

Associate Professor of Geology  
Juneau

**Michael Navarro**

Assistant Professor of Marine Fisheries  
Juneau

**Heidi Pearson**

Associate Professor of Marine Biology  
Juneau

**Andrzej Piotrowski**

Natural Sciences Department Chair  
Professor of Mathematics  
Juneau

**Sanjay Pyare**

Associate Professor of Environmental Science  
Juneau

**Charmaine Robinson**

Assistant Professor of Science  
Ketchikan

**Julie Schram**

Assistant Professor of Animal Physiology  
Juneau

**Michael Stekoll**

Professor of Chemistry and Biochemistry Emeritus  
Juneau

**Jan Straley**

Professor of Marine Biology  
Sitka

**David Tallmon**

Professor of Biology  
Juneau

**Sherry Tamone**

Professor of Biology Emerita  
Juneau

## Social Sciences

One of the important goals of a university education is to “liberate the powers of the individual by disciplining them” (William Theodore deBary). The Social Science program at UAS fulfills this aim by stressing the importance of method, concept, and theory in the study of human origins, development, thought, behavior, and institutions.

The Social Sciences at UAS include anthropology, geography, political science, history, psychology, and sociology. Each of these disciplines seeks a better understanding of human behavior through research, analysis, and interpretation of social phenomena.

The foundation of the Social Science Department’s approach to undergraduate education assessment is the student senior portfolio. Every full-time undergraduate maintains a portfolio of work that reflects the entire student career. Following a well-developed plan, students present their accomplishments and successes in a senior assessment portfolio. The assessment portfolio is formally reviewed the semester prior to graduation.

## Bachelor of Arts in Social Sciences (p. 97) (J, D<sup>1</sup>)

with primary and secondary concentrations in:

- Anthropology (p. 97)
- History (p. 97)
- Political Science (p. 97)
- Psychology (p. 97)
- Sociology (p. 97)

### Minors

- Alaska Native Studies (p. 129)
- Anthropology (p. 130)
- History (p. 131)

<sup>1</sup> Select emphasis only

## Campus Key

J=Juneau

K=Ketchikan

S=Sitka

D=Distance Learning/e-Learning

### Dean

Carin Silkaitis

## Faculty

**Jennifer Brown**

Assistant Professor of Anthropology  
Ketchikan

**Erica Hill**

Professor of Anthropology  
Juneau

**Daniel Monteith**

Associate Professor of Anthropology  
Juneau

**David Hoogland Noon**

Professor of History  
Juneau

**Katarzyna Polanska**

Term Assistant Professor of Political Science and Sociology  
Ketchikan

**John Radzilowski**

Professor of History  
Ketchikan

**Priscilla Schulte**

Ketchikan Campus Director  
Professor of Anthropology/Sociology  
Ketchikan

**Thomas Fox Thornton**

Director of Alaska Coastal Rainforest Center  
Professor of Environment and Society  
Juneau

**William Urquhart II**

Social Sciences Department Chair  
Associate Professor of Sociology  
Ketchikan

**Lora E. Vess**

Associate Professor of Sociology  
Juneau

**Robin Walz**

Professor of History, Emeritus  
Juneau

**Jennifer Welsh**

Term Assistant Professor of History  
Juneau

**Glenn D. Wright**

Associate Professor of Political Science  
Juneau

**Alison Ziegler**

Associate Professor of Psychology  
Ketchikan

## Career Education

Career Education provides programs to meet the short-term training needs and long-term vocational, technical, and occupational needs of the residents of Southeast Alaska. These programs provide specific job-related skills for employment, lifelong learning opportunities, and professional advancement that enable graduates to function effectively in a technology-dependent society. Career Education includes programs in diesel, mine mechanic, marine oiler, construction, drafting/AutoCAD, building science, welding, fisheries technology, health information management, health sciences, marine transportation, pre-nursing qualifications, and pre-radiologic technology qualifications. Certificates and Associate of Applied Science (A.A.S.) degrees are offered in certain fields.

Career Education programs and courses provide students with employment skills for entry into the job market, industry-specific skill upgrade or retraining, occupational endorsements, and preparation for license examinations.

Courses are delivered using a variety of teaching methods, including e-Learning technologies through audio, video, Internet and printed materials. Vocational-technical laboratories provide students with state-of-the-art equipment comparable to what would be encountered in industry. To accommodate training needs of business and industry, some courses are compressed from meeting a few hours per week for a semester into day-long classes that may meet for more than a week. This arrangement allows students to complete course offerings in an abbreviated time period that may be more easily accommodated in a non-traditional student schedule.

Career Education also includes the UAS Center for Mine Training (CMT). The mission of the UAS/CMT is to provide world-class workforce training in occupational fields leading to employment in the mining industry, with special emphasis on expanding an Alaskan workforce for underground hard rock mining. The Center provides varied educational activities including for-credit and non-credit programs, such as Mine Safety Training, Orientation Courses, Workforce Credentials, Occupational Endorsements, Certificates, and Associate-level degrees for those seeking a career in the mining industry. Learn more at [uas.alaska.edu/career\\_ed/mining/index.html](https://www.uas.alaska.edu/career_ed/mining/index.html) ([https://www.uas.alaska.edu/career\\_ed/mining/](https://www.uas.alaska.edu/career_ed/mining/)).

The UAS Maritime Training Center in Ketchikan provides training for above and below deck maritime jobs. The Maritime Training Center provides for-credit and non-credit classes that lead to U.S. Coast Guard credentials. Occupational Endorsements and Associate-level degrees in marine transportation are available. Learn more at [uas.alaska.edu/career\\_ed/index.html](https://uas.alaska.edu/career_ed/index.html) ([https://uas.alaska.edu/career\\_ed/](https://uas.alaska.edu/career_ed/)).

## Occupational Endorsements

### Alaskan Aquaculture

- Alaskan Aquaculture (p. 123) (D, S)

### Behavioral Health Assistant

- Behavioral Health Assistant (p. 123) (J, K, S)

### Certified Nurse Aide Training

- Certified Nurse Aide Training (p. 123) (J, K, S)

### Computer Aided Drafting Technician

- Computer Aided Drafting Technician (p. 124) (J)

### Fisheries Management

- Fisheries Management (p. 124) (D, S)

### Health Information Management

- Healthcare Information Technology (p. 124) (D, S)

### Law Enforcement

- Law Enforcement (p. 125) (S)

### Marine Transportation

- Marine Transportation (p. 125) (J, K)
- Maritime & Multi Skilled Worker (p. 125) (K)

## Power Technology

- Diesel/Heavy Duty Emphasis (p. 126) (J)
- Diesel/Marine Emphasis (p. 126) (J)
- Mine Mechanic Emphasis (p. 126) (J)
- Fixed Plant Mechanics (p. 126) (J)

## Residential/Light Construction

- Construction Technology (p. 127) (J, S)
- Exterior Finishes (p. 127) (J)
- Framing (p. 127) (J)
- Interior Finishes (p. 127) (J)

## Scientific Diving

- Scientific Diving (p. 128) (S)

## Welding

- General Welding (p. 128) (J, K, S)

## Certificates

- Applied Fisheries (p. 102) (D, S)
- Drafting Technology (p. 103) (J)
- Healthcare Privacy and Security (p. 104) (D, S)
- Health Information Management Coding Specialist (p. 103) (D, S)
- Medical Assisting (p. 106) (D, S)
- Pre-Nursing Qualifications (p. 107) (D, J, K, S)
- Pre-Radiologic Technology Qualifications (p. 107) (D, J, K, S)

## Associate of Applied Science

- Applied Fisheries (p. 62) (D, S)
- Construction Technology (p. 64) (J)
- Health Information Management (p. 65) (D, S)
- Health Sciences (p. 66) (D, J, K, S)
- Marine Transportation (p. 67) (K)
- Power Technology with an emphasis in Diesel, Fixed Plant Mechanic or Mine Mechanic (p. 68) (J)

## Campus Key

J=Juneau

K=Ketchikan

S=Sitka

D=Distance Learning/e-Learning

### Executive Dean/Juneau Programs

Pete Traxler

### Director, Ketchikan Campus

Priscilla Schulte

### Director, Sitka Campus

Paul Kraft

## Faculty

### Terissia Bell

Health Information Management Program Director

Assistant Professor

Sitka

### Angela Bowers

Term Assistant Professor of Fisheries Technology

Sitka

### Lauren Wild

Term Assistant Professor of Fisheries Technology

Sitka

### Tom Dolan

Power Technology Program Head

Term Assistant Professor

Juneau

### Justin Fantasia

Term Assistant Professor of Construction Technology

Juneau

### Susie Feero

Associate Professor of Health Information Management

Sitka

### Robin Gilcrist

Construction Technology Program Head

Associate Professor

Juneau

Term Assistant Professor of Welding

Ketchikan

### Mike LaBarge

Assistant Professor of Maritime Studies

Ketchikan

### Marilyn Lumba

Term Assistant Professor of CNA

Juneau

### Joel A. Markis

Fisheries Technology Program Director

Assistant Professor

Sitka

### Neil Nickerson

Term Assistant Professor of Marine Transportation

Ketchikan

### Larry O'Loane

Term Assistant Professor of Power Technology

Ketchikan

### Allen Puckett

Term Assistant Professor of Welding Technology

Sitka

### Amy K. Samuel

Medical Assisting Program Director

Term Associate Professor

Sitka

### Pete Traxler

Executive Dean of Career Education

Assistant Professor of Construction Technology

Juneau

### **Neil Voelckers**

Term Assistant Professor of Power Technology  
Juneau

### **Steffen Frazier**

Term Assistant Professor of Power Technology  
Juneau

### **Darcie Ziel**

Term Assistant Professor of Health Sciences and CNA  
Sitka

## **School of Education (SOE)**

The School of Education (SOE) faculty's mission is to identify, prepare, and strengthen effective teachers who will make sustained contributions to students and the education profession in rural and urban settings in Alaska and nationally. Our vision is that graduates will become informed, reflective, and responsive educators within diverse classroom, school and community contexts.

While mastering competencies stated in the Alaska Standards for Teachers, candidates also demonstrate the following goals/outcomes that are at the core of SOE's conceptual framework:

**Goal/Outcome 1:** Articulate, maintain, and develop a philosophy of education that they also demonstrate in practice.

**Goal/Outcome 2:** Understand how human development affects learning and apply that understanding to practice.

**Goal/Outcome 3:** Differentiate instruction with respect for individual and cultural characteristics.

**Goal/Outcome 4:** Possess current academic content knowledge.

**Goal/Outcome 5:** Facilitate learning by using assessment to guide planning, instruction, and modification of teaching practice.

**Goal/Outcome 6:** Create and manage a stimulating, inclusive and safe learning community in which students take intellectual risks and work independently and collaboratively

**Goal/Outcome 7:** Work as partners with parents, families and the community.

**Goal/Outcome 8:** Develop and maintain professional, moral, and ethical attitudes, behaviors, relationships, and habits of mind.

**Goal/Outcome 9:** Use technology effectively, creatively, and wisely.

## **Teacher Education Accreditation**

The School of Education (SOE) at the University of Alaska Southeast is accredited by the Council for the Accreditation of Educator Preparation (CAEP).

CAEP accreditation signifies that the SOE has met the rigorous standards set forth for educator preparation. This accreditation is for the College's initial licensure and advanced programs. The

Alaska Department of Education and Early Development requires the state's university education units to hold CAEP accreditation.

## **Education Programs**

Our programs place special emphasis on diverse needs of students, up-to-date technology and strong field-based experiences. Programs are available on the Juneau campus or are offered statewide through e-Learning.

All students take the class 'Preparations for Teacher Education Programs' in the first semester of their program as a zero credit course.

The education faculty emphasizes active, engaged learning that will result in reflective and critical thinking as opposed to passive listening, memorizing, and rote learning. Course work requires the application of theory into practice in field settings. UAS education graduates seeking employment have experienced successful placement throughout Alaska and the country. In addition, our advanced degree programs offer a variety of opportunities for teachers to advance their learning and take leadership roles in their fields.

**Available via e-Learning except as noted.**

## **Bachelor of Arts**

- Elementary Education (p. 77) (J, D)
- Special Education (p. 100) (J, D)

## **Master of Arts in Teaching**

- Elementary Education (p. 116) (J, D)
- Secondary Education (p. 119) (J, D)
- Special Education (p. 120) (J, D)

## **Master of Education**

- Educational Leadership (p. 115) (D)
- Reading Specialist (p. 118) (D)
- Special Education (p. 121) (D)

## **Graduate Certificates**

- Elementary Education (K-8) (p. 111) (D)
- Reading Specialist (p. 112) (D)
- Secondary Education (p. 112) (J, D)
- Special Education (p. 113) (J, D)

## **Campus Key**

J=Juneau

K=Ketchikan

S=Sitka

D=Distance Learning/e-Learning

### **Interim Director**

Mary Lou Madden

## Faculty

### Susan Andrews

Term Assistant Professor of Education  
Juneau

### Heather L. Batchelder

Associate Professor of Education  
Juneau

### Marjorie Fields

Professor of Education, Emerita  
Juneau

### Virgil Fredenberg

Professor of Education  
Juneau

### Kim Hanisch

Term Assistant Professor of Educational Leadership  
Juneau

### Elizabeth Hartley

Term Assistant Professor of Education  
Juneau

### Mischa Jackson

Assistant Professor of Secondary Education  
Juneau

### Jeffrey Lofthus

Professor of Education  
Juneau

### Jason Ohler

Professor of Education, Emeritus  
Juneau

### Lawrence Lee Oldaker

Professor of Education, Emeritus  
Juneau

### Lisa K. Richardson

Associate Professor of Education  
Juneau

### Greg Sampson-Gruener

Assistant Professor of Education  
Juneau

### Jerry Schoenberger

Term Assistant Professor of Educational Leadership  
Juneau

### Katy Spangler

Professor of Education, Emerita  
Juneau

### Joseph Spink

Term Assistant Professor of Elementary Education  
Juneau

### Mary Wegner

Assistant Professor of Educational Leadership  
Juneau

## Associate Degrees

### Associate of Applied Science Degree (A.A.S.)

The Associate of Applied Science degree (A.A.S.) is a two-year degree awarded in a specific career or occupational field of expertise. See individual program requirements listed in the appropriate degree section of the catalog.

**Minimum credit requirements** 60

**Resident credit requirements** 15

#### A.A.S. Degrees Available:

- Applied Fisheries (p. 62)
- Business Administration (p. 64)
- Construction Technology (p. 64)
- Health Information Management (p. 65)
- Health Sciences (p. 66)
- Marine Transportation (p. 67)
- Power Technology with an emphasis in Diesel, Fixed Plant or Mine Mechanic (p. 68)

### Associate of Arts (A.A.)

The Associate of Arts degree provides students with a broad general education. It is also designed to be a transfer degree to bachelor degree programs. If a student intends to transfer to a bachelor degree program, he/she should consult the requirements for the advanced degree as some special general education and lower division courses are required in bachelor degrees.

**Minimum credit requirements** 60 credits

**Special credit requirement** 20 credits must be at the 200 level or higher

**General Education requirements** 34

**Resident credit requirement** 15

### Associate of Science (A.S.)

The Associate of Science degree (A.S.) provides students with a broad academic education. It is designed to be a transfer degree to baccalaureate degree programs, with an emphasis in the sciences.

**Minimum credit requirements** 60 credits

**Special credit requirement** 20 credits must be at the 200 level or higher

**General Education requirements** 34

**Resident credit requirement** 15

## General Education Requirements for Associate and Bachelor Degrees

This requirement was developed to enhance academic advising and to accommodate transferability and applicability of courses to general education requirements for students transferring from one unit to another. It encompasses those areas of knowledge common to associate and bachelor degrees and thus represent the minimum standards for general education.

However, courses are not necessarily offered **every** semester. Students are advised to seek advisor assistance in meeting program degree requirements.

NOTE: Some degree programs **require** specific courses be included in the GERs. Students should consult the degree requirements section of this catalog for the degree into which they are admitted to determine which courses should be taken as part of the 34 credit-hour-minimum general education requirements. If required courses are not taken as GERs, they must be taken as requirements or electives. Any given course may be counted as fulfilling more than one requirement in a degree program but the credit hour can only be counted once. **History** courses may be counted to fulfill the humanities **or** the social science requirements, but not both.

## Applied Fisheries, A.A.S.

### Sitka, e-Learning

The Associates of Applied Science (A.A.S.) provides students with a broad educational and practical foundation in the fields of fisheries management and aquaculture. Students will be prepared for entry level employment in federal and state agencies, hatcheries, and the private sector. This program is offered via both distance and local course options. Successful graduates who work closely with academic advisors will have the option to continue on to Bachelors of Science (B.S.) in Fisheries and Ocean Sciences through UAS or UAF. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

The A.A.S. in Applied Fisheries requires a minimum of sixty credit hours and a GPA of 2.50. Of the 60 credits, students must complete 20 credits at the 200 level or above. Students must complete 6 credit hours of internship.

Requirement	Hours
Minimum Credit Hours	60
General Education Requirements	17
Major Requirements	43

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		6
WRTG S111	*Writing Across Contexts	
WRTG S212	*Writing and the Professions	
<i>Oral Communication Skills</i>		3

COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
or COMM S235	*Small Group Communication and Team Building	
<i>Computational Skills</i>		4
MATH S105	Intermediate Algebra <sup>2</sup>	
or MATH S151	*College Algebra for Calculus	
<i>Science</i>		
Select one of the following:		4
BIOL S103	*Biology and Society	
BIOL S104	*Natural History of Alaska	
BIOL S115	*Fundamentals of Biology I	
BIOL S116	*Fundamentals of Biology II	
CHEM S103	*Introduction to General Chemistry	
ENVS S102	*Earth and Environment	
<b>Major Requirements</b>		
CIS S105	Computer Literacy	3
FT S120	Fisheries of Alaska	3
FT S211	Fisheries Management Techniques	3
FT S212	Fisheries Management Techniques Lab	1
FT S122	Alaska Salmon Culture I	3
FT S222	Alaska Salmon Culture II	3
FT S223	Alaskan Aquaculture Lab	1
FT S270	Freshwater Ecology	3
FT S272	Fisheries Management, Law and Economics	3
FT S274	Fish Biology	3
FT S291	Fisheries Technology Internship	6
OCN S101	*Introduction to Oceanography	3
Select 8 credits of the following:		8
BA S166	Small Business Management	
FT S125	Fish Pathology Lab	
FT S188	Basic Scuba Diving	
FT S194	Fisheries Policy Practicum (Fisheries Technology Practicum)	
STAT S107	*Survey of Statistics	
Advisor approved electives		
Any of the science GERs not taken above		
<b>Total Credits</b>		<b>60</b>

<sup>1</sup> Grade C 2.00 or better  
<sup>2</sup> Students interested in pursuing a bachelor's degree should take MATH S151.

## Associate of Arts, A.A.

### Juneau, Ketchikan, Sitka, e-Learning\*

The Associate of Arts (A.A.) degree administered by the School of Arts and Sciences, provides a solid foundation in mathematics, written and oral communication, the natural and social sciences,

the humanities and fine arts. The A.A. degree prepares students for career advancements, for transfer to baccalaureate programs and for a better understanding of their world.

The A.A. degree with an emphasis in Northwest Coast Arts provides a solid foundation in the art of the Northwest Coast and prepares students for work as a professional artist or scholar.

Students with this degree may work towards a B.L.A. or I.B.A. degree in Alaska Native or Indigenous Studies, transfer to the Institute of American Indian Arts (IAIA) based on a partnership between UAS and IAIA, or may work towards a degree in Education in order to teach Northwest Coast arts.

\*The A.A. degree with an emphasis in Northwest Coast Arts is not available via e-learning at this time.

- Admissions to the A.A. degree program
- Completion of 60 credits at 100-level or above, including:
  1. At least 20 credits at the 200-level or higher
  2. At least 15 credits completed in residence at UAS
  3. All General Education Requirements (minimum 34 credits)<sup>1</sup>
  4. 26-27 elective credits, with at least 18 credits from the School of Arts & Sciences (no more than 6 credits from ODS/PE)<sup>2</sup>
- Cumulative GPA of at least 2.00 at UAS

<sup>1</sup> Students in the Northwest Coast Arts emphasis are required to take specific GERs.

<sup>2</sup> Does not apply to students in the Northwest Coast Arts emphasis.

## Northwest Coast Arts Emphasis

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Complete all General Education Requirements, which must include the following:</i>		
ANS S101	Introduction to Alaska Native Studies	3
ART S260	*Indigenous Performing Arts	3
One of the following courses:		4
AKL S105	*Beginning Tlingit I	
AKL S107	*Beginning Haida I	
AKL S109	Beginning Tsimshian I	

Code	Title	Credits
<b>Program Requirements</b>		
ART S181	Beginning Northwest Coast Design	3
ART S263	Northwest Coast Native Art History & Culture	3
ART S295	Career Development for the Artist	3
ART S350	Northwest Coast Art Theory and Practice	3
<i>Choose 14 credits from the following courses<sup>1</sup></i>		14
ART S116	Fiber Arts-Spinning	

ART S138	Natural Dye
ART S180	Northwest Coast Art: Selected Topics
ART S183	Harvest and Preparation of Basket Materials
ART S189	Northwest Coast Tool Making
ART S230	Artists Studio, Beginning
ART S280	Northwest Coast Art: Selected Topics
ART S281	Intermediate Northwest Coast Design
ART S282	Beginning Northwest Coast Basketry
ART S284	Northwest Coast Basket Design
ART S285	Beginning Northwest Coast Carving
ART S286	Beginning Northwest Coast Woolen Weaving
ART S330	Artists Studio, Intermediate
ART S381	Advanced Northwest Coast Design
ART S382	Intermediate Northwest Coast Basketry
ART S385	Intermediate Northwest Coast Carving
ART S386	Intermediate Northwest Coast Woolen Weaving
ART S430	Artists Studio, Advanced
ART S482	Advanced Northwest Coast Basketry
ART S485	Advanced Northwest Coast Carving
ART S486	Advanced Northwest Coast Woolen Weaving
Advisor-approved ART internships, practica, or independent studies	

<sup>1</sup> 400-level courses may be repeated for credit.

## Associate of Science, A.S.

### Juneau, Ketchikan, Sitka, e-Learning

The Associate of Science degree is designed for students who want to complete a 2-year degree with an emphasis in science prior to initiating a Bachelors degree in a relevant program. Students in the A.S. degree should work closely with a university advisor to select lower level elective courses that will satisfy B.S. degree program requirements. Completion of the A.S. degree alone will not guarantee junior standing or satisfy all the required prerequisite coursework for a B.S. degree.

- Completion of 60 credits at 100 level or above including:
  1. At least 20 credits at the 200 level or higher
  2. At least 15 credits completed in residence at UAS
  3. All General Education Requirements (GERs) to total 34-35 credits, including MATH S152

4. 12 credits of courses in BIOL, CHEM, ENGR, ENVS, GEOL, MATH, PHYS or STAT above the level of GERS
5. 13-14 elective credits from the School of Arts and Sciences and no more than 4 credits of PE/ODS courses.

- Cumulative GPA of at least 2.00 at UAS.

## Business Administration, A.A.S.

### Juneau, e-Learning

The Business Administration program provides a course of study in various aspects of business management that prepares students for entry into the job market. The A.A.S. degree in Business Administration requires a minimum of 60 credit hours. Students within the Business Administration, A.A.S. may select a General Business or an Accounting emphasis.

The Business Administration, A.A.S. with a general business emphasis prepares students for entry-level positions in business such as customer service supervisor, accounting assistant, account representative, or assistant manager.

The Business Administration, A.A.S. with an accounting emphasis prepares students for entry-level accounting positions, such as bookkeeper, accounting clerk, and payroll clerk, and also paraprofessional positions in public accounting firms, non-profit organizations, and government.

Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>60</b>
General Education Requirements	18-19
Major Requirements	21
Emphasis Area	15
Electives	6

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
WRTG S211 or WRTG S212	*Writing and the Humanities *Writing and the Professions	3
<i>Oral Communication Skills</i> <sup>1</sup>		
Select one of the following:		3
COMM S111	*Fundamentals of Oral Communication	
COMM S235	*Small Group Communication and Team Building	
COMM S237	*Interpersonal Communication	
COMM S241	*Public Speaking	
<i>Other Skills</i>		
BA S116 or MATH S105	Business Mathematics Intermediate Algebra	3-4
Advisor approved GERS <sup>2</sup>		6

<b>Major Requirements</b>		
ACCT S201	Principles of Financial Accounting <sup>3</sup>	3
ACCT S202	Principles of Managerial Accounting	3
BA S254	Personal Finance	3
BA S263	Business Communications	3
CIS S235	Spreadsheet Concepts and Applications	3
LAWS S101 or BA S330	Introduction to Law Legal Environment of Business	3
ECON S201 or ECON S202	*Principles of Macroeconomics <sup>4</sup> *Principles of Microeconomics	3
<b>Emphasis Area</b>		<b>15</b>
<b>Electives</b>		<b>5-6</b>

- <sup>1</sup> Grade C 2.00 or better.
- <sup>2</sup> Humanities, social sciences, natural sciences, or mathematics. See General Education Requirements (p. 208).
- <sup>3</sup> ACCT S121 and ACCT S122 will meet ACCT S201 requirement.
- <sup>4</sup> MATH S105 is a corequisite.

Code	Title	Credits
<b>General Business Emphasis</b>		
<b>Emphasis Requirements</b>		<b>15</b>
BA S151	Introduction to Business	3
BA S251	Management Skills	3
CIS S105 or BA S310 or CIS S310	Computer Literacy Management Information Systems Management Information Systems	3
Select two from the following:		6
BA S166	Small Business Management	
BA S301	Principles of Management	
or BA or CIS S__ Elective		

Code	Title	Credits
<b>Accounting Emphasis</b>		
<b>Emphasis Requirements</b>		<b>15</b>
ACCT S225	Payroll Accounting	3
BA S151 or BA S166	Introduction to Business Small Business Management	3
BA S251 or BA S301	Management Skills Principles of Management	3
Select two from the following:		6
ACCT S222	Computer Automated Accounting	
ACCT S316	Accounting Information Systems	
ACCT S__ Elective		

## Construction Technology, A.A.S.

### Juneau

The Construction Technology program provides a course of student in various aspects of residential construction that prepares students for entry into the construction trades. The Construction Technology, A.A.S. degree requires a minimum of 60 credit hours.

There are several Occupational Endorsements (OE) that a Construction Technology student may obtain while completing courses in the A.A.S. program, including the Exterior Finishes, OE: Interior Finishes, OE; and Framing, OE.

The Construction Technology program prepares students for a variety of entry-level positions, such as apprentice for building contractor, facility maintenance technician, drafting technician, building inspector/plan reviewer, and for continuation into professional degree programs such as construction management, engineering and architecture.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>61</b>
General Education Requirements	16
Major Requirements	45

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	Writing Across Contexts	3
WRTG S211 or WRTG S212	*Writing and the Humanities *Writing and the Professions	3
<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	Small Group Communication and Team Building <sup>1</sup>	
COMM S237	Interpersonal Communication <sup>1</sup>	
COMM S241	Public Speaking <sup>1</sup>	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra	4
<i>Other Skills</i>		
Advisor approved GERs <sup>2</sup>		3
<b>Major Requirements</b>		
ACCT S100	Recordkeeping for Small Businesses	3
BA S166	Small Business Management	3
CT S100	Woodworking I	3
CT S135	Residential Wiring	3
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety—OSHA 10-Hour Certification	1
CT S121	Light Wood Frame Construction	1
CT S121L	Light Wood Frame Construction Lab	2

CT S140	Residential Plumbing and Heating	3
CT S170	Residential Design, Codes and Standards	3
CT S175	Introduction to AutoCAD	3
CT S201	Cold Climate Construction	3
CT S212	Interior Finish Carpentry	1
CT S212L	Interior Finish Carpentry Lab	2
CT S214	Exterior Finish Carpentry	1
CT S214L	Exterior Finish Carpentry Lab	2
CT S227	Residential Construction Planning and Estimating	3
CT S230	Residential Mechanical Ventilation	3
Advisor approved Elective		3

**Total Credits 61**

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> Humanities, social sciences, mathematics, or natural sciences. See General Education Requirements (p. 208).

## Health Information Management, A.A.S.

### Sitka, e-Learning

The Health Information Management (HIM) program provides a course of study, using primarily e-Learning methodology, that prepares entry-level health information professionals. This program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education. Graduates are eligible to write the national examination; successful completion of the examination leads to the professional credential of Registered Health Information Technician (R.H.I.T.). Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

The Health Information Management (HIM) A.A.S. degree program requires a minimum of sixty (60) semester credit hours. Graduation should occur within five (5) years from the date of enrollment or HIM professional courses may have to be repeated. A minimum grade of C (2.00) is required in all courses. A grade of C- is not considered passing.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>62</b>
General Education Requirements	16
Major Requirements	46

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
WRTG S211 or WRTG S212	*Writing and the Humanities *Writing and the Professions	3

*Oral Communication Skills*

Select one of the following:	3
COMM S111	*Fundamentals of Oral Communication
COMM S235	*Small Group Communication and Team Building
COMM S237	*Interpersonal Communication
COMM S241	*Public Speaking

*Other Skills*

PSY S111	*Introduction to Psychology	3
HS S114	Fundamentals of Anatomy and Physiology <sup>1</sup>	4

**Major Requirements**

HIM S101	Introduction to Health Information Management I	3
HIM S102	Introduction to Health Information Management II	3
HIM S117	Applied Healthcare Statistics	3
HIM S135	Medical Terminology	3
HIM S155	Coding I: Outpatient	3
HIM S181	Introduction to Healthcare Systems	3
HIM S240	Legal Aspects of Health Information	3
HIM S251	Quality Improvement and Project Management	3
HIM S255	Coding II: Inpatient	3
HIM S258	Coding III: Advanced Coding	3
HIM S261	Revenue and Financial Management for Healthcare	3
HIM S272	Pathophysiology and Pharmacology	4
HIM S280	Health Care Management	3
HIM S281	RHIT Certification Exam Preparation	1
HIM S289	Healthcare Information Technology	3
HIM S291	Internship: Healthcare Management	2

**Total Credits** **62**

<sup>1</sup> Students going on to a Bachelor's degree are advised to take BIOL S111 and BIOL S112 in place of HS S114.

## Health Sciences, A.A.S.

### Juneau, Ketchikan, Sitka, e-Learning

The Associate of Applied Science in Health Sciences prepares students to enter direct care careers and to apply or transfer to a variety of health care training programs. **Students need to consult with a Health Sciences advisor before registering for courses.**

**A minimum grade of C (2.00) is required in all courses.** A grade of C- is not considered passing.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>60</b>
General Education Requirements	18-19
Emphasis Area Requirements	41-42

Code	Title	Credits
<b>General Education Requirements</b>		

<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
WRTG S211	*Writing and the Humanities	3
or WRTG S212	*Writing and the Professions	

*Oral Communication Skills*

Select one of the following	3
COMM S111	*Fundamentals of Oral Communication
COMM S235	*Small Group Communication and Team Building
COMM S237	*Interpersonal Communication
COMM S241	*Public Speaking

*Computational Skills*

MATH S105	Intermediate Algebra	3-4
or HS S116	Mathematics in Health Care	

*Other Skills*

PSY S111	*Introduction to Psychology <sup>1</sup>	3
or PSY S250	*Lifespan Development	
HS S135	Medical Terminology	3

Code	Title	Credits
<b>Pre-Nursing Qualifications Emphasis</b>		

<i>Emphasis Requirements</i>		41-42
BIOL S111	*Human Anatomy and Physiology I	4
BIOL S112	*Human Anatomy and Physiology II	4
BIOL S240	Introductory Microbiology	4
CHEM S103	*Introduction to General Chemistry	4
HS S203	Science of Nutrition	3
Advisor approved electives (in the following areas: BA, BIOL, CHEM, HS, HIM, HUMS, PSY)		22-23

Code	Title	Credits
<b>Medical Assisting Emphasis</b>		

<i>Emphasis Requirements</i>		41-42
MA S133	Medical Assisting Procedures: Administrative I	4
MA S142	Medical Assisting Procedures: Clinical I	4
MA S233	Medical Assisting Procedures: Administrative II	4
MA S242	Medical Assisting Procedures: Clinical II	4
MA S294A	Medical Assisting Practicum	4

Advisor approved electives (in the following areas: BA, BIOL, CHEM, HS, HIM, HUMS, PSY) 21-22

- <sup>1</sup> Consult with an advisor to determine which PSY course meets your educational plan.

## Marine Transportation, A.A.S.

The Associate of Applied Science in Marine Transportation degree is a two-year academic program designed to provide students with a broad educational and practical foundation concerning the maritime industry.

### Deck Emphasis

Students will be prepared for employment in many sectors of the maritime industry including but not limited to; tourism, workboats, RO-RO ferries and deep sea shipping. Students who meet sea time and academic requirements will receive United States Coast Guard (USCG) and Standards of Certification and Watch Keeping (STCW) credentials. Graduates of the program who have completed appropriate sea time and course work will be qualified to serve as officers on vessels of not more than 200 Gross Registered Tons upon Near Coastal, or Inland Waters. The goal of the Marine Transportation program is to provide graduates with the credentials and general education required to excel in Alaskan waters and beyond.

### Engine Room Emphasis

Engine Room Emphasis coursework provides the training and credentials necessary to begin a career in the engine room side of the marine transportation industry. Successful graduates will have met the academic and practical examination requirement for certification as a Qualified Member of the Engine Department (QMED) with an Oiler endorsement.

The Engine Room Emphasis incorporates a four-month (120-day) internship at sea. The internship with the 60 days of sea time granted for successful completion of the UAS/Oiler program provides the sea-time necessary for the USCG endorsement.

## Marine Transportation A.A.S.

Associate of Applied Science

### Ketchikan

This degree provides a strong foundation to a variety of maritime careers. Successful completion of the USCG approved courses included in the program eliminates the need for testing with the U.S. Coast Guard. Graduates who meet sea time, physical agility and other U.S. Coast Guard requirements will be qualified for certification or licensing in the degree emphasis chosen.

Students must consult with a Marine Transportation program advisor before registering for courses. Meeting with an advisor will help students develop a plan of study for specific career goals.

Code	Title	Credits
<b>Minimum Credit Hours</b>		<b>60-61</b>
General Education Requirements		16
Major Requirements		44-45

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		<b>6</b>
WRTG S111 or BA S163	Writing Across Contexts Business English	
WRTG S212 or BA S263	*Writing and the Professions Business Communications	
Oral Communications Skills		<b>3</b>
COMM S111	Fundamentals of Oral Communication	
COMM S235	Small Group Communication and Team Building	
COMM S237	Interpersonal Communication	
COMM S241	Public Speaking	
Mathematics Skills		<b>4</b>
MATH S105	Intermediate Algebra	
<i>Other Skills</i>		<b>3</b>
Advisor-approved GER		
<b>Total Credits</b>		<b>16</b>

### Deck Emphasis

This course of study is for individuals who desire to pursue an "above deck" career emphasizing vessel handling, navigation and watch standing duties. See the catalog program description for further information.

Code	Title	Credits
<b>Major Requirements</b>		
MTR S120	Outboard Motor Maintenance	1
MTR S122	Diesel Engine Maintenance	1
MTR S129	Basic Training	2
MTR S226	Ratings Forming Part of a Navigation Watch (RFPNW)	1
MTR S228	Fast Rescue Boat (FRB)	2
MTR S239	Master 100 Ton and Operator of Uninspected Passenger Vessel	5
MTR S242	Advanced Fire Fighting	2
MTR S244	Crisis Management and Human Behavior	1
MTR S250	Radar Observer	2
MTR S294	Marine Transportation Practicum	6
MTR Advisor Approved Course(s)		3
Advisor approved electives		18
<b>Total Credits</b>		<b>44</b>

### Engine Room Emphasis

This course of study is for individuals who desire to pursue a "below deck" career emphasizing vessel and machinery operating systems, vessel maintenance and machinery repair. See the catalog program description for further information.

Code	Title	Credits
CIS S105	Computer Literacy	3
DESL S110	Diesel Engines	6
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
MTR S129	Basic Training	2
MTR S181	Marine Electrical Systems	3
MTR S182	Naval Architecture and Engineering Systems	1
MTR S220	Proficiency in Survival Craft	2
MTR S228	Fast Rescue Boat (FRB)	2
MTR S242	Advanced Fire Fighting	2
MTR S244	Crisis Management and Human Behavior	1
MTR S291	Internship	9
MTR S294	Marine Transportation Practicum	6
WELD S120	Basic Welding	3
<b>Total Credits</b>		<b>45</b>

## Nursing through UAA, A.A.S.

### Juneau, Ketchikan, Sitka

UAS supports students in their pursuit of the UAA A.A.S. Nursing program offered in Juneau, Ketchikan and Sitka through a cooperative arrangement between UAS & UAA. See the UAA catalog for degree requirements (<https://catalog.uaa.alaska.edu/undergraduateprograms/coh/schoolofnursing/aas-nursing/>) and a local UAS advisor for additional support.

UAA School of Nursing  
(907) 786-4550  
1-800-577-1770  
[aynurse@uaa.alaska.edu](mailto:aynurse@uaa.alaska.edu)

## Power Technology, A.A.S.

### Diesel Emphasis

This degree is a vocational training program for men and women interested in securing employment working with various diesel engine applications such as (but not limited to):

- Charter boats
- Fishing vessels
- Tour buses
- Marine auxiliary systems
- Hydraulic systems
- Transportation vehicles
- Cold storage systems

### Fixed Plant Mechanic Emphasis

This degree is a vocational training program for men and women interested in securing employment working with various stationary machine applications such as (but not limited to):

- Above ground mines
- Underground mines
- Gravel pits and quarries
- Fish plants (flash freezing)
- Fish plants (canneries)
- Sawmills

### Juneau

#### Diesel Emphasis

This degree is a vocational training program for men and women interested in securing employment working with various diesel engine applications such as (but not limited to):

- Charter boats
- Fishing vessels
- Tour buses
- Marine auxiliary systems
- Hydraulic systems
- Transportation vehicles
- Cold storage systems

Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>63</b>
Major Requirements	47

Code	Title	Credits
<b>General Education Requirements</b>		

<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
Select one of the following:		3
WRTG S211	*Writing and the Humanities	
WRTG S212	*Writing and the Professions	

<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	*Small Group Communication and Team Building <sup>1</sup>	
COMM S237	*Interpersonal Communication <sup>1</sup>	
COMM S241	*Public Speaking <sup>1</sup>	

<i>Computational Skills</i>		
MATH S105	Intermediate Algebra	4

<i>Other Skills</i>		
Advisor approved GER <sup>2</sup>		3-4

<b>Major Requirements</b>		
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S107	Diesel Fuel Systems	4
DESL S110	Diesel Engines	6
DESL S121	Basic Electrical Systems	3
DESL S125	Basic Hydraulics	3

DESL S130	Refrigeration and Air Conditioning	2
DESL S131	Electrical II	3
DESL S180	AC Power Generation	3
DESL S250	Heavy Duty Brakes and CDL Preparation	2
DESL S255	Heavy Duty Suspension and Alignment	2
DESL S260	Heavy Duty Power Trains	3
DESL S261	Marine Auxiliary Systems	3
DESL S262	Marine Auxiliary Systems Lab	2
DESL S263	Marine Transmissions	3
DESL S291	Internship: (Internship)	3
WELD S120	Basic Welding	3
<b>Total Credits</b>		<b>63</b>

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> Humanities, mathematics, natural sciences or social sciences course. Course must be at the 100-level or above.

## Fixed Plant Mechanic

Requirement	Hours
Minimum Credit Hours	60
General Education Requirements	16-17
Major Requirements	44

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	Writing Across Contexts	3
Select one of the following:		
WRTG S211	*Writing and the Humanities	
WRTG S212	*Writing and the Professions	
<i>Oral Communication Skills</i>		
Select one of the following:		
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	Small Group Communication and Team Building <sup>1</sup>	
COMM S237	Interpersonal Communication <sup>1</sup>	
COMM S241	Public Speaking <sup>1</sup>	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra	4
<i>Other Skills</i>		
Advisor approved GER <sup>2</sup>		3-4
<i>Major Requirements</i>		
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S110	Diesel Engines	6
DESL S125	Basic Hydraulics	3
DESL S140	Construction Drawing Interpretation	3
DESL S141	Precision Measuring Tools	2

DESL S142	Piping Systems	3
DESL S143	Industrial Rigging Principles	2
DESL S144	Conveyor and Drive Systems	3
DESL S225	Advanced Hydraulics	3
DESL S260	Heavy Duty Power Trains	3
DESL S261	Marine Auxiliary Systems	3
DESL S262	Marine Auxiliary Systems Lab	2
DESL S263	Marine Transmissions	3
WELD S120	Basic Welding	3
WELD S152	Intermediate Welding	3

**Total Credits** **60**

<sup>1</sup> Grade of C 2.00 or higher

<sup>2</sup> Humanities, mathematics, natural sciences or social sciences course at the 100-level or above

## Mine Mechanic

Requirement	Hours
Minimum Credit Hours	61
General Education Requirements	16-17
Major Requirements	45

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	Writing Across Contexts	3
Select one of the following:		
WRTG S211	*Writing and the Humanities	
WRTG S212	*Writing and the Professions	
<i>Oral Communication Skills</i>		
Select one of the following:		
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	Small Group Communication and Team Building <sup>1</sup>	
COMM S237	Interpersonal Communication <sup>1</sup>	
COMM S241	Public Speaking <sup>1</sup>	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra	4
<i>Other Skills</i>		
Advisor approved GER <sup>2</sup>		3-4
<b>Major Requirements</b>		
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S107	Diesel Fuel Systems	4
DESL S110	Diesel Engines	6
DESL S121	Basic Electrical Systems	3
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
DESL S131	Electrical II	3
DESL S180	AC Power Generation	3
DESL S225	Advanced Hydraulics	3

DESL S250	Heavy Duty Brakes and CDL Preparation	2
DESL S255	Heavy Duty Suspension and Alignment	2
DESL S260	Heavy Duty Power Trains	3
WELD S120	Basic Welding	3
WELD S152	Intermediate Welding	3
Advisor approved Power Technology elective		3
<b>Total Credits</b>		<b>61</b>

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> Humanities, mathematics, natural sciences or social sciences course. Course must be at the 100-level or above.

## Bachelor's Degrees

The bachelor degree is awarded upon the successful completion of a prescribed program of requirements.

<b>Minimum credit requirements</b>	120 semester credits
General Education requirements	34 semester credits
Upper Division requirement	42-48 semester credits for bachelor degrees
Resident credit requirement	30 semester credits, 24 must be upper division
Alaska Native Knowledge Graduation Requirement	3 semester credits for bachelor degrees
Additional special requirements	Some degrees require completion of a portfolio or other assessment of student achievement. See specific degree information for details.

### Bachelor Degrees Available:

- Bachelor of Arts
  - Biology (p. 73)
  - Elementary Education (p. 77)
  - English (p. 79)
  - Environmental Studies (p. 83)
  - Social Science (p. 97)
  - Special Education (p. 100)
- Bachelor of Business Administration
  - Accounting (p. 75)
  - Human Resource Management (p. 75)
  - Management (p. 75)
  - Management Information Systems (p. 75)
- Bachelor of Liberal Arts

- Independent Design (p. 90)
- Interdisciplinary Studies (p. 90)
- Designated Emphases:
  - Alaska Native Languages and Studies (p. 90)
  - Outdoor and Adventure Studies (p. 90)

#### • Bachelor of Science

- Biology (p. 74)
- Environmental Science (p. 82)
- Environmental Resources (p. 80)
- Fisheries and Ocean Science with a Concentration in Fisheries Science (p. 85)
- Marine Biology (p. 95)
- Mathematics (p. 96)

## Double Majors

B.S. and B.A. degree-seeking students may graduate with two majors provided both majors are for the same type of degree. For example, a student may graduate with a double major in Marine Biology and Mathematics as they are both majors for a B.S. degree. For another example, a student may graduate with a double major in Art and English as they are both majors for a B.A. degree. A double major is earned by completing all general education and all degree requirements of both majors. Students must apply for and be accepted into both majors. Students may declare a double major at the time of initial admission to UAS or add a major at a later date through the change of major/degree process. The degree requirements must follow a single catalog for both majors. You may not double major within the same discipline such as B.S. Biology and B.S. Marine Biology.

## Additional Degrees

**Second Associate Degree:** An Associate of Applied Science as a second degree requires completion of a minimum of 12 semester hours of credit beyond the first (or latest) Associate of Applied Science degree. All general University requirements and degree requirements of the major must be met for each degree.

As the Associate of Arts degree is intended to provide a student with a basis of general education in order to undertake bachelor degree work, only one A.A. may be earned by a student.

**Second Bachelor Degree:** A second bachelor degree requires completion of a minimum of 24 semester hours of credit beyond the first bachelor degree. All general University requirements, degree requirements, and requirements of the major must be met for both degrees. Students who have earned a bachelor degree from a University other than UAS, must apply for admission and comply with all general University and program requirements.

## General Education Requirements for Associate and Bachelor Degrees

This requirement was developed to enhance academic advising and to accommodate transferability and applicability of courses to general education requirements for students transferring from one unit to another. It encompasses those areas of knowledge common to associate and bachelor degrees and thus represent the minimum standards for general education.

However, courses are not necessarily offered **every** semester. Students are advised to seek advisor assistance in meeting program degree requirements.

NOTE: Some degree programs **require** specific courses be included in the GERs. Students should consult the degree requirements section of this catalog for the degree into which they are admitted to determine which courses should be taken as part of the 34 credit-hour-minimum general education requirements. If required courses are not taken as GERs, they must be taken as requirements or electives. Any given course may be counted as fulfilling more than one requirement in a degree program but the credit hour can only be counted once.

**History** courses may be counted to fulfill the humanities **or** the social science requirements, but not both.

## Degree Seeking Status for Undecided Students

UAS offers a variety of bachelor degree options, and incoming students may not know which degree they would like to pursue. Students need time to explore, gather information and identify and examine alternatives. Undecided bachelor degree-seeking students should select the Undeclared option at the time of admission.

Undeclared students are advised in the Student Resource Center. As an undeclared or deciding applicant, students who have not selected a specific degree program when they arrive, will choose a degree by working with their advisors and exploring career options. This transition usually takes place within the student's first year at UAS.

Based on the student's interests, goals and academic background, an advisor assists the student in the preparation of an individualized program to explore various academic disciplines and at the same time fulfill general education and other course requirements or electives.

## Alaska Native Knowledge Graduation Requirement (3 credits total)

The University of Alaska Southeast is situated upon the ancestral home of the living and vibrant cultures of the Haida, Tlingit, and Tsimshian peoples. In order to fulfill the UAS mission, and to maintain itself as a world-class destination for interdisciplinary research and study for which it bears great potential, the **Alaska Native Knowledge Graduation Requirement (ANKGR)** has been adopted at the University of Alaska Southeast in order to graduate with a Baccalaureate degree.

The Alaska Native Knowledge Graduation Requirement has been enacted to ensure that all graduates of UAS programs have

a basic level of knowledge when it comes to the Indigenous peoples of Alaska. This requirement does not add to the total number of credits required for General Education Requirement (GER) or degree completion. Although the Alaska Native themed course requirement is separate from GERs, some ANKGR courses are also GERs. These courses are marked with an asterisk, and can count towards both a GER and the ANKGR.

The following list of courses will fulfill the Alaska Native Knowledge Graduation Requirement at UAS:

Code	Title	Credits
<b>Select from the following (3 credits total):</b>		
<i>Alaska Native Languages</i>		
AKL S105	*Beginning Tlingit I	
AKL S106	*Beginning Tlingit II	
AKL S107	*Beginning Haida I	
AKL S108	*Beginning Haida II	
AKL S109	*Beginning Tsimshian I	
AKL S110	*Beginning Tsimshian II	
AKL S120	Introduction to Tlingit Reading and Writing	
AKL S205	*Intermediate Tlingit I	
AKL S206	*Intermediate Tlingit II	
AKL S207	*Intermediate Haida I	
AKL S208	*Intermediate Haida II	
AKL S305	Advanced Tlingit I	
AKL S306	Advanced Tlingit II	
AKL S307	Advanced Haida I	
AKL S308	Advanced Haida II	
AKL S350	Tlingit Oral Literature	
AKL S401	Alaska Language Apprenticeship/Mentorship	
AKL S410	Indigenous Language Curriculum Design & Instruction	
<i>Alaska Native Studies</i>		
ANS S101	*Introduction to Alaska Native Studies	
ANS S240	Indigenous Oral Literature	
ANS S260	Alaska Native Organizations and Economies	
ANS S320	AK Native Ecological Knowledge	
ANS S360	Introduction to Federal Indian Law	
ANS S365	Indigenous Social Movements	
ANS S460	ANCSA and Tribal Governance	
<i>Alaska Native Arts</i>		
ART S181	*Beginning Northwest Coast Indigenous Design	
ART S189	Northwest Coast Tool Making	
ART S215	Beginning Weaving	
ART S263	*Northwest Coast Native Art History & Culture	
ART S281	Intermediate Northwest Coast Design	

ART S282	Beginning Northwest Coast Basketry
ART S285	Beginning Northwest Coast Carving
ART S286	Beginning Northwest Coast Woolen Weaving
ART S350	Northwest Coast Art Theory and Practice
ART S381	Advanced Northwest Coast Design
ART S382	Intermediate Northwest Coast Basketry
ART S385	Intermediate Northwest Coast Carving
ART S386	Intermediate Northwest Coast Woolen Weaving
ART S482	Advanced Northwest Coast Basketry
ART S485	Advanced Northwest Coast Carving
ART S486	Advanced Northwest Coast Woolen Weaving
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives
ENGL S370	Native American Literature

### Transferability

Coursework completed at UAA, UAF, and their affiliate campuses that fulfills the **Alaska Native Knowledge Graduation Requirement** at those institutions is transferable. Students may petition to have coursework that is not currently listed as ANKGR courses count towards this requirement, provided that it meets the Student Learning Outcomes listed below specific to Alaska Native Knowledge. Course substitution forms may be submitted to the Chancellor's Advisory Committee on Alaska Native Education (CACANE), which meets monthly. Because of the emphasis on Alaska Native Knowledge, however, courses offered outside of Alaska are unlikely to fulfill this requirement. Below are the steps to request a course substitution for the Alaska Native Knowledge Graduation requirement (ANKGR).

**Step one:** A student's faculty advisor submits an Academic Course Substitution form to CACANE Co-Chairs including the course requested to fulfill the ANKGR. CACANE Faculty Co-Chair and CACANE Staff Co-Chair shall approve courses that clearly meet the intent of the ANKGR. If approved, they will sign the Academic Course Substitution form and send it to the Registrar and any faculty advisors who forwarded the request.

**Step two:** If there are any uncertainties, then the substitution will be placed on the monthly agenda of CACANE and will be voted on at the next meeting. In the case of an urgent student deadline, consensus may be reached via email. When these requests are forwarded to all members of CACANE, student identifying information will be removed and the vote will focus on the course in question, and whether it meets the intention of the ANKGR. Notice will be given to the Registrar and any faculty advisors who forwarded the request.

### Adding Courses to the Alaska Native Knowledge Graduation Requirement

Existing courses may be added to the ANKGR list if they include the appropriate Student Learning Outcomes approved by the Alaska Native Studies Council (listed below) and are approved by the CACANE. Courses submitted should have Alaska Native languages and/or ways of knowing as the intellectual focus of the class and not as one of many subjects that are examined through a non-Indigenous intellectual framework. Faculty members wishing to add a course to the list will submit a course description, SLOs, and syllabus to CACANE by September 1 for consideration for the following academic year. If approved by CACANE, the faculty member can then submit the course through the Curriculum Committee to be added to the list and will include the approval correspondence provided by CACANE.

Instructional Goals: The instructor will	Student Learning Outcomes: Students will be able to	Assessment Methods
<b>Suggested for all classes:</b>		
Model respect for non-Western ways of thought and expression.	Explicate and cite works of Alaska Native and Indigenous scholars as secondary and primary sources.	Reading responses, discussions, exams, papers, presentations

### Suggested for classes with Alaska themes or topics:

Foster knowledge of the diversity of Alaska Native people by language and region.	Recognize Alaska Native diversity by language, region, and tribal identity.	Exams, papers, presentations
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------	------------------------------

### Suggested for relevant Humanities classes:

Assist students in understanding Alaska Native perspectives and worldviews.	Identify and evaluate the complexity and sophistication of Alaska Native knowledge systems and social institutions in historical and contemporary contexts.	Exams, papers, presentations
-----------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------

### Suggested for relevant Social Science classes:

Present the dynamics of historical continuity and change with a focus on instructor's area of expertise.	Summarize and discuss themes and topics related to Alaska Native history in each of three eras: pre-colonial contact, Western contact, and contemporary colonialism.	Exams, papers, presentations, creative works, writing assignments, discussions, field trips
----------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

**UAS regional:**

Guide students toward recognition of ancestral relationships to place in Southeast Alaska.	Define and discuss Reciprocity, Respect, and Kinship as inherent qualities of place in Tlingit, Haida, Tsimshian, and Eyak worldviews.	Exams, papers, presentations, creative works, writing assignments, discussions, field trips
--------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

## Biology, B.A.

### Juneau

The B.A. degree in Biology provides students with the opportunity to learn biological principles and skills in lecture, laboratory and field courses with a breadth in liberal arts and sciences. Students have the option to choose a Fisheries Science Emphasis or to pursue General Electives. Program assessment plans and student learning outcomes are posted on the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Admission Requirements

Applicants enter as pre-majors and will be considered for full admission to the B.A. in Biology after completion of the following:

Code	Title	Credits
BIOL S115 & BIOL S116	*Fundamentals of Biology I and *Fundamentals of Biology II	8
MATH S151	*College Algebra for Calculus <sup>1</sup>	4
WRTG S111	*Writing Across Contexts	3
High school chemistry, or a C (2.00) or higher in either CHEM S103 or CHEM S105.		

<sup>1</sup> May be met by placement examination.

When a student becomes a major in Biology, he or she is assigned a faculty advisor. The student and faculty advisor plan the student's curriculum, and the advisor's signature is required on registration documents.

Candidates must complete the General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below for a minimum of 120 credit hours. Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GERs. Specific requirements for GERs are listed below. The degree must include 44 credits of upper-division (300 or above)

courses. To satisfy the residency requirement, 30 credits must be completed at UAS, including 24 upper division credits.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	36
Alaska Native Knowledge Graduation Requirement	3
Major Requirements	36
Biology Electives	10
General Electives	38

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements which must include the following:		36
BIOL S115	*Fundamentals of Biology I	
BIOL S116	*Fundamentals of Biology II	
MATH S151	*College Algebra for Calculus	

<b>Major Requirements</b>		
BIOL S271	Ecology	4
BIOL S310	Animal Physiology <sup>2</sup>	4
BIOL S362	Genetics	4
BIOL S482	Evolution	4
CHEM S105	*General Chemistry I	3
CHEM S105L	General Chemistry I Laboratory	1
CHEM S106	*General Chemistry II	3
CHEM S106L	General Chemistry II Laboratory	1
MATH S152	*Trigonometry (or higher) <sup>1</sup>	3
STAT S200	*Elementary Statistics	3
Select six credits from at least two disciplines in the following:		6

ENVS S102	*Earth and Environment (or higher)	
GEOL S104	*Physical Geology (or higher)	
PHYS S165	*Introduction to Astronomy	
STAT S373	Probability and Statistics (or higher)	

<b>Biology Electives</b>		
Select 10 credits of the following:		10
BIOL S215	Introduction to Marine Biology	
BIOL S239	Introduction to Plant Biology	
BIOL S311	Communicating Science	
BIOL S349	Biological Oceanography	
BIOL S353	Tropical Marine and Coastal Ecology	
BIOL S355	Experimental Design and Data Analysis	
BIOL S373	Conservation Biology	
BIOL S375	Current Topics in Biology: <sup>3</sup>	
BIOL S380	Marine Ornithology and Herpetology	
BIOL S384	Marine Mammalogy	

BIOL S396	Field Studies in Behavior and Ecology <sup>4</sup>
BIOL S398 or BIOL S498	Individual Research <sup>4</sup> Research in Biology
BIOL S405	Invertebrate Zoology
BIOL S410	Physiology of Marine Animals
BIOL S427	Introduction to Ichthyology
BIOL S441	Animal Behavior
BIOL S480	Aquatic Pollution
BIOL S481	Marine Ecology
BIOL S492	Biology Seminar <sup>3</sup>

All Biology students have the option of pursuing a Fisheries Science Emphasis, which will satisfy up to 21 of the 38 General Elective requirements.

#### **Fisheries Science Emphasis Requirements 19-21**

*Must include 13 credits:*

BIOL S110	Introduction to Marine Fisheries Science <sup>5</sup>
BIOL S427	Introduction to Ichthyology
FISH F288	(Fish and Fisheries of Alaska) <sup>5</sup>
FISH F487	(Fisheries Management) <sup>5</sup>

Select two additional electives in BIOL (UAS) or FISH (UAF) with advisor permission (6-8 credits).

#### **General Electives up to 38**

To include upper-division courses as needed to meet 44 upper division credits required for degree.

- <sup>1</sup> Course credit may vary for higher level Math courses.
- <sup>2</sup> Or any Upper Division Chemistry Course (4 credits).
- <sup>3</sup> Only 4 credits from BIOL S375 and 2 credits from BIOL S492 may be applied toward the Biology electives. Others may be applied toward General Electives.
- <sup>4</sup> Up to 6 credits total from BIOL S396/398/498 may be applied.
- <sup>5</sup> May be applied toward the Biology Electives and General Electives for students not pursuing the emphasis.  
FISH courses available from UAF distance or face-to-face at the Lena Point SFOS facility.

## **Biology, B.S.**

### **Juneau**

The Bachelor of Science degree in Biology provides students with the opportunity to learn biological principles and skills in lecture, laboratory and field courses. Student research is also emphasized throughout the program. Program faculty are actively involved in a wide range of disciplines, including marine ecology, evolution, marine mammalogy, invertebrate physiology, cryobiology, biological oceanography, aquatic contaminant studies, and marine fisheries. Students have the option to choose a Fisheries Science Emphasis or to pursue General Electives. The location of the University provides students with a "natural laboratory" that includes extensive marine habitat, rainforest, wetlands, and ice fields all within walking distance of the classrooms. A small student-to-professor ratio ensures a more personal approach to learning than is possible at larger universities. The Bachelor of Science program in biology comprises a core curriculum generally found nationwide in bachelor of science

biology programs. Additional information about the biology program can be found at [https://uas.alaska.edu/arts\\_sciences/naturalsciences/biology/index.html](https://uas.alaska.edu/arts_sciences/naturalsciences/biology/index.html) ([https://uas.alaska.edu/arts\\_sciences/naturalsciences/biology/](https://uas.alaska.edu/arts_sciences/naturalsciences/biology/)). Program assessment plans and student learning outcomes are posted on the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## **Admission Requirements**

Applicants enter as pre-majors and will be considered for full admission into the Bachelor of Science in Biology program after completion of the following:

<b>Code</b>	<b>Title</b>	<b>Credits</b>
BIOL S115 & BIOL S116	*Fundamentals of Biology I and *Fundamentals of Biology II	8
MATH S151	*College Algebra for Calculus <sup>1</sup>	4
WRTG S111	*Writing Across Contexts	3
High school chemistry or CHEM S103 with a C (2.00) or higher.		

<sup>1</sup> May be met by placement examination.

When a student enters the major in Biology he or she is assigned a faculty advisor. The student and faculty advisor plan the student's curriculum, and the advisor's signature is required on registration documents.

Candidates must complete the General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below for a minimum of 120 credit hours. Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GERs. Specific recommendations for the GERs in Biology are listed below. Degree must include 44 credit hours of upper-division (300 or above) courses, 24 of which must be completed at UAS.

<b>Requirement</b>	<b>Hours</b>
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	36
Alaska Native Knowledge Graduation Requirement	3
Major Requirements	43
Biology Electives	20
General Electives	21

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b>General Education Requirements</b>		
Complete all General Education Requirements which must include the following:		36
BIOL S115	*Fundamentals of Biology I	
BIOL S116	*Fundamentals of Biology II	
MATH S251	Calculus I <sup>1</sup>	
<b>Major Requirements</b>		
BIOL S271	Ecology	4
BIOL S310	Animal Physiology	4

BIOL S362	Genetics	4
BIOL S482	Evolution	4
CHEM S105	*General Chemistry I	3
CHEM S105L	General Chemistry I Laboratory	1
CHEM S106	*General Chemistry II	3
CHEM S106L	General Chemistry II Laboratory	1
CHEM S321	Organic Chemistry I	4
CHEM S342	Biochemistry	4
STAT S200	*Elementary Statistics	3
Select one of the following Physics sequences:		8
PHYS S123 & PHYS S124	*College Physics I and *College Physics II	
PHYS S211 & PHYS S212	*General Physics I and *General Physics II	

### Biology Electives

Select from the following for a minimum of 20 credits:		20
BIOL S215	Introduction to Marine Biology	
BIOL S239	Introduction to Plant Biology	
BIOL S311	Communicating Science	
BIOL S349	Biological Oceanography	
BIOL S353	Tropical Marine and Coastal Ecology	
BIOL S355	Experimental Design and Data Analysis	
BIOL S373	Conservation Biology	
BIOL S375	Current Topics in Biology: <sup>2</sup>	
BIOL S380	Marine Ornithology and Herpetology	
BIOL S384	Marine Mammalogy	
BIOL S396	Field Studies in Behavior and Ecology <sup>3</sup>	
BIOL S398/S498	Individual Research <sup>3</sup>	
BIOL S405	Invertebrate Zoology	
BIOL S410	Physiology of Marine Animals	
BIOL S427	Introduction to Ichthyology	
BIOL S441	Animal Behavior	
BIOL S480	Aquatic Pollution	
BIOL S481	Marine Ecology	
BIOL S492	Biology Seminar <sup>2</sup>	
ENVS S414	Biogeochemistry	
ENVS S416	Biogeography and Landscape Ecology	

All Biology students have the option of pursuing a Fisheries Emphasis, which will satisfy up to 21 of the 21 General Elective requirements.

### Fisheries Science Emphasis Requirements 19-21

Must include (13 credits):		13
BIOL S110	Introduction to Marine Fisheries Science <sup>4</sup>	
BIOL S427	Introduction to Ichthyology	
FISH F288	(Fish and Fisheries of Alaska) <sup>4</sup>	
FISH F487	(Fisheries Management) <sup>4</sup>	

Select two additional electives in BIOL (UAS) or FISH (UAF) with advisor permission (6-8 credits).

### General Electives

Include upper-division courses as needed to meet 44 up to 21 upper division credits required for degree.

- <sup>1</sup> Prerequisites include MATH S151 and MATH S152
- <sup>2</sup> Only 4 credits from BIOL S375 and 2 credits from BIOL S492 may be applied toward the biology electives. Additional credits may be applied toward electives.
- <sup>3</sup> Up to 6 credits total from BIOL S396/BIOL S398/BIOL S498 may be applied.
- <sup>4</sup> May be applied toward the Biology Electives and General Electives for students not pursuing the emphasis. FISH courses available from UAF distance or face-to-face at the Lena Point SFOS facility.

## Business Administration, B.B.A.

### Juneau, e-Learning

The B.B.A. program provides a course of study that

1. prepares students for professional positions in private or public business fields,
2. prepares them to evaluate and exploit viable business opportunities, and
3. prepares them for graduate study in business and related disciplines.

Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Admission Requirements

To be formally admitted to the B.B.A. program, a student must be in good standing at the University.

Candidates must complete the G (p. 208) General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed in this section for a minimum of 120 credit hours. Any given course may be counted as fulfilling more than one requirement in a degree program, but the credit hours can only be counted once. Degrees must include 42 credits of upper-division (300 or above) courses, 24 of which must be completed at UAS. Courses used as major requirements cannot be used as GERs.

A minimum grade of C- (1.70) must be earned in all accounting and business administration prerequisite courses as well as math (through MATH S151). In addition, all students in the Bachelor of Business Administration (B.B.A.) program must either test out of or earn a C- or better in 3 hours of CIS spreadsheet or database courses, STAT S200, major and emphasis courses, and BA S462. Students should complete the computer courses within their first sixty (60) credit hours.

Students in any of the business programs who are deemed deficient in any of the competency areas may be required to take additional courses to strengthen their skills before graduation. Any such additional courses can usually be counted as a program elective. Requiring supplementary course work will

be considered if two different faculty members indicate a student has a weakness in the same outcome area.

## Dual Emphasis <sup>1</sup>

B.B.A. degree seeking students may pursue dual emphasis areas in Accounting, Management Information Systems, and Management or Human Resource Management. Planning the dual emphasis must be done with the aid of the student's primary advisor. Students must complete all major requirements and emphasis courses, and should be aware that this may require more than 120 total credits.

- <sup>1</sup> Dual Emphasis is not an option between Human Resource Management and Management.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	35
Alaska Native Knowledge Graduation Requirement	3
Major Requirements	61-70
Emphasis Areas	15-24

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements which must include the following:		35
MATH S151	*College Algebra for Calculus (or higher)	
ECON S201	*Principles of Macroeconomics	
ECON S202	*Principles of Microeconomics	
<b>Major Requirements</b>		
<i>Lower Division Courses</i> <sup>1</sup>		
ACCT S201	Principles of Financial Accounting <sup>2</sup>	3
ACCT S202	Principles of Managerial Accounting	3
BA S151	Introduction to Business	3
BA S251	Management Skills	3
BA S263	Business Communications	3
CIS S235	Spreadsheet Concepts and Applications	3
BA S374	Introduction to Quantitative Methods	3
or STAT S200	*Elementary Statistics	
<i>Upper Division Courses</i> <sup>1</sup>		
BA S301	Principles of Management	3
BA/CIS S310	Management Information Systems <sup>3</sup>	3
BA S325	Financial Management	3
BA S330	Legal Environment of Business	3
BA S343	Principles of Marketing	3
BA S462	Capstone: Strategic Management	3
BA S476	Project Management	3

BA S490	The Political and Social Environment of Business	3
BA S498	Applied Business Research <sup>3</sup>	3
Advisor approved electives <sup>4</sup>		0-6
Electives (or second B.B.A. emphasis)		16

### Business Administration Emphasis Area

Complete an emphasis.	15-24
<b>Total Credits</b>	<b>120</b>

- <sup>1</sup> Lower division courses must be substantially completed before admission to upper division courses. In cases where some lower division courses have not yet been completed, permission is required to take upper division core or emphasis classes.
- <sup>2</sup> ACCT S121 and ACCT S122 will meet ACCT S201 requirement.
- <sup>3</sup> Not required for accounting emphasis.
- <sup>4</sup> Courses with ACCT, BA, CIS, or LAWS designators are pre-approved. Other courses need advisor approval.

## Business Administration Emphasis Areas

### Accounting

Code	Title	Credits
ACCT S310	Income Tax for Individuals	3
ACCT S311	Intermediate Accounting I	3
ACCT S312	Intermediate Accounting II	3
ACCT S316	Accounting Information Systems	3
ACCT S342	Advanced Managerial Cost	3
ACCT S379	Fund and Governmental Accounting	3
ACCT S452	Auditing	3
ACCT S454	Fraud and Forensic Examination	3

<b>Total Credits</b>	<b>24</b>
----------------------	-----------

### Human Resource Management

Code	Title	Credits
BA S351	Organizational Effectiveness	3
BA S361	Human Resource Management	3
BA S451	Employee Engagement and Total Rewards	3
BA S466	Strategic Human Resource Management	3
BA S481	Organizational Change	3

<b>Total Credits</b>	<b>15</b>
----------------------	-----------

### Management

Code	Title	Credits
BA S351	Organizational Effectiveness	3
BA S361	Human Resource Management	3
BA S412	Operations Management and Production	3
BA S487	International Business	3
BA S454	Fraud and Forensic Examination	3
or BA S481	Organizational Change	

<b>Total Credits</b>	<b>15</b>
----------------------	-----------

**Management Information Systems**

Code	Title	Credits
CIS S170	Programming Fundamentals	3
CIS S345	IT Infrastructure	3
CIS S371	Systems Analysis and Design	3
CIS S420	Information Security Management	3
CIS S430	Database Management Systems	3
<b>Total Credits</b>		<b>15</b>

## Elementary Education, B.A.

**Juneau, On-site and e-Learning**

**Contact:** Dr. Jeffrey Lofthus  
(907) 796-6404  
jllofthus@alaska.edu

The Bachelor of Arts in Elementary Education prepares students for recommendation in the state of Alaska for initial teaching certification in grades K-8. This program is for students in Alaska who desire the flexibility of an e-Learning program. Students in this program **must** be self-directed learners, have access to high speed internet connections, and prepare for a 9-month intensive student teaching experience in their senior year. Students are assessed relative to national and state standards, including Council for Accreditation of Educator Preparation (CAEP) standards, the Alaska Teacher Standards, the Alaska Student Content Standards, and the Alaska Standards for Culturally Responsive Schools.

The degree requirements are interdisciplinary and provide breadth in the content areas necessary for successful teaching at an elementary level and depth in the opportunities to connect theory and practice in a variety of real classroom, school, and community contexts.

The main components of this program include:

1. subject area coursework in UAS General Education Requirements (GERs);
2. additional subject area coursework in those areas important for successful teaching at an K-8 level;
3. foundation courses in education with practical experiences in the schools; and
4. a capstone year-long experience where the professional education courses are integrated with field experiences and student teaching.

Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Admission Requirements

Applicants will be considered for initial admission into the Bachelor of Arts in Elementary Education program after completing all UAS general admission requirements.

## Admission to Senior Year Student Teaching

In addition to the above admission requirements, all students entering the senior year are required to have successfully completed the following:

1. Minimum GPA of 3.00
2. Successful completion of all pre-senior year courses with grades of C 2.00 (not C-) or better
3. Praxis Core/CASE or CBEST exam scores meeting Alaska DEED cut scores and Praxis Subject Assessment Elementary Education 5017 or 5018
4. Application for student teacher candidacy including education philosophy/theory essay, current resume, letter of introduction to future host teacher and principal, and two letters of recommendation from someone other than an education professor speaking to the student's potential as a certified teacher

## Exit Criteria

3.00 GPA, successful completion of all program courses with grades of C 2.00 (not C-) or better.

Students must complete the GERs, the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements as listed for a minimum of 120 credit hours. Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GERs. Specific recommendations for the GERs in Elementary Education are listed below. Degree must include 42 credit hours of upper-division (300 or above) courses, 24 of which must be completed at UAS.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	42-48
Alaska Native Knowledge Graduation Requirement	3
Breadth Requirements	23
Major Requirements	55

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
WRTG S211	*Writing and the Humanities	3
<i>Oral Communication Skills</i>		
Select one of the following: <sup>1</sup>		3
COMM S111	*Fundamentals of Oral Communication	
COMM S235	*Small Group Communication and Team Building	
COMM S237	*Interpersonal Communication	
COMM S241	*Public Speaking	

*Computational Skills*

MATH S151 or STAT S107	*College Algebra for Calculus *Survey of Statistics	4
---------------------------	--------------------------------------------------------	---

*Humanities*

Select two of the following: 6

ART S160	*Art Appreciation	
MUS S123	*Music Appreciation	
THR S111	*Theatre Appreciation	

Select one of the following: 3

HIST S105	*World History I	
HIST S106	*World History II	

*Social Science*

GEOG S101	*Local Places, Global Regions: Introduction to Geography	3
-----------	-------------------------------------------------------------	---

PS S101	*Introduction to American Government	3
---------	-----------------------------------------	---

PSY S111	*Introduction to Psychology	3
----------	-----------------------------	---

*Science*

Select either: 4-8

BIOL S103	*Biology and Society	
or BIOL S115 & BIOL S116	*Fundamentals of Biology I and *Fundamentals of Biology II	

Select one Physical Science and one Earth/Space  
Science course: 7-8

*Physical Sciences*

CHEM S103	*Introduction to General Chemistry	
-----------	---------------------------------------	--

Or other advisor-approved physical science lab GER  
course.

*Earth/Space Sciences*

OCN S101	*Introduction to Oceanography	
ENVS S102	*Earth and Environment	
GEOG S104	*Physical Geology	
GEOG S105	*Geological History of Life	

**Breadth Requirements <sup>2</sup>***Computational Skills*

MATH S211	Mathematics for Elementary School Teachers I	3
-----------	-------------------------------------------------	---

MATH S212	Mathematics for Elementary School Teachers II	3
-----------	--------------------------------------------------	---

*Humanities*

PE S100	Health and Fitness	1
---------	--------------------	---

PE Elective		1
-------------	--	---

Advisor approved English writing or literature course 3

HIST S131	*History of the U.S. I	3
or HIST S132	*History of the U.S. II	

*Social Science*

PSY S245	Child Development	3
or PSY S250	*Lifespan Development	

Select one of the following: 3

ANS S101	*Introduction to Alaska Native Studies <sup>3</sup>	
----------	--------------------------------------------------------	--

ANS S320	AK Native Ecological Knowledge <sup>3</sup>	
----------	------------------------------------------------	--

ALST S300	Alaska Studies	
-----------	----------------	--

ANTH S200	Alaska Native Cultures	
-----------	------------------------	--

ANTH S475	Alaska Native Social Change	
-----------	-----------------------------	--

HIST S341	History of Alaska	
-----------	-------------------	--

Advisor approved elective <sup>4</sup>

*Other Skills*

Advisor approved elective 3

**Major Requirements**

ED S222	Orientation to the Teaching Profession	3
---------	-------------------------------------------	---

ED S230	Introduction to Educational Technology	3
---------	-------------------------------------------	---

ED S302	Foundations of Literacy and Language Development <sup>5</sup>	3
---------	------------------------------------------------------------------	---

ED S320A	Art in the K-8 Curriculum	1
----------	---------------------------	---

ED S320B	Physical Education in the K-8 Curriculum	1
----------	---------------------------------------------	---

ED S320C	Music in the K-8 Curriculum	1
----------	-----------------------------	---

ED S320D	Drama in the K-8 Curriculum	1
----------	-----------------------------	---

ED S320E	Health in the K-8 Curriculum	1
----------	------------------------------	---

ED S333	The Learner and the Learning Process	3
---------	-----------------------------------------	---

ED S380	Multicultural Education	3
---------	-------------------------	---

EDSE S482	Inclusive Education for Students with Disabilities	3
-----------	-------------------------------------------------------	---

ED S405	Children's Literature in the Alaska Context	3
---------	------------------------------------------------	---

*Senior Year Requirements <sup>6</sup>*

ED S416	Teaching Literacy in the K-8 Curriculum	4
---------	--------------------------------------------	---

ED S417	Teaching Social Studies in the K-8 Curriculum	2
---------	--------------------------------------------------	---

ED S427	Teaching Math in the K-8 Curriculum	3
---------	----------------------------------------	---

ED S428	Teaching Science in the K-8 Curriculum	2
---------	-------------------------------------------	---

ED S448	Classroom Management in K-8 Classrooms	3
---------	-------------------------------------------	---

ED S452	Student Teaching	7
---------	------------------	---

ED S460	Integrated Curriculum and Instruction	3
---------	------------------------------------------	---

ED S494A	Applications of Teaching: Field Work (Applications of Teaching: Field Work)	3
----------	-----------------------------------------------------------------------------------	---

ED S498	Professional Portfolio Preparation	2
---------	---------------------------------------	---

**Total Credits 120**

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> This area is designed to provide breadth necessary for elementary classroom teaching and depth necessary to respond to CAEP Standards and Alaska Student Content Standards.

<sup>3</sup> This course meets the Alaska Native Knowledge Graduation Requirement.

<sup>4</sup> Must be Alaska Department of Education approved course for Alaska Studies.

<sup>5</sup> Requires passing scores on Praxis Core Academic Skills for Educators (CASE) or passing scores on DEED approved Basic Competency Exams (BCE).

<sup>6</sup> All course work, other criteria listed above and Praxis Core/Case and Praxis Subject Assessment Elementary Education must be successfully completed prior to the start of the senior year.

## English, B.A.

### Juneau, e-Learning

## Admission Requirements

Students are admitted to the program after admission to UAS and declaring an English major. At the time of admission, they will be assigned to an academic advisor in the humanities department.

Candidates must complete the General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below. Courses may not be used to fulfill more than one requirement in the B.A. program. Students must complete 42 credits of upper-division courses (24 of these must be UAS credits). A maximum of 12 credits of independent study may be applied toward the B.A. in English.

The B.A. in English provides a broad foundation in the liberal arts as well as specialized training in language and literature. The program is designed to provide students with knowledge of English and American literature and culture and their multicultural contexts, and advanced skills in critical reading, research, writing, speaking, and problem solving. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/assessment.html>). This degree can be completed on the Juneau campus or fully online, or a combination of both.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Alaska Native or Other Language (not English)	6-8
Major Requirements	12
Emphasis Requirement	18-21
Electives	53-56

Code	Title	Credits
<b>General Education Requirements</b>		
Complete General Education Requirements which must include the following:		34
<i>Humanities</i>		
ENGL S226	*Survey of American Literature 1800-Present	3
<b>Alaska Native or Other Language (not English)</b>		
Language courses <sup>1</sup>		6-8

### Major Requirements

ENGL S200	*World Literature	3
ENGL S215	*Introduction to Literary Study	3
ENGL S217	*Introduction to Film Studies	3
Select one of the following:		3

ENGL S311	The Art of the Essay
ENGL S362	Memoir Writing
ENGL S363	Nature Writing

### Emphasis Requirement

Complete an emphasis area.	18-21
----------------------------	-------

### Electives

Select 53-56 credits of electives. <sup>2</sup>	53-56
-------------------------------------------------	-------

<b>Total Credits</b>	<b>120</b>
----------------------	------------

<sup>1</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have a documented proficiency in a language (other than English), will be considered to have met their language requirement.

<sup>2</sup> Upper division credits as needed.

## English Emphasis Areas

### Creative Writing Emphasis

Code	Title	Credits
<b>Workshop Requirements</b>		
ENGL S261	*Introduction to Creative Writing	3
ENGL S461	Advanced Creative Writing: Selected Topics <sup>1</sup>	6

### Literature Requirements

Select three of the following:		9
AKL S350	Tlingit Oral Literature	
ENGL S303	Literature and the Environment	
ENGL S334	Detective Fiction / Criminal Geographies	
ENGL S342	History and Theory of Documentary Film	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
ENGL S418	Advanced Themes in Literature: Selected Topics	
ENGL S419	Major Authors: Selected Topics	
ENGL S420	Genre Studies: Selected Topics	
ENGL S422	Literary Periods: Selected Topics	
ENGL S423	Ecocriticism	

### Internship or Thesis

ENGL S491	Internship (English Internship) <sup>2</sup>	3
or ENGL S499	Thesis	

<b>Total Credits</b>	<b>21</b>
----------------------	-----------

<sup>1</sup> Repeated for a total of 6 credits.

<sup>2</sup> May be repeated once for credit

## Literature Emphasis

Code	Title	Credits
Select four of the following: <sup>1</sup>		12
AKL S350	Tlingit Oral Literature	
ENGL S303	Literature and the Environment	
ENGL S334	Detective Fiction / Criminal Geographies	
ENGL S342	History and Theory of Documentary Film	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
ENGL S418	Advanced Themes in Literature: Selected Topics	
ENGL S419	Major Authors: Selected Topics	
ENGL S420	Genre Studies: Selected Topics	
ENGL S422	Literary Periods: Selected Topics	
Select one of the following: <sup>2</sup>		3
AKL S350	Tlingit Oral Literature	
ENGL S303	Literature and the Environment	
ENGL S363	Nature Writing <sup>3</sup>	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
ENGL S423	Ecocriticism	
ENGL S499	Thesis	3
or HUM S499	Humanities Capstone	
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> At least one of these literature courses must focus on British literature before 1800 or Tlingit Oral Literature.

<sup>2</sup> Select at least one from the following courses or from a topics course that focuses on an aspect of Alaska's natural or cultural heritage.

<sup>3</sup> ENGL S363 may be taken once to fulfill both the upper-level writing requirement and the Alaska-Nature-Culture requirement for the Literature Emphasis of the B.A. in English. In this case, the English major with a Literature Emphasis must substitute another 300 or 400-level literature course to fulfill the requirement for at least five courses (or 15 credits) at this level.

## Literature and the Environment Emphasis

Code	Title	Credits
ENGL S303	Literature and the Environment	3
ENGL S423	Ecocriticism	3
Select one of the following:		3
ENGL S363	Nature Writing <sup>1</sup>	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	

Select two of the following: 6

AKL S350	Tlingit Oral Literature	
GEOG S334	Detective Fiction/Criminal Geographies	
ENGL S342	History and Theory of Documentary Film	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
ENGL S418	Advanced Themes in Literature: Selected Topics	
ENGL S419	Major Authors: Selected Topics	
ENGL S420	Genre Studies: Selected Topics	
ENGL S422	Literary Periods: Selected Topics	
ENGL S423	Ecocriticism	
ENGL S499	Thesis	3
or HUM S499	Humanities Capstone	

Select at least one advisor approved environmentally focused course from any discipline (including English) 1-3

**Total Credits 19-21**

<sup>1</sup> Must also take ENGL S311 or ENGL S362 to fulfill upper division writing requirement.

## Environmental Resources, B.S.

### Juneau

The Bachelor of Science in Environmental Resources integrates and synthesizes courses in environmental science, climate change, physical and biological sciences, geographic information sciences, and human-environment interactions. This degree provides students with an interdisciplinary background in geospatial science and Earth system processes and prepares students for science-based careers in environmental research, management, and consulting as well as graduate studies in related fields of geography and environmental science. Senior practicum courses serve as integrating capstone experiences that enable students to apply what they have learned in real-world settings. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Admission Requirements

Students are admitted to the program after declaring an Environmental Resources major and will then be assigned an academic advisor. Students should consult with their advisor for course selection and sequencing.

Candidates must complete all UAS General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), and the specific program requirements listed below for a minimum of 120 credit hours. Major requirements can be used to satisfy the Lab Natural Science, Non-lab Natural Science, and Math GERs. 42 of the 120 credit hours must be at the upper-division level (300 or above), of which 24 must be completed at UAS.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	36
Alaska Native Knowledge Graduation Requirement	3
Program on the Environment Core	9
Major Requirements	23
Interdisciplinary and Field Courses	6
Human Environment	6
Environmental Processes	14
Quantitative and Geographic Analysis	8
Electives	30

Code	Title	Credits
------	-------	---------

**General Education Requirements**

Complete all General Education Requirements. The Lab Natural Science, Non-lab Natural Science, and Math GERs are satisfied by degree requirements.	36
----------------------------------------------------------------------------------------------------------------------------------------------------	----

**Program on the Environment Core**

ENVS S102	*Earth and Environment (satisfies Lab Science GER)	4
HUM S120	*Cultures and Environments	3

Select at least two credits of capstone experience:

ENVS S491	Environmental Science Internship	
ENVS S492	Environmental Science Seminar	
ENVS S498	Research in Environmental Science	

**Major Requirements**

ENVI S313	Sustainable Resource Management	3
ENVS S338	Introduction to Geographic Information Systems (GIS)	3
ENVS S375	Current Topics in Earth and Ecosystem Research <sup>1</sup>	2
GEOL S320	Mineral, Energy, and Renewable Resources	3
MATH S251	Calculus I	4

One of the following Science sequences:

BIOL S115 & BIOL S116	*Fundamentals of Biology I and *Fundamentals of Biology II	
CHEM S105 & S105L & CHEM S106 & CHEM S106L	*General Chemistry I and General Chemistry I Laboratory and *General Chemistry II and General Chemistry II Laboratory	
PHYS S123 & PHYS S124	*College Physics I and *College Physics II	
PHYS S211 & PHYS S212	*General Physics I and *General Physics II	

**Interdisciplinary and Field Courses**

Select six credits of the following:		6
ANS S320	AK Native Ecological Knowledge	3
ENVI S350	Interdisciplinary Perspectives on Climate Change	3
ENVS S475	Field Studies in Environmental Science	1-4
HUM S372	Salmon, Sport, and Society	3
ODS S372	Mountain Studies: Philosophy, Literature, and Practice	4
ODS S373	Ocean Studies: Images of the Environment	4

**Human Environment**

Select six credits of the following:		6
ANTH S312	Humans and the Environment	3
ENGL S303	Literature and the Environment	3
GEOG S360	Alaska: A Contested Geography	3
GEOG S390	Critical Geography	3
PHIL S371	Perspectives on the Natural World	3
PS S458	Environmental Politics	3
SOC S404	Environmental Sociology	3

Or other advisor approved courses

**Environmental Processes**

Select 14 credits of the following:		14
BIOL S271	Ecology	4
BIOL S373	Conservation Biology	4
BIOL S480	Aquatic Pollution	3
CHEM S350	Environmental Chemistry	4
ENVI S210	Temperate Rainforest Ecosystems	3
ENVS S213	Natural Hazards	3
ENVS S302	Glaciology	3
ENVS S407	Snow Hydrology	4
ENVS S414	Biogeochemistry	3
ENVS S416	Biogeography and Landscape Ecology	4
ENVS S422	Earth's Climate System	3
GEOL S301	Geomorphology	4
GEOL S302	Hydrology	4

**Quantitative and Geographic Analysis**

Select eight credits of the following:		8
ENVS S111	Introduction to Differential GPS	1
ENVS S309	Mobile GIS Technology and Applications	2
ENVS S406	Remote Sensing	3
ENVS S410	Advanced Geographic Information Systems	3
MATH S460	Mathematical Modeling	3
STAT S200	*Elementary Statistics	3
STAT S401	Regression and Analysis of Variance	4

**Electives**

To include upper division courses as needed to meet 42 upper division credits required for degree. 30

## Environmental Science, B.S.

### Juneau

UAS Environmental Science students are at the forefront of studying environmental processes and challenges in coastal Alaska and beyond. Real-world experience is a hallmark of our program, which takes advantage of the stunning natural laboratory, extending from the Juneau Icefield to the lush coastal rainforest that surrounds our campus. Program faculty are engaged in cutting edge research that crosses disciplines and offers program students valuable opportunities for hands-on research training. Graduates from our program are well prepared for graduate school or to enter the work force and tackle complex environmental issues in the public and private sectors. Please see the program website (<https://uas.alaska.edu/apply/programs/program-on-the-environment.html>) for current information about the program.

### Admission Requirements

Students are admitted to the program after declaring an Environmental Science major and will then be assigned an academic advisor. Students should consult with their advisor for course selection and sequencing.

Candidates must complete all UAS General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), and the specific program requirements listed below for a minimum of 120 credit hours. Major requirements can be used to satisfy the Lab Science, Non-Lab Science, and Math GERs. 42 of the 120 credit hours must be at the upper-division level (300 or above), of which 24 must be completed at UAS.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	36
Alaska Native Knowledge Graduation Requirement	3
Program on the Environment Core	9
Major Requirements	36
Environmental Processes	17
Quantitative and Spatial Analysis	8
Electives	26

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements. The Lab Natural Science, Non-lab Natural Science, and Math GERs are satisfied by degree requirements.		
<b>Program on the Environment Core</b>		
ENVS S102	*Earth and Environment	4
HUM S120	*Cultures and Environments	3

Select at least 2 credits of capstone experience:

ENVS S491	Environmental Science Internship
ENVS S492	Environmental Science Seminar
ENVS S498	Research in Environmental Science

### Major Requirements

CHEM S105	*General Chemistry I	3
CHEM S105L	General Chemistry I Laboratory	1
CHEM S106	*General Chemistry II	3
CHEM S106L	General Chemistry II Laboratory	1
ENVS S375	Current Topics in Earth and Ecosystem Research <sup>1</sup>	2
ENVS S422	Earth's Climate System	3
GEOL S104	*Physical Geology	4
GEOL S302	Hydrology	4
MATH S251	Calculus I <sup>2</sup>	4
STAT S200	*Elementary Statistics	3
Select one of the following Physics sequences:		8

PHYS S123 & PHYS S124	*College Physics I and *College Physics II
PHYS S211 & PHYS S212	*General Physics I and *General Physics II

### Environmental Processes

Select 17 credits of the following:		17
BIOL S349	Biological Oceanography	3
CHEM S321	Organic Chemistry I	4
CHEM S350	Environmental Chemistry	4
ENVI S210	Temperate Rainforest Ecosystems	3
ENVI S313	Sustainable Resource Management	3
ENVI S350	Interdisciplinary Perspectives on Climate Change	3
ENVS S213	Natural Hazards	3
ENVS S302	Glaciology	3
ENVS S407	Snow Hydrology	4
ENVS S414	Biogeochemistry	3
ENVS S416	Biogeography and Landscape Ecology	4
ENVS S475	Field Studies in Environmental Science <sup>1</sup>	1-4
ENVS S496	Juneau Icefield Research Program	6
GEOL S301	Geomorphology	4
GEOL S320	Mineral, Energy, and Renewable Resources	3

### Quantitative and Spatial Analysis

Select eight credits of the following:		8
BIOL S355	Experimental Design and Data Analysis	4
ENVS S111	Introduction to Differential GPS	1
ENVS S309	Mobile GIS Technology and Applications	2

ENVS S338	Introduction to Geographic Information Systems (GIS)	3
ENVS S406	Remote Sensing	3
ENVS S410	Advanced Geographic Information Systems	3
MATH S252	Calculus II	4
STAT S400	Statistical Computing with R	2
STAT S401	Regression and Analysis of Variance	4

### Electives

Include upper division courses as needed to meet 42 upper division credits required for degree. 26

<sup>1</sup> May be repeated once for credit when topics vary

<sup>2</sup> Prerequisites include MATH S151, S152

## Environmental Studies, B.A.

### Juneau

The degree in Environmental Studies offers a broad interdisciplinary approach to considering the environment, preparing students for careers in management, policy, teaching, field-based research, regional planning, and the private sector. The B.A. develops a strong foundation for advanced studies in a wide range of academic disciplines. Students may concentrate in Environmental Studies, or choose to complete the emphasis in Outdoor Studies. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Admission Requirements

Students are admitted to the program after admission to UAS and declaring an Environmental Studies major. Students will be assigned an advisor in the Humanities, Social Science, or Natural Science department depending on their interests. Students should consult with their advisor for course selection and sequencing.

Candidates must complete all UAS General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), and the specific program requirements listed below for a minimum of 120 credit hours. Major requirements can be used to satisfy the Lab Science, Non-Lab Science, and Math GERs. 42 of the 120 credit hours must be at the upper-division level (300 or above), of which 24 must be completed at UAS.

Students should consult with an advisor and select courses that satisfy prerequisites required in this degree program.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Program on the Environment Core	9

Interdisciplinary and Field Courses	6-7
Human Environment	6
Breadth Requirements	9
Emphasis Requirement	15-24
Electives	31-41

### Code Title Credits

#### General Education Requirements

Complete all General Education Requirements. 34  
Must include 3-4 credits of Alaska Native or other language (not English) <sup>1</sup>

#### Program on the Environment Core

ENVS S102	*Earth and Environment	4
HUM S120	*Cultures and Environments	3

Select at least two credits of capstone experience: 2

ENVS S491	Environmental Science Internship
ENVS S498	Research in Environmental Science
GEOG S490	Geography Seminar
GEOG S498	Research in Geography
ODS S445	Outdoor Studies Expedition II: Major Expedition <sup>2</sup>

Or advisor approved course

#### Interdisciplinary and Field Courses

Select six to seven credits of the following: 6-7

ANS S320	AK Native Ecological Knowledge
ENVI S350	Interdisciplinary Perspectives on Climate Change
ENVS S475	Field Studies in Environmental Science
HUM S372	Salmon, Sport, and Society <sup>3</sup>
ODS S372	Mountain Studies: Philosophy, Literature, and Practice <sup>3</sup>
ODS S373	Ocean Studies: Images of the Environment <sup>3</sup>

Or other advisor approved courses

#### Human Environment

Select six credits of the following: 6

ANTH S312	Humans and the Environment
ENGL S303	Literature and the Environment <sup>4</sup>
GEOG S390	Critical Geography
HUM S360	Alaska: A Contested Geography <sup>4</sup>
PHIL S371	Perspectives on the Natural World <sup>4</sup>
PS S458	Environmental Politics
SOC S404	Environmental Sociology

Or other advisor approved courses

#### Breadth Requirements

Select nine credits of the following: 9  
AKL S105 \*Beginning Tlingit I

AKL S106	*Beginning Tlingit II
AKL S107	*Beginning Haida I
AKL S108	*Beginning Haida II
AKL S109	*Beginning Tsimshian I
AKL S110	*Beginning Tsimshian II
ANS S101	*Introduction to Alaska Native Studies
ANS S240	Indigenous Oral Literature
ANS S260	Alaska Native Organizations and Economies
ANS S360	Introduction to Federal Indian Law
ANS S365	Indigenous Social Movements
ANS S460	ANCSA and Tribal Governance
ANTH S314	Archaeology of Southeast Alaska
ANTH S342	Arctic Anthropology
ANTH S351	Anthropology of Globalization
ANTH S363	Ethnohistory
ANTH S428	Tlingit Culture and History
ANTH S458	Alaska Native Economic and Political Development
ANTH S475	Alaska Native Social Change
BIOL S271	Ecology
BIOL S373	Conservation Biology
BIOL S480	Aquatic Pollution
CHEM S350	Environmental Chemistry
ECON S435	Natural Resource/ Environmental Economics
ENGL S334	Detective Fiction / Criminal Geographies
ENGL S363	Nature Writing
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives
ENGL S370	Native American Literature
ENGL S423	Ecocriticism
ENVS S302	Glaciology
ENVS S406	Remote Sensing
ENVS S407	Snow Hydrology
ENVS S409	GIS Jam: Projects in GIS and Remote Sensing
ENVS S410	Advanced Geographic Information Systems
ENVS S414	Biogeochemistry
ENVS S416	Biogeography and Landscape Ecology
ENVS S422	Earth's Climate System
GEOG S101	*Local Places, Global Regions: Introduction to Geography
GEOL S104	*Physical Geology
GEOL S105	*Geological History of Life
GEOL S301	Geomorphology
HUM S370	Sport, Leisure, and Culture <sup>5</sup>
MATH S460	Mathematical Modeling

PS S313	Alaska Politics and Government
SOC S305	Sociology of Food
STAT S200	*Elementary Statistics
Any course found under the Interdisciplinary and Field Courses, Human Environment, or Environmental Processes and Spatial Analysis headings in this degree	
Or other advisor approved courses	
<b>Emphasis Requirement</b>	<b>15-24</b>
<b>Electives <sup>6</sup></b>	<b>31-41</b>
<b>Total Credits</b>	<b>120</b>

- Three to four credits in a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have a documented proficiency in a language (other than English), will be considered to have met their language requirement. Students will need to substitute additional credits to fulfill degree requirements.
- Outdoor Studies Emphasis students should take ODS S445 as their capstone experience.
- Outdoor Studies Emphasis students should meet the Interdisciplinary and Field Courses requirement by choosing between these courses.
- Outdoor Studies Emphasis students should meet the Human Environment requirement by choosing between these courses.
- This is a required course in the Outdoor Studies Emphasis and will not also count as a breadth requirement for students in this emphasis program.
- To include upper division classes as needed (42 credit minimum). Classes should be selected in consultation with an advisor and students are encouraged to include a minor. No more than 6 credits from the major can be used toward a minor.

## Environmental Studies Emphasis

This emphasis represents a deeper concentration in Environmental Studies.

Code	Title	Credits
<b>Environmental Processes and Spatial Analysis</b>		
Select six credits of the following:		6
ENVI S210	Temperate Rainforest Ecosystems	
ENVS S213	Natural Hazards	
ENVS S309	Mobile GIS Technology and Applications	
ENVS S338	Introduction to Geographic Information Systems (GIS)	
GEOL S302	Hydrology	
GEOL S320	Mineral, Energy, and Renewable Resources	
Or other advisor approved courses		
<b>Human Environment</b>		
Select three additional credits from the Human Environment section above		3

**Breadth Requirements**

Select six additional credits from the Breadth Requirements section above 6

**Total Credits** 15

## Outdoor Studies Emphasis

In order to enroll in ODS designated courses, students must provide ODS application materials and be accepted into the Outdoor Studies Emphasis Program. Note the Outdoor Studies Emphasis majors have specific courses they should take in their major requirements, and should consult with their advisor for assistance.

Code	Title	Credits
<b>ODS Emphasis Requirements</b>		
ODS S120	Wilderness First Responder	4
ODS S243	Outdoor Studies and Leadership	3
ODS S245	Outdoor Studies Expedition I	3,4
HUM S370	Sport, Leisure, and Culture	3

**Outdoor Skills**

Select ten credits of the following: 10

ODS S114	Backpacking in Southeast Alaska	
ODS S115	Winter Backpacking in Southeast Alaska	
ODS S116	Introduction to Rock Climbing	
ODS S117	Introduction to Ice Climbing	
ODS S118	Avalanche Evaluation and Theory I	
ODS S119	Introduction to Fly Fishing, Tying, and Casting	
ODS S133	Introduction to Sea Kayaking	
ODS S134	Introduction to Swiftwater Travel	
ODS S148	Backcountry Skiing and Snowboarding	
ODS S205	Backcountry Navigation	
ODS S218	Avalanche Evaluation and Theory Level II	
ODS S221	Glacier Travel and Crevasse Rescue Fundamentals	
ODS S222	Mountaineering I	
ODS S233	Expedition Sea Kayaking <sup>1</sup>	
Other approved ODS skills courses		

**Total Credits** 23-24

<sup>1</sup> May be repeated for up to 3 credits

## Fisheries and Ocean Sciences with a Concentration in Fisheries Science, B.S.

The goal of the B.S. in Fisheries and Ocean Science with a Concentration in Fisheries Science degree program is to educate undergraduate students in fisheries sciences, with a particular

emphasis on the biology, assessment, and management of fish and invertebrate populations and their associated physical, chemical, geological, and biological marine and freshwater environments, in preparation for a career in the fisheries in Alaska and elsewhere. This degree is offered jointly between UAS and UAF; students have the option of completing their degree at Juneau or Fairbanks, most courses listed below can be taken at either university, and many are offered distance or online. Student research is emphasized throughout the program. Program faculty are actively involved in a wide range of disciplines, including marine ecology, evolution, marine mammalogy, invertebrate physiology, cryobiology, biological oceanography, aquatic contaminant studies, and marine fisheries. The B.S. in Fisheries and Ocean Science with a Concentration in Fisheries Science prepares students for graduate studies in related fields, and provides students with the knowledge base, skill sets and hands-on experience to obtain positions in state, federal, Alaska Native, Native American, and nongovernmental fisheries and natural resources conservation and management agencies in Alaska and throughout North America.

**Admission Requirements**

Applicants will be considered for full admission to the B.S. in Fisheries and Ocean Science with a Concentration in Fisheries Science after completion of the following:

1. MATH S151 (may be met by placement examination)
2. WRTG S111
3. BIOL S115 and BIOL S116
4. High school chemistry or CHEM S103 with a C (2.00) or higher.

When a student becomes a major in Fisheries Science, he or she is assigned a faculty advisor. The student and the faculty advisor plan the student's curriculum, and the advisor's signature is required on registration documents.

**Degree Requirements**

Candidates must complete the General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below for a minimum of 120 credit hours.

Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GERs. Specific requirements for GERs in Fisheries are listed below. The degree must include 44 credits of upper-division (300 or above) courses, 24 of which must be completed at UAS or UAF.

Code	Title	Credits
<b>Minimum Credit Hours</b>		<b>120</b>
General Education Requirements		36
Alaska Native Knowledge Graduation Requirement		3
Must include:		
BIOL S115	*Fundamentals of Biology I	4
BIOL S116	*Fundamentals of Biology II	4
MATH S251	Calculus I	4
<b>Major Requirements</b>		<b>66-68</b>

BIOL S110	Introduction to Marine Fisheries Science
BIOL S215	Introduction to Marine Biology
BIOL S271	Ecology
BIOL S310	Animal Physiology
BIOL S362	Genetics
BIOL S427	Introduction to Ichthyology
BIOL S491 or BIOL S498	Internship (Biology Internship) Research in Biology
CHEM S105	*General Chemistry I
CHEM S106	*General Chemistry II
ECON S202	Principles of Microeconomics
FISH F102	(Fact or Fishin': Case Studies in Fisheries) <sup>1</sup>
FISH F103	(The Harvest of the Sea) <sup>1</sup>
FISH F261	(Introduction to Fisheries Utilization) <sup>1</sup>
or FT S222	Alaska Salmon Culture II
FISH F288	(Fish and Fisheries of Alaska) <sup>1</sup>
FISH F487	(Fisheries Management) <sup>1</sup>
STAT S200	*Elementary Statistics
STAT S401	Regression and Analysis of Variance
Select one of the following: 3	
FISH F315	(Freshwater Fisheries Techniques) <sup>1</sup>
FISH F414	(Field Methods in Marine Ecology and Fisheries) <sup>1</sup>
Select one of the following: 3	
FISH F425	(Fish Ecology) <sup>1</sup>
FISH F426	(Behavioral Ecology of Fishes) <sup>1</sup>
FISH F428	(Physiology of Fishes) <sup>1</sup>
Select one of the following:	
PHYS S123 or PHYS S211	*College Physics I *General Physics I
Select one of the following: 3	
GEOG S312 or SOC S404	Humans and the Environment <sup>2</sup> Environmental Sociology
<b>Upper-Division Electives <sup>3</sup> 12-14</b>	
BIOL S311	Communicating Science
BIOL S349	Biological Oceanography
BIOL S353	Tropical Marine and Coastal Ecology
BIOL S355	Experimental Design and Data Analysis
BIOL S373	Conservation Biology
BIOL S375	Current Topics in Biology: <sup>4</sup>
BIOL S380	Marine Ornithology and Herpetology
BIOL S384	Marine Mammalogy
BIOL S396	Field Studies in Behavior and Ecology
BIOL S405	Invertebrate Zoology
BIOL S410	Physiology of Marine Animals

BIOL S441	Animal Behavior
BIOL S480	Aquatic Pollution
BIOL S481	Marine Ecology
BIOL S482	Evolution
BIOL S491 or BIOL S498	Internship (Biology Internship) Research in Biology
BIOL S492	Biology Seminar <sup>4</sup>

#### Physical Science 4

Complete 4 credits of electives from Chemistry, Geology, Environmental Sciences, or Physics

<sup>1</sup> *FISH courses available from UAF (<https://catalog.uaf.edu/courses/fish/>)*

<sup>2</sup> *SOC 101 pre-requisite for SOC S404; take as GER*

<sup>3</sup> *Or other upper-division electives from UAF: Fisheries (<https://catalog.uaf.edu/courses/fish/>), Marine Science and Limnology (<https://catalog.uaf.edu/courses/msl/>), or Natural Resources Management (<https://catalog.uaf.edu/courses/nrm/>)*

<sup>4</sup> *Only 4 credits from BIOL S375 and 2 credits from BIOL S492 may be applied toward the Electives*

## Interdisciplinary, I.B.A. Admission is currently suspended.

### Juneau

The Interdisciplinary Bachelor of Arts provides integrated and experiential courses of study that relate multiple ways of knowing to empower students to advance environmental awareness, cultural responsibility, artistic expression, and social justice to address complex and critical challenges in today's world. From a shared basis of fundamental coursework in interdisciplinary studies and under close mentoring with faculty advisors, students craft a program of focused study in Creative Arts, Cultural Studies, Indigenous Studies, Outdoor and Adventure Studies, or Social Inquiry. Students who complete the Interdisciplinary Bachelor of Arts degree are well prepared to embark upon professional careers or graduate studies.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Foundational Interdisciplinary Requirements	12-14
Concentration Core	27
Focus	15
Culmination Project	3
Electives	27-29

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements which must include the following:		34

ANS S101	*Introduction to Alaska Native Studies
ART S263	*Northwest Coast Native Art History & Culture

Recommended:

HUM S120	A Sense of Place: Alaska and Beyond
----------	-------------------------------------

### **Foundational Interdisciplinary Requirements**

All Interdisciplinary Bachelor of Arts students are required to take the following courses. Additional foundational courses may be required as prerequisites for particular Interdisciplinary Concentration Cores.

Alaska Native Knowledge Competency: any ANS, AKL, ART S260, or ART S263. <sup>1</sup>

Language Competency (1-Year Sequence or Equivalency) 6-8

INDS S200	Fundamentals of Interdisciplinary Studies	3
-----------	-------------------------------------------	---

INDS S300	Interdisciplinary Theory and Practice	3
-----------	---------------------------------------	---

Note: Students with completed AA, AS, or transfer/returning/non-traditional students with 45+ credits start degree program here. Begins with INDS S300 Interdisciplinary Theory & Practice (INDS S200 waived).

May require outstanding introductory prerequisite courses, including language competency. Any outstanding UA GERs may need to be completed.

### **Culmination Project**

Select three (3) credits from one of the following: 3

INDS S499	Interdisciplinary Capstone
ENGL S499	Thesis
GEOG S499	Senior Thesis/Proj/Reflection
Any 400-level Seminar, Internship, or Thesis	

**Minor or Electives** **24-26**

<sup>1</sup> Students who complete GER ANS S101 or ART S263 have fulfilled this requirement.

## **Interdisciplinary Concentration Core**

Students complete core coursework from one of the concentration options below for a total of 27 credits (15 upper-division credits minimum). Includes content coursework, theory and application (experiential learning). The core varies by concentration. Some concentrations may have prerequisites.

### **Creative Arts Concentration**

Students complete coursework in the areas of craft study, context and theory, and community and place. Select either Creative Writing or Art for craft study and focus.

Code	Title	Credits
<i>Creative Writing Craft Study</i>		
Primary		
ENGL S261	*Introduction to Creative Writing	3
ENGL S461	Advanced Creative Writing: Selected Topics	3
Secondary		

ART S105	Beginning Drawing	3
----------	-------------------	---

### *Creative Writing Focus*

ENGL S461	Advanced Creative Writing: Selected Topics	9
-----------	--------------------------------------------	---

ENGL S311	The Art of the Essay	3
-----------	----------------------	---

or ENGL S362 Memoir Writing

or ENGL S363 Nature Writing

Three (3) credits of Literature	3
---------------------------------	---

Code	Title	Credits
------	-------	---------

### *Art Craft Study*

#### Primary

ART S105	Beginning Drawing	3
----------	-------------------	---

ART S201	Beginning Ceramics	3
----------	--------------------	---

or ART S213 Beginning Painting (Oil and Acrylic)

#### Secondary

ENGL S261	*Introduction to Creative Writing	3
-----------	-----------------------------------	---

### *Studio Art Focus*

Select fifteen (15) credits of studio art classes. Choose from ceramics, drawing, painting, and Northwest Coast Arts.	15
-----------------------------------------------------------------------------------------------------------------------	----

Code	Title	Credits
------	-------	---------

### *Common Creative Arts Concentration Requirements*

#### **Experiential Arts**

Take three (3) credits from the following:	3
--------------------------------------------	---

ODS S243	Introduction to Outdoor Leadership
----------	------------------------------------

Theater (any)

Communications (Any)

#### **Context & Theory: English**

Choose three (3) credits from the following	3
---------------------------------------------	---

ENGL S200	*World Literature
or ENGL S215	*Introduction to Literary Study
or ENGL S217	*Introduction to Film Studies
or ENGL S226	*Survey of American Literature 1800-Present

or ENGL S303 Literature and the Environment

or ENGL S305 Children's Literature

or ENGL S311 The Art of the Essay

or ENGL S330 Shakespeare

or ENGL S362 Memoir Writing

or ENGL S363 Nature Writing

or ENGL S365 Literature of Alaska: Native and Non-Native Perspectives

or ENGL S370 Native American Literature

or ENGL S418 Advanced Themes in Literature: Selected Topics

or ENGL S419 Major Authors: Selected Topics

or ENGL S420 Genre Studies: Selected Topics

or ENGL S422 Literary Periods: Selected Topics

or ENGL S423 Ecocriticism

#### **Context & Theory: Art**

Take three (3) credits of Art (any non-studio)	3
------------------------------------------------	---

**Context & Theory: Cross Study**

Select three (3) upper division credits from the following disciplines 3

Alaska Native Studies, Anthropology, Geography, History, Philosophy, Political Science, Psychology, Sociology

**Community & Place: Alaska & Northwest Coast Culture**

Select three (3) credits with a focus on Alaska or on Northwest Coast cultures or place 3

ENGL S365 Literature of Alaska: Native and Non-Native Perspectives 3

or HIST S341 History of Alaska

or HUM S120 A Sense of Place: Alaska and Beyond

or PS S313 Alaska Politics and Government

Or such as any Alaska Languages, Alaska Native Studies, Northwest Coast Art, Anthropology with Alaska focus, or course approved by a faculty advisor.

**Community & Place: Outdoor Studies**

Complete three (3) credits in ODS designators 3

**Cultural Studies Concentration**

Student complete coursework under the themes of social identity, critical theory, and globalization through the cross-categories of context, performativity, and language and politics.

Code	Title	Credits
<b>Social Identity: Context</b>		
ANTH S475	Alaska Native Social Change	3
or PSY S313	Psychology of Gender	
or SOC S410	Race and Ethnicity	
<b>Social Identity: Performance</b>		
ART S260	*Indigenous Performing Arts	3
or ENGL S420	Genre Studies: Selected Topics	
or HIST S380	History of Gender and Sexuality	
<b>Social Identity: Language and Politics</b>		
HIST S370	Modern European Intellectual History	3
or ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
or ENGL S419	Major Authors: Selected Topics	
<b>Critical Theory: Context</b>		
GEOG S390	Critical Geography	3
or ENGL S422	Literary Periods: Selected Topics	
or PSY S333	Human Sexuality Across Cultures	
or SOC S333	Human Sexuality Across Cultures	
<b>Critical Theory: Performance</b>		
ANS S320	AK Native Ecological Knowledge	3
or ENGL S217	*Introduction to Film Studies	
or AKL S410	Heritage Language Teaching Methods and Materials	
<b>Critical Theory: Language and Politics</b>		
COMM S320	Argumentation and Debate	3
or ENGL S370	Native American Literature	

or SPAN S318	Themes in Literature, Language, and Culture
or ENGL S303	Literature and the Environment

**Globalization: Context**

ANTH S351	Anthropology of Globalization	3
or ANTH S454	Economic Anthropology	
or GEOG S350	Interdisciplinary Perspectives on Climate Change	

**Globalization: Performance**

ENGL S200	*World Literature	3
or ART S350	Northwest Coast Art Theory and Practice	
or SOC S404	Environmental Sociology	

**Globalization: Language and Politics**

ANS S460	ANCSA and Tribal Governance	3
or SOC S305	Sociology of Food	
or PS S313	Alaska Politics and Government	

**Focus**

Students will work with their faculty advisor to develop a focus of 15 credits that meet their academic needs.	15
----------------------------------------------------------------------------------------------------------------	----

<b>Total Credits</b>	<b>42</b>
----------------------	-----------

**Indigenous Studies Concentration**

Students complete coursework in the areas of indigenous languages, art, and governance at beginning, intermediate, and advanced levels. Select between Languages, Arts, or Governance within the concentration.

Code	Title	Credits
<b>Languages</b>		
200-Level Alaska Native Languages		8
ART S260	*Indigenous Performing Arts	3
ANS S320	AK Native Ecological Knowledge	3
300-Level Alaska Native Languages		6
AKL S410	Heritage Language Teaching Methods and Materials	3
AKL S470	Indigenous Language Revitalization	3
AKL S494 Alaska Native Languages Practicum		1
<b>Focus</b>		
Students will work with their faculty advisor to develop a focus of 15 credits that meet their academic needs.		15
<b>Total Credits</b>		<b>42</b>

Code	Title	Credits
<b>Arts</b>		
Beginning (200-Level) Northwest Coast Art Studio		6
ART S260	*Indigenous Performing Arts	3
ART S295	Career Development for the Artist	3
Intermediate (300-Level) Northwest Coast Art Studio		6
ANS S320	AK Native Ecological Knowledge	3
Advanced (400-Level) Northwest Coast Art Studio		6
<b>Focus</b>		

Students will work with their faculty advisor to develop a focus of 15 credits that meet their academic needs. 15

**Total Credits 42**

Code	Title	Credits
<b>Governance</b>		
ANS S260	Alaska Native Organizations and Economies	3
ART S260	*Indigenous Performing Arts	3
ANS S240	Indigenous Oral Literature	3
ANS S320	AK Native Ecological Knowledge	3
ANS S360	Introduction to Federal Indian Law	3
ANS S460	ANCSA and Tribal Governance	3
ANS S492A	Alaska Native Studies Internship Seminar	3
Six (6) credits of Art, Alaska Native Studies, Alaska Native Languages or Anthropology <sup>1</sup>		6

#### Focus

Students will work with their faculty advisor to develop a focus of 15 credits that meet their academic needs. 15

**Total Credits 42**

<sup>1</sup> Art classes must focus on Northwest Coast Art.

#### Outdoor and Adventure Studies Concentration

Students complete coursework in the areas of leadership, expedition & adventure, and cross-disciplinary study at foundational, developmental, and applied levels.

Code	Title	Credits
<b>Corequisite Requirements</b>		
Outdoor Skills		9
ODS S112	Swiftwater Rescue	1
or ODS S115	Winter Backpacking in Southeast Alaska	
or ODS S116	Introduction to Rock Climbing	
or ODS S117	Introduction to Ice Climbing	
or ODS S118	Avalanche Evaluation and Theory I	
or ODS S119	Introduction to Fly Fishing, Tying, and Casting	
or ODS S122	Wilderness First Responder Recertification	
or ODS S133	Introduction to Sea Kayaking	
or ODS S134	Introduction to Swiftwater Travel	
or ODS S148	Backcountry Skiing and Snowboarding	
or ODS S205	Backcountry Navigation	
or ODS S216	Rock Climbing Level II	
or ODS S217	Ice Climbing Level II	
or ODS S218	Avalanche Evaluation and Theory Level II	
or ODS S219	Intermediate Fly Fishing, Tying, and Casting	
or ODS S221	Glacier Travel and Crevasse Rescue Fundamentals	
or ODS S222	Mountaineering I	
or ODS S233	Expedition Sea Kayaking	

Wilderness First Responder Training		
ODS S120	Wilderness First Responder <sup>1</sup>	4

<sup>1</sup> Or proof of certification.

Code	Title	Credits
<b>Concentration Requirements</b>		
ODS S243	Introduction to Outdoor Leadership	3
ODS S244	Outdoor Leadership	2
ODS S245	Outdoor Leadership Capstone	3,4
Four (4) credits in outdoor skills courses		4
HUM S370	Sport, Leisure, and Culture	3
PHIL S371	Perspectives on the Natural World	3
ODS S372	Mountain Adventure: Philosophy, Literature, and Practice	3
or HUM S372	Salmon, Sport, and Society	
ENGL S303	Literature and the Environment	3
ANS S320	AK Native Ecological Knowledge	3
or PS S458	Environmental Politics	

#### Focus

Students will work with their faculty advisor to develop a focus of 15 credits that meets their academic needs. 15

#### Social Inquiry Concentration

Students complete coursework in a primary social science field, cross-study courses under the themes of identity, society, and change, and courses in theory and application.

Code	Title	Credits
Take nine (9) credits from the following disciplines: Anthropology, Communications, History, Sociology, Political Science, and Psychology.		9
<b>Cross-Studies in Identity</b>		
COMM S330	Intercultural Communication	3
or ENGL S362	Memoir Writing	
or HIST S341	History of Alaska	
or PSY S313	Psychology of Gender	
or PS S313	Alaska Politics and Government	
or SOC S410	Race and Ethnicity	
<b>Cross-Studies in Society</b>		
ANTH S312	Humans and the Environment	3
or COMM S340	Media Studies	
or GEOG S312	Humans and the Environment	
or HIST S380	History of Gender and Sexuality	
or PS S351	Political Sociology	
or PSY S302	Social Psychology	
or SOC S302	Social Psychology	
or SOC S404	Environmental Sociology	
or ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
<b>Cross-Studies in Change</b>		
ANS S460	ANCSA and Tribal Governance	3

or ANTH S351	Anthropology of Globalization
or GEOG S350	Interdisciplinary Perspectives on Climate Change
or HIST S361	The Civil War Era (1848-1877)
or PS S251	Introduction to International Relations
or SOC S380	Social Movements

### Theories and Applications

Choose two (2) courses (6 credits) from the following: 6

ANTH S363	Ethnohistory
ANTH S390	Archives and Museums Theory and Practice
ANTH S410	History of Anthropology
ANTH S430	Ethnographic Methods
COMM S380	Communication Theory
HIST S300	Historiography and Historical Methods
SSCI S300	Research Methods in Social Science
SOC S325	Theory and Research in Criminology

### Internship/Research

Select three (3) credits from the following: 3

HIST S492	Seminar in History: Selected Topics
400-Level Internship	
400-Level Independent Study	

### Focus

Students will work with their faculty advisor to develop a focus of 15 credits that meet their academic needs. 15

**Total Credits** 42

## Liberal Arts, B.L.A.

### Juneau, e-Learning

The Bachelor of Liberal Arts degree is designed for UAS students seeking a broad-based, multidisciplinary education. It is designed particularly for those students who have already completed a two-year Associates degree, transfer students from other universities, and non-traditional students who have previously completed university credits.

Students consult with faculty in their areas of interest to pursue interdisciplinary or individualized courses of study. This Liberal Arts degree can lead to graduate school or jobs in which critical thinking and communication skills are valued. BLA graduates who are interested in teaching may also apply to the one-year Master of Arts in Teaching programs at UAS. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

### Liberal Arts Emphasis Options

In each BLA degree program, students pursue one of the following Emphasis options: Designated Emphasis, Interdisciplinary Studies, or Independent Design. Courses used for GER credit cannot be used to fulfill Liberal Arts Emphasis

courses or must be replaced by substitute disciplinary courses of equal credits.

### BLA degrees must include:

1. 120 credits minimum.
2. 3 credits minimum Alaska Native Knowledge Graduation Requirement
3. 48 credits minimum in the Liberal Arts Major (9 credits Liberal Arts Core, 39 credits Liberal Arts Emphasis).
4. 42 credits minimum upper-division.
5. 2 credits minimum upper-division capstone course completed through UAS.

## Admission Requirements

Students need to complete a formal application process at Admissions on the local campus (Juneau, Ketchikan, Sitka) or online at [uaonline.alaska.edu](http://uaonline.alaska.edu) (<http://uaonline.alaska.edu>).

Students are admitted to the program after admission to UAS and declaring that they intend to pursue a Bachelor of Liberal Arts degree.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Liberal Arts Core	9
Alaska Native or Other Language (not English)	6-8
Liberal Arts Emphasis	39-57
Electives/Minor	20-38

The Liberal Arts Major combines Core and Emphasis courses. Courses used for GER credit cannot be used to fulfill Liberal Arts Major courses or must be replaced by substitute courses of equal credits.

## Liberal Arts Core

Code	Title	Credits
<b>Minimum Liberal Arts Core</b>		<b>9</b>
HUM S210	BLA Portfolio Review	1
Communications or Literature (upper-division elective) <sup>1</sup>		3
Philosophy (any Philosophy course) <sup>2</sup>		3
Capstone		2

Code	Title	Credits
<b>Language Requirement</b>		
Alaska Native or Other Language (not English) <sup>3</sup>		6-8

- <sup>1</sup> COMM S3XX, COMM S4XX, ENGL S3XX, ENGL S4XX
- <sup>2</sup> This requirement may be waived if the Liberal Arts major includes a PHIL course. Note that, in this case, an additional 3 credits in the core electives will be needed.
- <sup>3</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have documented proficiency in a language (other than English), will be considered to have met their language requirement.

Upon admission into the BLA program, students are required to enroll in the Student Portfolio course. This course is designed to assist students in planning their program of study with the approval of their BLA faculty advisor. The portfolio is used for purposes of continuing self-assessment during the student's BLA program. Students must complete the Portfolio course within the first three semesters after matriculation; those who do not will be dropped from the BLA program and must officially reapply for admission.

## Liberal Arts Emphasis

General Requirements for **all emphasis options**:

1. During the semester the student is admitted to the BLA, an Emphasis option (listed below) must be formally declared by the student and approved by the BLA coordinator or the student's faculty advisor.
2. 3 credits minimum Alaska Native Knowledge Graduation Requirement.
3. Six to eight credits in a one year sequence of a single Alaska Native or other language, or documented proficiency in a language (not English).
4. 24 minimum upper-division in credits required in the Emphasis program.
5. Includes a 2-credit minimum upper-division capstone course (such as GEOG S490, ODS S445, BA S462, HUM S499, or an advisor-approved Internship S491, Practicum S494, Individual Research S498, Independent Study S497, or Thesis S499).
6. A passing BLA Student Portfolio is required for degree completion.

## Designated Emphasis

A designated emphasis provides a focused course of study in the Liberal Arts not available through other baccalaureate degree programs offered through UAS.

## Alaska Native Languages and Studies

Code	Title	Credits
<b>Designated Emphasis Requirements</b>		
ANS S101	*Introduction to Alaska Native Studies	3
ANS S460 or ANTH S475 or ART S263	ANCSA and Tribal Governance Alaska Native Social Change *Northwest Coast Native Art History & Culture	3
Select one of the following language sequences:		8

AKL S105 & AKL S106	*Beginning Tlingit I and *Beginning Tlingit II
AKL S107 & AKL S108	*Beginning Haida I and *Beginning Haida II
AKL S109 & AKL S110	*Beginning Tsimshian I and *Beginning Tsimshian II
Any Alaska Native Languages or Northwest Coast Art course, or any Alaska Native topic in Humanities, Social Science, or cross-disciplinary courses approved by the BLA Alaska Native Studies faculty advisor (these courses may be from different disciplines, but all must have Alaska Native themes or issues as an important component in their curriculum).	
<b>Alaska Native Languages and Studies Electives</b>	
<b>25</b>	
Select 25 credits of electives, 15 of which must be upper-division.	
AKL S__ (any Alaska Language course)	
ANS S__ (any Alaska Native Studies course)	
ANTH S225	Artistic Expressions and Oral Narratives of Alaska Natives
ANTH S335	Native North Americans
ANTH S342	Arctic Anthropology
ANTH S428	Tlingit Culture and History
ANTH S435	Northwest Coast Cultures
ANTH S458	Alaska Native Economic and Political Development
ART S180	Northwest Coast Art: Selected Topics
ART S181	*Beginning Northwest Coast Indigenous Design
ART S183	Harvest and Preparation of Basket Materials
ART S189	Northwest Coast Tool Making
ART S280	Northwest Coast Art: Selected Topics
ART S281	Intermediate Northwest Coast Design
ART S282	Beginning Northwest Coast Basketry
ART S284	Northwest Coast Basket Design
ART S285	Beginning Northwest Coast Carving
ART S286	Beginning Northwest Coast Woolen Weaving
ART S380	Northwest Coast Art: Selected Topics
ART S381	Advanced Northwest Coast Design
ART S382	Intermediate Northwest Coast Basketry
ART S385	Intermediate Northwest Coast Carving
ART S386	Intermediate Northwest Coast Woolen Weaving
ART S480	Northwest Coast Art: Selected Topics

ART S482	Advanced Northwest Coast Basketry	
ART S485	Advanced Northwest Coast Carving	
ART S486	Advanced Northwest Coast Woolen Weaving	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
HIST S341	History of Alaska	
PS S313	Alaska Politics and Government	
<b>Total Credits</b>		<b>39</b>

## Outdoor and Adventure Studies

Code	Title	Credits
<b>Designated Emphasis Requirements</b>		
ENGL S303	Literature and the Environment	3
HUM S370	Sport, Leisure, and Culture	3
ODS S120	Wilderness First Responder <sup>1</sup>	4
ODS S243	Outdoor Studies and Leadership	3
ODS S245	Outdoor Studies Expedition I	3-4
ODS S372	Mountain Studies: Philosophy, Literature, and Practice	4
ODS S373	Ocean Studies: Images of the Environment	4
ODS S444	Expedition Planning and Leadership	2
ODS S445	Outdoor Studies Expedition II: Major Expedition	2-4
PHIL S371	Perspectives on the Natural World	3

### ODS Electives

Select 15 credits of the following:		15
ODS S114	Backpacking in Southeast Alaska	
ODS S115	Winter Backpacking in Southeast Alaska	
ODS S116	Introduction to Rock Climbing	
ODS S117	Introduction to Ice Climbing	
ODS S118	Avalanche Evaluation and Theory I	
ODS S119	Introduction to Fly Fishing, Tying, and Casting	
ODS S133	Introduction to Sea Kayaking	
ODS S148	Backcountry Skiing and Snowboarding	
ODS S205	Backcountry Navigation	
ODS S216	Rock Climbing Level II	
ODS S217	Ice Climbing Level II	
ODS S218	Avalanche Evaluation and Theory Level II	
ODS S221	Glacier Travel and Crevasse Rescue Fundamentals	
ODS S222	Mountaineering I	

Other approved ODS skills courses		
Upper-Division Electives <sup>2</sup>		
Select two of the following:		6-8
ANTH S314	Archaeology of Southeast Alaska	
ANTH S342	Arctic Anthropology	
ANTH S408	Ethnobiology	
ANTH S428	Tlingit Culture and History	
ANTH S458	Alaska Native Economic and Political Development	
ENGL S363	Nature Writing	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
ENGL S370	Native American Literature	
ENGL S423	Ecocriticism	
ENVS S302	Glaciology	
ENVS S407	Snow Hydrology	
ENVS S422	Earth's Climate System	
GEOG S312	Humans and the Environment	
GEOL S301	Geomorphology	
GEOL S302	Hydrology	
PS S313	Alaska Politics and Government	
SOC S404	Environmental Sociology	
Total Credits		52-57

<sup>1</sup> Or proof of certification.

<sup>2</sup> Advisor-approved courses

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Liberal Arts Core	9
Alaska Native or Other Language (not English)	6-8
Liberal Arts Emphasis	39
Electives/Minor	38

The Liberal Arts Major combines Core and Emphasis courses. Courses used for GER credit cannot be used to fulfill Liberal Arts Major courses or must be replaced by substitute courses of equal credits.

## Liberal Arts Core

Code	Title	Credits
<b>Minimum Liberal Arts Core</b>		<b>9</b>
HUM S210	BLA Portfolio Review	1
Communications or Literature (upper-division elective)		3
<sup>1</sup>		
Philosophy (any Philosophy course) <sup>2</sup>		3
Capstone		2

Code	Title	Credits
<b>Language Requirement</b>		
Alaska Native or Other Language (not English) <sup>3</sup>		6-8

- <sup>1</sup> COMM S3XX, COMM S4XX, ENGL S3XX, ENGL S4XX
- <sup>2</sup> This requirement may be waived if the Liberal Arts major includes a PHIL course. Note that, in this case, an additional 3 credits in the core electives will be needed.
- <sup>3</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have documented proficiency in a language (other than English), will be considered to have met their language requirement.

Upon admission into the BLA program, students are required to enroll in the Student Portfolio course. This course is designed to assist students in planning their program of study with the approval of their BLA faculty advisor. The portfolio is used for purposes of continuing self-assessment during the student's BLA program. Students must complete the Portfolio course within the first three semesters after matriculation; those who do not will be dropped from the BLA program and must officially reapply for admission.

## Liberal Arts Emphasis

General Requirements for **all emphasis options**:

- During the semester the student is admitted to the BLA, an Emphasis option (listed below) must be formally declared by the student and approved by the BLA coordinator or the student's faculty advisor.
- 3 credits minimum Alaska Native Knowledge Graduation Requirement.
- Six to eight credits in a one year sequence of a single Alaska Native or other language, or documented proficiency in a language (not English).
- 24 minimum upper-division in credits required in the Emphasis program.
- Includes a 2-credit minimum upper-division capstone course (such as GEOG S490, ODS S445, BA S462, HUM S499, or an advisor-approved Internship S491, Practicum S494, Individual Research S498, Independent Study S497, or Thesis S499).
- A passing BLA Student Portfolio is required for degree completion.

## Interdisciplinary Studies

Interdisciplinary Studies provides academic depth to a general course of Liberal Arts study by combining cross-disciplinary primary and secondary fields. Primary and secondary fields must be different. Primary and secondary fields may not both be Social Sciences, however History may be considered either a Humanities or Social Science discipline. A course that is applied to the primary field cannot also be applied to the secondary field (except in situations where course topic varies and may be repeated for credit). The Interdisciplinary Studies program must be approved by the student's BLA faculty advisor.

Code	Title	Credits
<b>Primary Field</b>		
Minimum 15 credits upper-division		24

<b>Secondary Field</b>		
Minimum 6 credits upper-division		15

### Primary Field

The primary field consists of BLA faculty advisor approved course electives (24 credits, minimum of 15 credits upper division) under one of the following categories. In some instances, minimal course requirements are designated.

Code	Title	Credits
<b>Alaska Native Languages and Studies <sup>1</sup></b>		
Select one of the following language sequences:		8

AKL S105 & AKL S106	*Beginning Tlingit I and *Beginning Tlingit II	
AKL S107 & AKL S108	*Beginning Haida I and *Beginning Haida II	
AKL S109 & AKL S110	*Beginning Tsimshian I and *Beginning Tsimshian II	

<b>Anthropology</b>		
ANTH S202	Cultural Anthropology	3
ANTH S205	*Biological Anthropology	3

<b>Art</b>		
ART S261	*History of World Art I	3
ART S262	*History of World Art II	3

<b>Cultural Geography</b>		
GEOG S101	*Local Places, Global Regions: Introduction to Geography	3
GEOG/ANTH S312	Humans and the Environment	3
Select 18 credits of the following courses:		18

ART S380	Northwest Coast Art: Selected Topics	
ANS S320	AK Native Ecological Knowledge	
ENGL S200	*World Literature	
ENGL S303	Literature and the Environment	
ENGL/GEOG S334	Detective Fiction / Criminal Geographies	
ENGL S423	Ecocriticism	
GEOG S313		
GEOG S350		
GEOG S390	Critical Geography	
HUM/GEOG S360	Alaska: A Contested Geography	
HUM S370	Sport, Leisure, and Culture	
HUM S372	Salmon, Sport, and Society	
PHIL S371	Perspectives on the Natural World	

### English

<b>Government/Political Science</b>		
SSCI S300	Research Methods in Social Science	3

<b>History</b>		
HIST S131	History of the U.S. I	3
HIST S132	History of the U.S. II	3

Humanities

Any two of the following Humanities disciplines: Art, Communications, English, History, Alaska Native Languages (including Tlingit, Haida, or Tsimshian), other languages (including Spanish), Philosophy, or BLA faculty advisor approved Humanities discipline. 12

Discipline 1

Minimum 9 credits upper-division

Discipline 2

Minimum 6 credits upper-division

Psychology

PSY S111 \*Introduction to Psychology 3

Select one of the following: 3-4

Statistics

STAT S107 \*Survey of Statistics (or higher)

Research Methods

SSCI S300 Research Methods in Social Science (or other BLA faculty advisor approved methods course)

Social Sciences

Any two of the following Social Science disciplines: Anthropology, Economics, History, Political Science, Psychology, Sociology, or BLA faculty advisor approved Social Science discipline.

Sociology

SOC S101 \*Introduction to Sociology 3

Select one of the following: 3-4

Statistics

STAT S107 \*Survey of Statistics (or higher)

Research Methods

SSCI S300 Research Methods in Social Science (or other BLA faculty advisor approved methods course)

<sup>1</sup> The remaining courses may be selected from any Alaska Native Languages or Northwest Coast Art course, or any Alaska Native-specific Humanities, Social Science, or Cross-Disciplinary courses approved by the BLA Alaska Native Studies Faculty Advisor (these courses may be from different disciplines, but all must have Alaska Native themes or issues as an important component in their curriculum). A student completing a primary field in Alaska Native Languages and Studies **may not** choose a secondary field in Tlingit Language.

Secondary Field

The secondary field, which must be different than the primary field, consists of 15 credits (minimum 6 credits upper-division).

Liberal Arts secondary fields available at UAS include: Alaska Native Languages and Studies (see primary field description for minimal requirements), Anthropology, Art, Biology, Business Studies<sup>1</sup>, Communication, Creative Writing, Cultural Geography (see primary field description for list of accepted courses), Economics, English, Environmental Science, Government,

History, Mathematics, Philosophy, Psychology, Sociology, Spanish, Tlingit Language.

Liberal Arts Electives/Minor

Courses from AA degrees, transfer credits from accredited universities or colleges, or other University of Alaska credits at the 100 level or higher may be counted for elective credit. A Minor field must differ from disciplinary coursework completed for the Liberal Arts Emphasis. Any overlap in specific courses between GER, the Liberal Arts Major, and a Minor requires course substitutions.

<sup>1</sup> Business Studies include ACCT, BA, LAWS, and CIS designated courses.

Requirement	Hours
Minimum Credit Hours	120
General Education Requirements	34
Alaska Native Knowledge Graduation Requirement	3
Liberal Arts Core	9
Alaska Native or Other Language (not English)	6-8
Liberal Arts Emphasis	39
Electives/Minor	38

The Liberal Arts Major combines Core and Emphasis courses. Courses used for GER credit cannot be used to fulfill Liberal Arts Major courses or must be replaced by substitute courses of equal credits.

Liberal Arts Core

Code	Title	Credits
Minimum Liberal Arts Core		9
HUM S210	BLA Portfolio Review	1
Communications or Literature (upper-division elective) <sup>1</sup>		3
Philosophy, (Any Philosophy Course) <sup>2</sup>		3
Capstone		2

Code	Title	Credits
Language Requirement		
Alaska Native or Other Language (not English) <sup>3</sup>		6-8

<sup>1</sup> COMM S3XX, COMM S4XX, ENGL S3XX, ENGL S4XX  
<sup>2</sup> This requirement may be waived if the Liberal Arts major includes a PHIL course. Note that, in this case, an additional 3 credits in the core electives will be needed.  
<sup>3</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have documented proficiency in a language (other than English), will be considered to have met their language requirement.

Upon admission into the BLA program, students are required to enroll in the Student Portfolio course. This course is designed

to assist students in planning their program of study with the approval of their BLA faculty advisor. The portfolio is used for purposes of continuing self-assessment during the student's BLA program. Students must complete the Portfolio course within the first three semesters after matriculation; those who do not will be dropped from the BLA program and must officially reapply for admission.

## Liberal Arts Emphasis

General Requirements for **all emphasis options**:

1. During the semester the student is admitted to the BLA, an Emphasis option (listed below) must be formally declared by the student and approved by the BLA coordinator or the student's faculty advisor.
2. 3 credits minimum Alaska Native Knowledge Graduation Requirement.
3. Six to eight credits in a one year sequence of a single Alaska Native or other language, or documented proficiency in a language (not English).
4. 24 minimum upper-division in credits required in the Emphasis program.
5. Includes a 2-credit minimum upper-division capstone course (such as GEOG S490, ODS S445, BA S462, HUM S499, or an advisor-approved Internship S491, Practicum S494, Individual Research S498, Independent Study S497, or Thesis S499).
6. A passing BLA Student Portfolio is required for degree completion.

## Independent Design

This option is designed for highly motivated students who are interested in completing a BLA program that does not fall under any Designated Emphasis or Interdisciplinary Studies option.

Independently designed BLA programs are available only to students who have a tenure-track faculty member who agrees to supervise their degree program. The student and supervisor will work together to design a degree proposal that provides a coherent body of knowledge at the baccalaureate level. The Independent Design must be approved by the supervising faculty member, the supervising faculty member's department chair, and the Dean of Arts and Sciences.

The Independent Design must meet the following requirements:

1. 24 emphasis credits minimum must be upper division.
2. 24 emphasis credits minimum must be completed after the Independent Design program is approved by the Dean of Arts and Sciences.

Any changes to a program in progress must be approved by the supervising faculty member, the supervising faculty member's department chair, and the Dean of Arts and Sciences.

## Marine Biology, B.S.

### Juneau

The B.S. degree in Marine Biology provides students with the opportunity to learn biological principles and skills in lecture, laboratory and field courses with a core curriculum in Marine

Biology. Student research is emphasized throughout the program. Program faculty are actively involved in a wide range of disciplines, including marine ecology, evolution, marine mammalogy, invertebrate physiology, cryobiology, biological oceanography, aquatic contaminant studies, and marine fisheries. Students have the option to choose a Fisheries Science Emphasis or to pursue General Electives. The location of the University provides students with a "natural laboratory" that includes extensive marine habitat, rainforest, wetlands, and ice fields all within walking distance of the classrooms. A small student-to-professor ratio ensures a more personal approach to learning than is possible at larger universities. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>). Additional information about the marine biology program can be found at [https://uas.alaska.edu/arts\\_sciences/naturalsciences/biology/index.html](https://uas.alaska.edu/arts_sciences/naturalsciences/biology/index.html) ([https://uas.alaska.edu/arts\\_sciences/naturalsciences/biology/](https://uas.alaska.edu/arts_sciences/naturalsciences/biology/)).

## Admission Requirements

Applicants enter as pre-majors and will be considered for full admission to the B.S. in Marine Biology after completion of the following:

Code	Title	Credits
BIOL S115 & BIOL S116	*Fundamentals of Biology I and *Fundamentals of Biology II	
CHEM S103	*Introduction to General Chemistry (or High school chemistry) <sup>1</sup>	
MATH S151	*College Algebra for Calculus (may be met by placement examination)	
WRTG S111	*Writing Across Contexts	

<sup>1</sup> With a C (2.00) or higher

When a student becomes a major in Marine Biology, he or she is assigned a faculty advisor. The student and faculty advisor plan the student's curriculum, and the advisor's signature is required on registration documents.

Candidates must complete the General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below for a minimum of 120 credit hours.

Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GERs. Specific requirements for GERs in Marine Biology are listed below. The degree must include 44 credits of upper-division (300 or above) courses, 24 of which must be completed at UAS.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	36
Alaska Native Knowledge Graduation Requirement	3
Major Requirements	46
Marine Biology Core Classes	11

Biology Electives	6
General Electives	21

Code	Title	Credits
------	-------	---------

**General Education Requirements**

Must include the following:	36
-----------------------------	----

BIOL S115	*Fundamentals of Biology I
BIOL S116	*Fundamentals of Biology II
MATH S251	Calculus I

**Major Requirements**

BIOL S215	Introduction to Marine Biology	3
BIOL S271	Ecology	4
BIOL S310	Animal Physiology	4
BIOL S362	Genetics	4
BIOL S482	Evolution	4
CHEM S105 & S105L	*General Chemistry I and General Chemistry I Laboratory	4
CHEM S106 & S106L	*General Chemistry II and General Chemistry II Laboratory	4
CHEM S321	Organic Chemistry I	4
CHEM S342	Biochemistry	4
STAT S200	*Elementary Statistics	3

Select one of the following Physics sequences:	8
------------------------------------------------	---

PHYS S123 & PHYS S124	*College Physics I and *College Physics II
PHYS S211 & PHYS S212	*General Physics I and *General Physics II

**Marine Biology Core Classes**

Select three of the following:	10-12
--------------------------------	-------

BIOL S349	Biological Oceanography
BIOL S373	Conservation Biology
BIOL S380	Marine Ornithology and Herpetology
BIOL S384	Marine Mammalogy
BIOL S405	Invertebrate Zoology
BIOL S410	Physiology of Marine Animals
BIOL S427	Introduction to Ichthyology
BIOL S481	Marine Ecology

**Biology Electives**

Select six credits of the following:	6
--------------------------------------	---

BIOL S239	Introduction to Plant Biology
BIOL S311	Communicating Science
BIOL S353	Tropical Marine and Coastal Ecology
BIOL S355	Experimental Design and Data Analysis
BIOL S375	Current Topics in Biology:
BIOL S380	Marine Ornithology and Herpetology
BIOL S396	Field Studies in Behavior and Ecology <sup>1</sup>
BIOL S398	Individual Research <sup>1</sup>

BIOL S441	Animal Behavior
BIOL S480	Aquatic Pollution
BIOL S492	Biology Seminar
BIOL S498	Research in Biology
ENVS S414	Biogeochemistry
ENVS S416	Biogeography and Landscape Ecology

All Marine Biology students have the option of pursuing a Fisheries Science Emphasis, which will satisfy up to 21 of the 22 General Elective requirements.

**Fisheries Science Emphasis Requirements 19-21**

Must include (13 credits):

BIOL S110	Introduction to Marine Fisheries Science <sup>4</sup>
BIOL S427	Introduction to Ichthyology
FISH F288	(Fish and Fisheries of Alaska) <sup>4</sup>
FISH F487	(Fisheries Management) <sup>4</sup>

Select two additional electives in BIOL (UAS) or FISH (UAF) with advisor permission (6-8 credits).

**General Electives**

To include upper-division courses as needed to meet up to 22 44 upper division credits required for degree.

- <sup>1</sup> Up to 6 credits total from BIOL S396, BIOL S398, BIOL S498 may be applied
- <sup>2</sup> Only 4 credits from BIOL S375 and 2 credits from BIOL S492 may be applied toward the Biology Electives. Others may be applied toward General Electives.
- <sup>3</sup> May be applied toward the Biology Electives and General Electives for students not pursuing the emphasis. FISH courses available from UAF distance or face-to-face at the Lena Point SFOS facility.
- <sup>4</sup> May be applied toward the Biology Electives and General Electives for students not pursuing the emphasis. FISH courses available from UAF distance or face-to-face at the Lena Point SFOS facility.

## Mathematics, B.S.

### Juneau

The Bachelor of Science in Mathematics provides a solid foundation in mathematics. In addition to taking the core and interdisciplinary courses, students will also take part in a seminar dedicated to undergraduate research during their last two years. After obtaining the degree, students will have opportunities in secondary education, graduate studies and direct entry into the job market. Each student will be advised by faculty to achieve a specific program tailored for the student's goals. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>). Additional information may be found at [https://uas.alaska.edu/arts\\_sciences/naturalsciences/math/index.html](https://uas.alaska.edu/arts_sciences/naturalsciences/math/index.html) ([https://uas.alaska.edu/arts\\_sciences/naturalsciences/math/](https://uas.alaska.edu/arts_sciences/naturalsciences/math/)).

## Admission Requirements

Applicants will be considered for full admission to the BS program with a GPA of 2.00 or better and after completion of the following with a grade of C (2.00) or better:

Code	Title	Credits
MATH S151	*College Algebra for Calculus (or higher)	4
WRTG S111	*Writing Across Contexts	3

Candidates must complete the General Education Requirements (GER) (<http://catalog.uas.alaska.edu/general-education-requirements/>), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as the specific program requirements listed below for a minimum of 120 credit hours. Courses in a degree program may be counted only once. Courses used to fulfill the major requirements cannot be used to fulfill the GER. The degree must include 42 upper division (300 or above) credits, 24 of which must be completed at UAS.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	35
Alaska Native Knowledge Graduation Requirement	3
Major Requirements	43
Electives/Minor	42

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements. Must include both PHYS S123 and PHYS S124, or both PHYS S211 and PHYS S212.		35
<b>Major Requirements</b>		
MATH S251	Calculus I	4
MATH S252	Calculus II	4
MATH S253	Calculus III	4
MATH S265	Introduction to Mathematical Proofs	3
MATH S302	Differential Equations	3
MATH S314	Linear Algebra	3
MATH S392	Junior Seminar <sup>1</sup>	2
MATH S401	Introduction to Real Analysis	3
MATH S405	Abstract Algebra	3
MATH S492	Senior Seminar <sup>1, 2</sup>	2
STAT S200	*Elementary Statistics	3
Select nine credits from the following: <sup>4</sup>		9
MATH S305	Geometry	
MATH S410	Complex Variables	
MATH S411	History of Mathematics	
MATH S460	Mathematical Modeling	
STAT S373	Probability and Statistics <sup>3</sup>	
STAT S400	Statistical Computing with R	
STAT S401	Regression and Analysis of Variance	

## Electives/Minor

42

Credits applied here must include upper division courses as needed. Students are strongly encouraged to choose from one or more of the following options: Study further topics in the mathematical sciences; explore interdisciplinary applications of mathematics to the sciences, social sciences, or business; take courses in preparation for graduate programs in teacher education; earn minors in one or more additional disciplines; or earn a double major in Mathematics and one of Biology, Marine Biology, Environmental Science, or Environmental Resources.

**Total Credits** **120**

- Two semesters of MATH S392 and two semesters of MATH S492 are required.
- As part of the Senior Seminar, all majors are required to complete an advisor approved undergraduate research capstone project that involves the submission of a paper and an oral presentation of the paper.
- STAT S373 may be substituted for STAT S200 or used as a MATH/STAT elective, but not both.
- Other advisor approved upper division mathematics or statistics may be used.

## Social Science, B.A.

### Juneau, e-Learning for select emphasis

With concentration areas in:

Anthropology  
History  
Political Science  
Psychology  
Sociology

The B.A. degree in Social Science with an emphasis in a social science discipline enables students to engage in advanced course work in at least three social science disciplines as well as experience a rich interdisciplinary focus pursuing their degree. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<http://uas.alaska.edu/provost/assessment.html>).

## Admission Requirements

After admission to UAS and declaring a social science major, applicants are admitted to the B.A. in Social Science program and assigned a faculty advisor.

Candidates must complete General Education Requirements (GERs) (p. 208), the Alaska Native Knowledge Graduation Requirement (p. 71), as well as specific program requirements listed below for a minimum of 120 credit hours. Specific requirements for GERs in Social Science are listed below. Students must select one primary and two secondary concentration areas. The degree must include 42 credits of upper-division (300 or above) courses, 24 of which must be completed at UAS.

Students must pass all SSCI and Social Science methods classes and all classes within the Primary and Secondary Concentrations

with a C (2.00) or better. The Student Assessment Portfolio (SAP) is required for degree completion. SSCI S200 is taken in the sophomore year with presentation of the completed portfolio in the final semester of the student's senior year. Students must also take one Social Science methods course in addition to any methods course required in their Primary Concentration.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	35
Alaska Native Knowledge Graduation Requirement	3
Social Science Orientation	3
Social Science Methods	3-4
Language Requirements	6-8
Primary Concentration Requirements	24-25
Secondary Concentration Requirements	30-31

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements which must include the following:		35

#### Computational Skills

Select one of the following:		
MATH S113	*Concepts and Contemporary Applications of Mathematics	
MATH S151	*College Algebra for Calculus	
STAT S107	*Survey of Statistics	

#### Social Science Orientation

SSCI S200	Orientation to the Social Sciences	3
-----------	------------------------------------	---

#### Social Science Methods

Select one of the following:		3-4
ANTH S311	Methods and Theories in Archaeology	
ANTH S363	Ethnohistory	
ANTH/HIST S390	Archives and Museums Theory and Practice	
ECON S412	Introduction to Econometrics	
HIST S300	Historiography and Historical Methods	
SSCI S300	Research Methods in Social Science	
SSCI S373	Data Analysis in the Social Sciences	
STAT S200	*Elementary Statistics	

#### Language Requirement

Language Courses <sup>1</sup>	6-8
-------------------------------	-----

#### Primary Concentration Requirements

Complete Primary Concentration Requirements. <sup>2</sup>	24-25
-----------------------------------------------------------	-------

#### Secondary Concentration Requirements

Complete Secondary Concentration Requirements. <sup>2</sup>	30-31
-------------------------------------------------------------	-------

Electives	17-14
-----------	-------

<b>Total Credits</b>	<b>120</b>
----------------------	------------

- <sup>1</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have a documented proficiency in a language (other than English), will be considered to have met their language requirement.

- <sup>2</sup> Must pass all courses with grade of C 2.00 or better.

## Social Science Primary Concentrations

Choose one. If a course is taken as a GER, substitution of an equal or higher course level and number of credits in same discipline must be taken to fulfill the primary concentration requirement. Must pass all courses with grade of C (2.00) or better.

### Anthropology

Code	Title	Credits
<b>Primary Concentration Requirements</b>		
ANTH S202	Cultural Anthropology	3
ANTH S205	*Biological Anthropology	3
ANTH Electives <sup>1</sup>		18
<b>Total Credits</b>		<b>24</b>

- <sup>1</sup> At least 12 credits must be upper division.

### History

Code	Title	Credits
<b>Primary Concentration Requirements</b>		
HIST S492	Seminar in History: Selected Topics	3
HIST Electives <sup>1</sup>		15
Select one of the following History sequences: <sup>2</sup>		6
HIST S131 & HIST S132	History of the U.S. I and History of the U.S. II	
HIST S105 & HIST S106	World History I and World History II	
<b>Total Credits</b>		<b>24</b>

- <sup>1</sup> 9 credits must be upper division.

- <sup>2</sup> Courses selected must not be taken as GERs.

### Political Science/Government

Code	Title	Credits
<b>Primary Concentration Requirements</b>		
PS S101	Introduction to American Government	3
or PS S102	Introduction to Political Science	
SSCI S300	Research Methods in Social Science	3
PS Electives <sup>1, 2</sup>		18

<sup>1</sup> At least 12 credits must be upper division

<sup>2</sup> ANS S460 and GEOG S350 count as PS electives

## Psychology

Code	Title	Credits
<b>Primary Concentration Requirements</b>		
PSY S111	*Introduction to Psychology	3
PSY Electives <sup>1</sup>		18
SSCI S300	Research Methods in Social Science	3
<b>Total Credits</b>		<b>24</b>

<sup>1</sup> 12 credits must be upper division.

## Sociology

Code	Title	Credits
<b>Primary Concentration Requirements</b>		
SOC S101	Introduction to Sociology	3
SOC Electives <sup>1</sup>		18
SSCI S300	Research Methods in Social Science	3
<b>Total Credits</b>		<b>24</b>

<sup>1</sup> At least 12 credits must be upper division.

## Social Science Secondary Concentrations

Choose two of the following disciplines different from your primary concentration area and complete 15-16 credit course sequencing for both. If course taken as a GER, substitution of an equal or higher course level and number of credits in the same discipline must be taken to fulfill the secondary concentration requirement. Must pass all courses with grade of C (2.00) or better.

## Anthropology

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
ANTH S202	Cultural Anthropology	3
ANTH Electives <sup>1</sup>		12
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> At least 9 credits must be upper division.

## Economics

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
ECON S201	Principles of Macroeconomics	3
ECON S202	Principles of Microeconomics	3
ECON Electives <sup>1</sup>		9-10
<b>Total Credits</b>		<b>15-16</b>

<sup>1</sup> At least 6 credits must be upper division.

## History

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
Select one of the following History sequences:		6
HIST S131 & HIST S132	History of the U.S. I and History of the U.S. II <sup>1</sup>	
HIST S105 & HIST S106	World History I and World History II <sup>1</sup>	
HIST Electives <sup>2</sup>		9
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> Courses selected must not be taken as GERs.

<sup>2</sup> Minimum of 6 credits must be upper-division.

## Political Science/Government

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
PS S101	Introduction to American Government	3
or PS S102	Introduction to Political Science	
PS Electives <sup>1, 2</sup>		12
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> At least 6 credits must be upper division.

<sup>2</sup> ANS S460 and GEOG S350 count as PS electives

## Psychology

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
PSY S111	*Introduction to Psychology	3
PSY Electives <sup>1</sup>		12
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> 6 credits must be upper division

## Sociology

Code	Title	Credits
<b>Secondary Concentration Requirements</b>		
SOC S101	Introduction to Sociology	3
SOC Electives <sup>1</sup>		12
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> 6 credits must be upper division

## Social Work through UAF, B.S.W.

Graduates in social work qualify for beginning practice positions in child welfare, mental health, services for the aged, family agencies, youth programs, health services, Native corporations and other social agencies. Social work applies knowledge in the behavioral sciences to deal with the emotional and social problems of individuals, families and communities.

The curriculum includes a liberal arts base, foundation requirements in the behavioral sciences, and sequences in social policy and services, practical methods and field instruction. A major emphasis is the preparation of the student for beginning

social work practice with rural and Alaska Native populations. Qualified students will complete a 400 hour practicum in a community social service agency in their senior year.

Delivery Courses are accessible throughout the state using a variety of e-Learning techniques including audio conferences and face-to-face seminars. This means students in rural regions of the state may be able to acquire the BA Social Work degree without relocating to a major campus of the university.

Complete general and core requirements for the B.A. degree in Communication Skills, Humanities and the Social Sciences; Perspectives on the Human Condition; Mathematics or Computer Science and Natural Science.

Refer to the UAF Academic Catalog for the complete listing and all the degree requirements.

**Contact:** Heidi Brocius  
Clinical Associate Professor of Social Work  
University of Alaska Fairbanks  
(907) 796-6213

## Special Education, B.A.

### Juneau, e-Learning

The Bachelor of Arts in Special Education program prepares teacher candidates to develop and implement culturally responsive special education services for students with disabilities. The program focuses on the unique needs of:

1. children and youth with disabilities;
2. Alaska's diverse Native and non-Native communities; and
3. Alaska's remote, rural, and urban communities.

Candidates who complete the B.A. in Special Education program can receive an Alaska Teaching Certificate with an Endorsement in Special Education (Grades K-12) from the Alaska Department of Education & Early Development.

Courses are offered at the Juneau campus and through a variety of virtual platforms. The e-Learning option allows candidates who live and work in Alaska's remote and rural communities to remain in their home communities while completing their degrees.

## Admission to Senior Year Practicum and Student Teaching

Requires membership in the AKCOE adopted data management system. The software is necessary for selected upper-division courses in the degree program. Refer to the FAQ in the Student Services page of the AKCOE website for additional information <https://www.uas.alaska.edu/education/student-services/index.html> (<https://www.uas.alaska.edu/education/student-services/>) In addition to UAS admissions requirements, students must complete the following to be admitted into the senior year:

1. Minimum GPA of 3.00
2. Successful completion of all pre-senior year courses with grades of C 2.00 (not C-) or better

3. Application for student teaching, including fingerprinting and background check
4. Praxis Core/CASE exam scores meeting Alaska Department of Education & Early Development requirements for initial teacher certification. The Praxis Core exam assesses basic knowledge in reading, writing, and math.
5. Two letters of recommendation from individuals other than an education professor speaking to the student's potential as a certified teacher.

## Exit Criteria

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting Alaska Department of Education & Early Development requirements for initial teacher certification.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>120</b>
General Education Requirements	35
Alaska Native Knowledge Graduation Requirement	3
Breadth Requirements	22
Major Requirements	63

Code	Title	Credits
<b>General Education Requirements</b>		
Complete all General Education Requirements.		35
<b>Breadth Requirements</b>		
MATH S211	Mathematics for Elementary School Teachers I	3
MATH S212	Mathematics for Elementary School Teachers II	3
ED S230	Introduction to Educational Technology	3
Language Requirement: <sup>1</sup>		4
Select one of the following:		3
PSY S245 or PSY S250	Child Development *Lifespan Development	
Select one of the following:		3
ANS S101	*Introduction to Alaska Native Studies <sup>2</sup>	
ANS S240	Indigenous Oral Literature <sup>2</sup>	
ALST S300	Alaska Studies	
ANS S320	AK Native Ecological Knowledge <sup>2</sup>	
ANTH S200	Alaska Native Cultures	
ANTH S475	Alaska Native Social Change	
ART S263	*Northwest Coast Native Art History & Culture <sup>2</sup>	
HIST S341	History of Alaska	
Advisor approved elective		
Select one of the following:		3
ED S380	Multicultural Education	

COMM S330	Intercultural Communication	
<b>Major Requirements</b>		
ECE S420	Developing Literacy in the Early Years	3
ED S222	Orientation to the Teaching Profession	3
ED S302	Foundations of Literacy and Language Development <sup>3</sup>	3
ED S333	The Learner and the Learning Process	3
ED S405	Children's Literature in the Alaska Context	3
ED S448	Classroom Management in K-8 Classrooms	3
ED S452	Student Teaching	6
EDSE S405	Early Childhood Special Education	3
EDSE S410	Assessing Students with Disabilities	3
EDSE S412	Curriculum and Strategies: Low incidence	3
EDSE S422	Curriculum and Strategies: High Incidence	3
EDSE S482	Inclusive Education for Students with Disabilities	3
EDSE S483	Language and Literacy: Assessment and Intervention	3
EDSE S485	Transition Planning for Secondary Students	3
EDSE S486	Special Education in the Alaskan Context	3
EDSE S494	Special Education Practicum (Special Education Practicum)	3
EDSE S495	Professional and Ethical Practice	3
Select one of the following:		3
EDSE S487	Supporting Student Engagement	
EDSE S492	Seminar: Special Education	
Major Elective:		6
Upper division course <sup>4</sup>		
Advisor Approved		
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> Six to eight credits in a one-year sequence of a single Alaska Native or other language. With departmental approval, students who study abroad in a language other than English, or who have a documented proficiency in a language (other than English), will be considered to have met their language requirement.

<sup>2</sup> Meets the Alaska Native Knowledge Graduation Requirement.

<sup>3</sup> Requires passing scores on Praxis Core Academic Skills for Educators (CASE) or passing scores on DEED approved Basic Competency Exams (BCE).

<sup>4</sup> Or other upper-division EDSE courses from UAF or UAA.

## Certificates

Certificates are programs that are designed to give intensive training in specific occupational areas. Skills gained are job-entry-level in nature, and course work completed may apply toward other degree programs. Students interested in a certificate should apply through the Office of Admissions.

Undergraduate certificates are typically programs of one year length for full-time students. Certificates require 9 credits of general requirements be completed as well as major requirements for a minimum of 30 credits. Requirements for the certificates may be articulated with the associate of applied science degrees. Contact an advisor for assistance in planning a program of study and choosing appropriate courses.

Minimum credit requirements	30
Resident credit requirements	9

### Certificates Available:

- Accounting Technician (p. 101)
- Applied Fisheries (p. 102)
- Drafting Technology (p. 103)
- Health Information Management Coding Specialist (p. 103)
- Healthcare Privacy and Security (p. 104)
- Indigenous Language Speaking Certificate (p. 104)
- Indigenous Language Teaching Certificate (p. 105)
- Medical Assisting (p. 106)
- Outdoor Skills & Leadership (p. 106)
- Pre-Nursing Qualifications (p. 107)
- Pre-Radiologic Technology Qualification (p. 107)
- Small Business Management (p. 108)

## Accounting Technician Certificate

### Juneau, e-Learning

The accounting certificate program is designed to provide intensive training for accounting occupations. Skills gained are job-entry in nature.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	9-10
Program Requirements	21

  

Code	Title	Credits
<b>General Requirements</b>		
<i>Written and Oral Communication Skills</i>		
Select one of the following:		3
BA S163	Business English	
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
WRTG S111	*Writing Across Contexts	
<i>Computational Skills</i>		
BA S116 or MATH S105	Business Mathematics Intermediate Algebra	3-4
<i>Other Skills</i>		
Select one of the following:		3
BA S251	Management Skills	
PSY S111	*Introduction to Psychology	
<b>Program Requirements</b>		
ACCT S201	Principles of Financial Accounting <sup>2</sup>	3
ACCT S202	Principles of Managerial Accounting	3
ACCT S222	Computer Automated Accounting	3
ACCT S225	Payroll Accounting	3
BA S151	Introduction to Business	3
CIS S235	Spreadsheet Concepts and Applications	3
Advisor approved elective		3
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> Grade C 2.00 or better<sup>2</sup> ACCT S121 and ACCT S122 meet ACCT S201 requirement.

## Applied Fisheries Certificate

### Sitka, e-Learning

The Certificate in Applied Fisheries offers students a broad training and background in fisheries, while also including courses encompassing broad areas of knowledge that support advanced learning. This program is articulated with the A.A.S. in Applied Fisheries and is intended to offer students practical skills and knowledge to enter careers in fisheries. Students may elect a certificate with an Aquaculture or Fisheries Management emphasis. The Certificate requires 3 credit hours of internship.

## Alaskan Aquaculture Emphasis

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>33</b>
General Requirements	11
Program Requirements	22

Code	Title	Credits
<b>General Requirements</b>		
<i>Written and Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	*Small Group Communication and Team Building <sup>1</sup>	
WRTG S111	*Writing Across Contexts	
WRTG S212	*Writing and the Professions	
<i>Computational Skills</i>		
Select one of the following:		4
MATH S105	Intermediate Algebra	
MATH S151	*College Algebra for Calculus	
STAT S107	*Survey of Statistics	
<i>Science Skills</i>		
Select one of the following:		4
BIOL S103	*Biology and Society	
BIOL S104	*Natural History of Alaska	
BIOL S115	*Fundamentals of Biology I	
BIOL S116	*Fundamentals of Biology II	
CHEM S103	*Introduction to General Chemistry	
ENVS S102	*Earth and Environment	
<b>Program Requirements</b>		
CIS S105	Computer Literacy	3
FT S120	Fisheries of Alaska	3
FT S122	Alaska Salmon Culture I	3
FT S222	Alaska Salmon Culture II	3
FT S291	Fisheries Technology Internship	3
FT S274	Fish Biology	3
Select one of the following:		
OCN S101	*Introduction to Oceanography	3
or FT S270	Freshwater Ecology	
Select one of the following:		
FT S125	Fish Pathology Lab	1
or FT S223	Alaskan Aquaculture Lab	
<b>Total Credits</b>		<b>33</b>

<sup>1</sup> Grade C 2.00 or better

## Fisheries Management Emphasis

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>33</b>
General Requirements	11
Program Requirements	22

  

Code	Title	Credits
<b>General Requirements</b>		
<i>Written and Oral Communication Skills</i>		
Select one of the following:		3
WRTG S111	*Writing Across Contexts	
WRTG S212	*Writing and the Professions	

COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	*Small Group Communication and Team Building <sup>1</sup>	
<i>Computational Skills</i>		
Select one of the following:		4
MATH S105	Intermediate Algebra	
MATH S151	*College Algebra for Calculus	
STAT S107	*Survey of Statistics	
<i>Science Skills</i>		
Select one of the following:		4
BIOL S103	*Biology and Society	
BIOL S104	*Natural History of Alaska	
BIOL S115	*Fundamentals of Biology I	
BIOL S116	*Fundamentals of Biology II	
CHEM S103	*Introduction to General Chemistry	
ENVS S102	*Earth and Environment	
<b>Program Requirements</b>		
CIS S105	Computer Literacy	3
FT S120	Fisheries of Alaska	3
FT S211	Fisheries Management Techniques	3
FT S272	Fisheries Management, Law and Economics	3
FT S274	Fish Biology	3
FT S291	Fisheries Technology Internship (Fisheries Technology Internship)	3
Select one of the following:		
OCN S101	*Introduction to Oceanography	3
or FT S270	Freshwater Ecology	
Select one of the following:		
FT S212	Fisheries Management Techniques Lab	1
or FT S125	Fish Pathology Lab	
<b>Total Credits</b>		<b>33</b>

<sup>1</sup> Grade C 2.00 or better

## Drafting Technology Certificate

### Juneau

Courses combine the technical information and hands-on experience necessary for work in a variety of drafting fields. Students gain hands-on training in construction, and develop job ready skills with conventional drawing techniques and computer-aided drafting. Development of skills in mathematics, drawing, architectural and engineering concepts, design and construction techniques.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	10
Program Requirements	20

Code	Title	Credits
<b>General Education Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	Writing Across Contexts	3
<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	Small Group Communication and Team Building <sup>1</sup>	
COMM S237	Interpersonal Communication <sup>1</sup>	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra (or higher)	3-4
<b>Program Requirements</b>		
CT S121	Light Wood Frame Construction	1
CT S121L	Light Wood Frame Construction Lab	2
CT S170	Residential Design, Codes and Standards	3
CT S175	Introduction to AutoCAD	3
CT S181	Intermediate AutoCAD	3
CT S201	Cold Climate Construction	3
Advisor Approved Electives		6
<b>Total Credits</b>		<b>30-31</b>

<sup>1</sup> Grade of C 2.00 or better

## Health Information Management Coding Specialist Certificate

### Sitka, e-Learning

An area of HIM specifically focused on coding/classifications systems at both the inpatient and outpatient level. The certificate will allow students to obtain entry-level skills in healthcare coding and the opportunity to continue to earn an associate of applied science degree. National credentialing exams are available at both the entry and advanced level. Minimum grade of C (2.00) is required in all courses. A grade of C- is not considered passing.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	10
Program Requirements	20

Code	Title	Credits
<b>General Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	Fundamentals of Oral Communication	
COMM S235	Small Group Communication and Team Building	

COMM S237	Interpersonal Communication	
COMM S241	Public Speaking	
<i>Science Skills</i>		
HS S114	Fundamentals of Anatomy and Physiology <sup>1</sup>	4
<b>Program Requirements</b>		
HIM S135	Medical Terminology	3
HIM S155	Coding I: Outpatient	3
HIM S255	Coding II: Inpatient	3
HIM S258	Coding III: Advanced Coding	3
HIM S261	Revenue and Financial Management for Healthcare	3
HIM S272	Pathophysiology and Pharmacology	4
HIM S282	CCS Examination Preparation	1
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> Students going on to a Bachelor's degree are advised to take BIOL S111 and BIOL S112 in place of HS S114.

## Healthcare Privacy and Security Certificate

### Sitka, e-Learning

This e-Learning Healthcare Privacy and Security Certificate prepares students for employment in data access, disclosure and healthcare informatics. Students who complete this program are prepared to work in a variety of employment settings, particularly in healthcare related facilities. This certificate contains coursework that will apply toward the Associate of Applied Science degree in Health Information Management (HIM). Minimum grade of C (2.00) is required in all courses. A grade of C- is not considered passing. courses.

### Admission Requirements

High school diploma or GED, and must complete English placement exam as part of the admissions process.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	9
Program Requirements	21

  

Code	Title	Credits
<b>General Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	Fundamentals of Oral Communication	3
COMM S235	Small Group Communication and Team Building	3
COMM S237	Interpersonal Communication	3
COMM S241	Public Speaking	3

<i>Computer Skills</i>		
CIS S105	Computer Literacy	3
<b>Program Requirements</b>		
HIM S101	Introduction to Health Information Management I	3
HIM S102	Introduction to Health Information Management II	3
HIM S181	Introduction to Healthcare Systems	3
HIM S240	Legal Aspects of Health Information	3
HIM S251	Quality Improvement and Project Management	3
HIM S285	Healthcare Privacy and Security	3
HIM S289	Healthcare Information Technology	3

## Indigenous Language Speaking Certificate

### Juneau, Ketchikan, Sitka, e-Learning

The certificate in Indigenous Language Speaking prepares students to work in the growing language revitalization field, including within tribal organizations, tribal corporations, school districts, and non-profit organizations. It also supplements students' learning goals within the Indigenous Teaching Certificate and would support eventual or tandem enrollment in the Bachelor of Liberal Arts in Alaska Native Languages & Studies. 11 credits fulfill the GER requirement for certificates, with the rest of the courses focused on language communication, understanding & human relations, for a total of 31 credits, depending on the track chosen.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>31</b>
General Education Requirements	11
Program Requirements	20

  

Code	Title	Credits
<b>General Requirements</b>		
<i>Indigenous Studies</i>		
ANS S101	*Introduction to Alaska Native Studies	3
<i>Alaska Native Languages</i>		
Select one of the following language sequences:		8
<i>Tlingit</i>		
AKL S105	*Beginning Tlingit I	
AKL S106	*Beginning Tlingit II	
<i>Haida</i>		
AKL S107	*Beginning Haida I	
AKL S108	*Beginning Haida II	
<i>Tsimshian</i>		
AKL S109	*Beginning Tsimshian I	
AKL S110	*Beginning Tsimshian II	

## Selected Indigenous Language Emphasis

Students select a language and go through the Beginning, Intermediate, and Advanced series within that language. Multiple certificates may be earned if selecting a different language for subsequent certificates.

### Lingít Yoo X#’atángi (Tlingit)

Code	Title	Credits
<b>Tlingit</b>		
<i>Core Language Courses</i>		17
AKL S205	*Intermediate Tlingit I	
AKL S206	*Intermediate Tlingit II	
AKL S305	Advanced Tlingit I	
AKL S306	Advanced Tlingit II	
Advisor Approved Elective		
<i>Master Apprentice</i> <sup>1</sup>		3
AKL S401	Alaska Language Apprenticeship/Mentorship	

### X#aad Kíl (Haida)

Code	Title	Credits
<b>Haida</b>		
<i>Core Language Courses</i>		17
AKL S207	*Intermediate Haida I	
AKL S208	*Intermediate Haida II	
AKL S307	Advanced Haida I	
AKL S308	Advanced Haida II	
Advisor Approved Elective		
<i>Master Apprentice</i> <sup>1</sup>		3
AKL S401	Alaska Language Apprenticeship/Mentorship	

### Shm’algayack/Sm’algya#x (Tsimshian)

Code	Title	Credits
<b>Tsimshian</b>		
<i>Core Language Courses</i>		17
AKL S209	*Intermediate Tsimshian I	
AKL S210	*Intermediate Tsimshian II	
AKL S309	Advanced Tsimshian I	
AKL S310	Advanced Tsimshian II	
Advisor Approved Elective		
<i>Mentor Apprentice</i> <sup>1</sup>		3
AKL S401	Alaska Language Apprenticeship/Mentorship	

<sup>1</sup> Upon advisor approval, student may substitute three credits of upper division in the same language if a mentor is unavailable.

## Indigenous Language Teaching Certificate

Juneau, Ketchikan, Sitka, e-Learning

The certificate in Indigenous Language Teaching prepares students to work in the growing language revitalization field, including within tribal organizations, tribal corporations, school districts, and non-profit organizations. This certificate is meant to lead to a type M certification within the state of Alaska. It also supplements students' learning goals within the Indigenous Language Learning Certificate, and would support eventual or tandem enrollment in the Bachelors of Liberal Arts in Alaska Native Languages & Studies and/or a Masters in Teaching degree. 11 credits fulfill the GER requirement for the certificate, with the rest of the courses focused on teaching language communication, understanding & human relations, for a total of 38 credits.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>38</b>
General Education Requirements	11
Program Requirements	27

Code	Title	Credits
<b>General Requirements</b>		
<i>Humanities</i>		
Select one of the following language sequences:		8
<i>Tlingit</i>		
AKL S105	*Beginning Tlingit I	
AKL S106	*Beginning Tlingit II	
<i>Haida</i>		
AKL S107	*Beginning Haida I	
AKL S108	*Beginning Haida II	
<i>Tsimshian</i>		
AKL S109	*Beginning Tsimshian I	
AKL S110	*Beginning Tsimshian II	
<i>Indigenous Studies</i>		
ANS S101	*Introduction to Alaska Native Studies	3

Code	Title	Credits
<b>Program Requirements</b>		
<i>Sociolinguistics</i>		
AKL S290	Indigenous Language Revitalization	3
AKL S460	Indigenous Language Field Methods	3
<i>Teaching Indigenous Languages</i>		
AKL S371	Foundations of Indigenous Language Education	3
AKL S410	Indigenous Language Curriculum Design & Instruction	3
AKL S415	Indigenous Language Instructional Strategies	3
AKL S471	Indigenous Language Teacher Apprenticeship	3
AKL S490	Practicum in Indigenous Language Education	3
Advisor approved electives		6

# Medical Assisting Certificate

## Sitka, e-Learning

Medical assistants are multi-skilled health professionals specifically educated to work primarily in ambulatory care settings, such as physician's offices, clinics and outpatient care centers under the direct supervision of physicians, nurse practitioners or physician assistants. Medical assistants perform both administrative and clinical duties.

## Admission Requirements

Students must complete the following admission procedure:

1. Place into WRTG S110 (or higher), MATH S054 (or higher).
2. Program director approval and completed application with health examination, current TB test and immunizations.<sup>1</sup>

<sup>1</sup> Eligibility for the CMA (AAMA) certification examination may be denied by the American Association of Medical Assistants (AAMA) Certifying Board if the applicant has been found guilty or pleaded guilty to a felony.

Minimum grade of C- is required for all courses with an overall 2.00 GPA or higher for certificate completion.

Courses in Medical Assisting Procedures (Clinical I & II and Administrative I & II) can only be taken by students admitted to the Medical Assisting Program. The Practicum serves as the capstone and can be taken only after other program requirements are completed. Accreditation standards require the practicum to be unpaid.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>36</b>
General Requirements	6
Program Requirements	30-31

  

Code	Title	Credits
<b>General Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
<i>Social Sciences</i>		
PSY S111	*Introduction to Psychology	3
or PSY S250	*Lifespan Development	
<b>Program Requirements</b>		
HS S102	Fundamentals of CPR and First Aid <sup>1</sup>	1
HS S114	Fundamentals of Anatomy and Physiology	4
HS S116	Mathematics in Health Care	3
HS S135	Medical Terminology	3
MA S133	Medical Assisting Procedures: Administrative I	4
MA S142	Medical Assisting Procedures: Clinical I	4
MA S233	Medical Assisting Procedures: Administrative II	4

MA S242	Medical Assisting Procedures: Clinical II	4
MA S294A	Medical Assisting Practicum <sup>2</sup>	4
<b>Total Credits</b>		<b>37</b>

- 1 This course is waived with a current first aid and provider level CPR.
- 2 All applicable cognitive objectives and psychomotor and affective competencies must be achieved prior to the start of the practicum.

## Outdoor Skills and Leadership Certificate

### Juneau

The certificate is a nine month intensive humanities program designed to develop skills and characteristics that are essential to success as an individual, a group member, and a leader in outdoor and adventure settings. The program incorporates outdoor risk management, leadership skills, specific outdoor activity skills (such as rock and ice climbing, kayaking, skiing, camping), and academic work in areas such as Alaska history, science, philosophy, and communication. Both outdoor and academic courses are designed to develop not only knowledge but also personal traits such as self-reliance and good judgment. The curriculum includes 34 credits of course work and practical learning experiences. Individuals who complete the program will have the knowledge and skills to plan and manage a variety of outdoor experiences and will be well qualified for entry level positions in the outdoor industry. The Outdoor Skills and Leadership program offers courses in partnership with the U.S. Forest Service.

## Admission Requirements

Please see the section titled "Additional Program Requirements: Outdoor Studies" on our Admissions page (<https://uas.alaska.edu/apply/steps/freshmen.html>) for specific application and admission requirements.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>34</b>
Program Requirements	34-35

**Students must complete WRTG S111 with a C (2.00) or higher or place into WRTG S111 to complete this program. Students should note that they are only allowed to take courses for which they meet the prerequisites.**

Code	Title	Credits
<b>Program Requirements</b>		
ODS S120	Wilderness First Responder	4
ODS S243	Outdoor Studies and Leadership	3
ODS S245	Outdoor Studies Expedition I	3-4
ODS S372	Mountain Studies: Philosophy, Literature, and Practice	4
ODS S373	Ocean Studies: Images of the Environment	4

*Related academic courses*

Select six credits of the following:	6
ENGL S303	Literature and the Environment
HUM S360	Alaska: A Contested Geography
HUM S370	Sport, Leisure, and Culture
PHIL S371	Perspectives on the Natural World
Select 10 credits of the following:	10
ODS S112	Swiftwater Rescue
ODS S114	Backpacking in Southeast Alaska
ODS S115	Winter Backpacking in Southeast Alaska
ODS S116	Introduction to Rock Climbing
ODS S117	Introduction to Ice Climbing
ODS S118	Avalanche Evaluation and Theory I
ODS S133	Introduction to Sea Kayaking
ODS S134	Introduction to Swiftwater Travel
ODS S148	Backcountry Skiing and Snowboarding
ODS S205	Backcountry Navigation
ODS S216	Rock Climbing Level II
ODS S217	Ice Climbing Level II
ODS S218	Avalanche Evaluation and Theory Level II
ODS S221	Glacier Travel and Crevasse Rescue Fundamentals
ODS S222	Mountaineering I
ODS S233	Expedition Sea Kayaking <sup>1</sup>

<sup>1</sup> May be repeated for up to 3 credits.

## Pre-Nursing Qualifications Certificate

### Juneau, Ketchikan, Sitka, e-Learning

The Certificate in Pre-Nursing Qualifications (CPNQ) prepares students to apply to professional nursing programs. The certificate includes General Education Requirements (GERs) in communication, computation, and human relations. The listed courses provide pre- and co-requisite preparation for successful application to most nursing programs. This certificate fulfills the minimum requirements for the UAA/UAS AAS Registered Nurse (RN) program. Further, it includes most of the prerequisite course requirements for the UAA BS in Nursing program. Completion of this certificate is not a guarantee of admission into any particular nursing program.

The CPNQ Certificate requires a minimum of 38 credits, with 16 of these credits in the GERs. At least 9 credits must be taken at UAS. A minimum grade of C (2.00) is required in all courses. Program details are listed below.

Requirement		Hours
Minimum Credit Hours		38
General Requirements		16
Program Requirements		22
Code	Title	Credits
General Requirements		
Written Communication Skills		
WRTG S111	*Writing Across Contexts	3
WRTG S211	*Writing and the Humanities	3
or WRTG S212	*Writing and the Professions	
Oral Communication Skills		
Select one of the following:		3
COMM S111	*Fundamentals of Oral Communication	
COMM S235	*Small Group Communication and Team Building	
COMM S237	*Interpersonal Communication	
COMM S241	*Public Speaking	
Computational Skills		
MATH S105	Intermediate Algebra	4
Social Sciences		
PSY S250	*Lifespan Development	3
Program Requirements		
BIOL S111	*Human Anatomy and Physiology I <sup>1</sup>	4
BIOL S112	*Human Anatomy and Physiology II	4
BIOL S240	Introductory Microbiology	4
CHEM S103	*Introduction to General Chemistry	4
HS S135	Medical Terminology	3
HS S203	Science of Nutrition	3

<sup>1</sup> Students without a science or healthcare background should take HS S135 before taking BIOL S111.

## Pre-Radiologic Technology Qualifications Certificate

### Juneau, Ketchikan, Sitka, e-Learning

Prepares students to apply to most professional medical imaging programs. Includes a base in the university GER options and includes all pre-requisites needed for application to the UAA Associate of Applied Science (A.A.S.) degrees in Radiologic Technology program. Completion of the certificate does not guarantee acceptance into a medical imaging program. Students need to consult with a Health Sciences advisor before registering for courses.

Requires at least 9 classes, yielding a minimum of 30 credits of which 19 are GERs. At least 9 credits must be taken at UAS. **A minimum grade of C (2.00) is required in all courses.**

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	19
Program Requirements	11

Code	Title	Credits
<b>General Requirements</b>		
<i>Written Communication Skills</i>		
WRTG S111	*Writing Across Contexts	3
WRTG S211	*Writing and the Humanities	3
or WRTG S212	*Writing and the Professions	
<i>Oral Communication Skills</i>		
Select one of the following:		3
COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	*Small Group Communication and Team Building <sup>1</sup>	
COMM S237	*Interpersonal Communication <sup>1</sup>	
COMM S241	*Public Speaking <sup>1</sup>	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra	4
<i>Social Sciences</i>		
PSY S111	*Introduction to Psychology	3
PSY S250	*Lifespan Development	3
<b>Program Requirements</b>		
BIOL S111	*Human Anatomy and Physiology I <sup>2</sup>	4
BIOL S112	*Human Anatomy and Physiology II	4
HS S135	Medical Terminology	3
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> Students without science or healthcare background should take HS S135 before taking BIOL S111.

## Small Business Management Certificate

### Juneau, e-Learning

The one-year Small Business Management certificate enables the student to explore business career options and gives entry-level job or upgrade skills for employment advancement. It may also be the first year of training towards the two-year Associate of Applied Science in Business Administration. The Small Business Management curriculum is designed to provide education in business theory and practical applications necessary for owners, managers, and employees of small business firms. Students planning to pursue an Associate degree or Bachelor's degree should consult with an advisor for the business programs.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>30</b>
General Requirements	9
Program Requirements	21

Code	Title	Credits
<b>General Requirements</b>		
<i>Written and Oral Communication Skills</i>		
Select two of the following (6 credits):		6
BA S163	Business English	
BA S263	Business Communications	
COMM S111	Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	Small Group Communication and Team Building <sup>1</sup>	
COMM S237	Interpersonal Communication <sup>1</sup>	
WRTG S111	*Writing Across Contexts	
<i>Computational Skills</i>		
MATH S105	Intermediate Algebra (or higher math)	3-4
or BA S116	Business Mathematics	
<b>Program Requirements</b>		
ACCT S201	Principles of Financial Accounting <sup>2</sup>	3
or ACCT S100	Recordkeeping for Small Businesses	
BA S151	Introduction to Business	3
BA S166	Small Business Management	3
BA S251	Management Skills	3
CIS S235	Spreadsheet Concepts and Applications	3
Advisor approved electives <sup>3</sup>		3
Advisor approved elective		3
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> Grade C 2.00 or better

<sup>2</sup> ACCT S121 and ACCT S122 will meet ACCT S201 requirement

<sup>3</sup> Business administration, economics, law science or accounting.

## Graduate Studies

### Graduate Dean

Maren Haavig

### Graduate Studies Programs

The mission of the UAS Graduate Studies Program is to help students develop intellectual breadth and the specialized training necessary for careers in teaching, administration and public policy.

Admission to graduate school is an opportunity; it is also a significant responsibility. Graduate school requires careful planning and a commitment to the study of a chosen discipline or profession. Whether you are pursuing a degree as a requirement for advancement, personal growth, or for other reasons, you

can expect a challenging, high quality graduate education at UAS. Upon successful completion of a program, you will be able to demonstrate mastery of your discipline. Appropriate exit requirements allow our students to express the knowledge they have acquired in formats designed for their respective programs.

The problems facing Alaska and the Nation require both knowledge and new ways of using knowledge to meet current challenges. The graduate programs at UAS consist of discipline specific course sequences, seminars, independent studies, and research investigations differing significantly from the undergraduate experience. The intellectual interaction among graduate students and their faculty remains the most significant factor in post-baccalaureate study. Most course work occurs in small classes where graduate students work together to support each other as they participate in intellectual challenges. UAS graduate programs are designed to encourage students to develop and enhance these intellectual opportunities. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

The following graduate programs are offered:

### **Master of Arts in Teaching**

- Elementary Education (K-8 e-Learning) (p. 116)
- Secondary Education (p. 119) (e-Learning)
- Special Education (p. 120) (e-Learning)

### **Master of Education**

The following are all available via e-Learning:

- Educational Leadership (p. 115)
- Reading Specialist (p. 118)
- Special Education (p. 121)

### **Master of Public Administration (p. 117)**

(Juneau campus and e-Learning combination)

- Higher Education Concentration
- Rural Development Concentration

### **Graduate Certificates**

- Elementary Education K-8 (p. 111)
- Reading Specialist (p. 112)
- Secondary Education
- Special Education

## **General University Requirements**

General university requirements for master degree students include maintaining a minimum GPA of 3.00 and completing the minimum credit hours required for their program. All courses must be post baccalaureate credits, and all but 6 semester credits must be at the 600 level. Courses at the 100-300 level cannot be used in graduate programs.

Courses at the 500 level earned at any University of Alaska campus or equivalent types of continuing education courses from any college or university may not be applied toward the degree program or be counted as an elective to complete the required number of credits. Non-catalog courses (i.e., 693 special topics)

may be used in a graduate program with advisor approval. No more than 6 credits may be special topics. Specific course requirements for individual programs are listed in the official UAS catalog and in program bulletins.

## **Good Standing**

A student in good standing is one who maintains a B (3.00) average throughout his/her program. A grade of C (2.00) is the minimum passing grade in any course in the student's program.

## **Academic Probation and Program Removal**

If a student's graduate program grade point average drop below 3.00 for two semesters, the student will be placed on academic probation. Terms and conditions of the probation are determined by the advisor in conformance with UAS graduate study requirements. These may include specific conditions and/or credit limitations that the student must meet during his/her next enrollment at UAS.

A student remaining on academic probation for two enrolled semesters will be removed from the program. To continue to pursue a degree, the student must submit a new application for admission, pay the application fee, and include an improvement/ completion plan which will be reviewed by both the program dean and the graduate dean.

## **Grading**

Generally, letter grades are used in graduate study at UAS. Some courses may, however, be offered as pass/ fail. These are usually short courses, thesis or graduate portfolio credits. An explanation of the grading system can be found on the grades tab (p. 19).

## **Transfer of Graduate Credits**

A maximum of 9 graduate credit hours may be transferred from another accredited institution outside the University of Alaska system if approved by the student's advisor and the graduate dean. Applicants to UAS programs admitted to the other graduate program from UAA or UAF may transfer up to 15 credits required for the graduate degree or certificate program if approved by the student's advisor and the graduate dean. Applicants to UAS programs admitted to the same graduate program from UAA or UAF may transfer up to two-thirds of the credits required for the graduate degree or certificate program if approved by the student's advisor and the graduate dean. At least one-third of the credits must be earned at UAS.

## **Time Limit on Graduate Study**

All courses, projects, and theses required for a graduate degree program must be completed within a seven-year period from the semester of the first course and the semester of degree completion.

## **Full-Time/Half-Time Status**

A graduate student enrolled in nine or more graduate semester credit hours or its equivalent will be classified as full time. Students enrolled in five to eight graduate semester credit hours are classified as half-time.

## Study Load, Summer Session

During summer session, students may not exceed a total of 12 credits without prior approval of the student's advisor or the program dean. For sessions of one week, students may not exceed one credit hour.

## Program of Study

The program plan for a graduate degree is determined by the basic program requirements and by the student in consultation with and approval of the advisory. Faculty advisors provide guidance in selecting the courses which satisfy university and program requirements and which contribute to the academic and professional goals of the student.

After the student has been unconditionally admitted to the graduate program a degree plan will be created by the student and their academic advisor.

Unless the advisor approves a substitution by revising the degree plan, students must complete all courses listed in the degree plan before the degree will be granted.

## Completion Requirements

**Application for Graduate Certificate:** Graduate Certificate candidates must formally apply for completion by submitting an application for graduation. The application must be filed with the UAS Registrar's Office by October 1 for fall, February 1 for spring and July 1 for summer completion.

**Application for Graduation:** Degree candidates must formally apply for graduation by submitting an Application for Graduation and Completion form. A \$50 fee is required. The application for graduation must be filed with the UAS Registrar's Office by October 1 for fall, February 1 for spring and July 1 for summer completion. Late applications will be processed when received by the published last deadline and will include an additional \$25 late application fee. If the application is received subsequent to the published application late deadline, the application will be moved to the next semester graduation term.

**Diplomas and Commencement:** UAS issues diplomas to graduate at the end of each semester. Students who complete degree requirements during the academic year are invited to participate in the annual commencement ceremony held in May.

**Grade Point Average:** To meet graduation requirements, the student's UAS cumulative grade point average must be 3.00 or above.

**Responsibility:** The responsibility for meeting all requirements for graduation rests with the student.

## Procedures for Second or Dual Master's Degrees

### Second Master's Degree

The following procedures are required for students who wish to pursue a second master degree:

1. A new application for admission to the new program
2. All procedures required for the initial degree apply, including updated transcripts, if applicable; three new letters of reference; formal paper or letter of application; and payment of application fee
3. A maximum of 9 semester credit hours from other graduate degrees the student has received, may be approved by the advisor except for a transferring student who was in the process of earning a second degree from another University of Alaska campus. The rules under "Transfer of Graduate Credit" would then apply

### Dual Master's Degrees

A graduate student may work concurrently toward the completion of the requirements of two master's degrees in complementary disciplines where an overlap of coursework and/or research occurs. The dual degree program is planned in consultation with and approved by the advisors from each program. The courses to be accepted dually for the two degrees shall be determined by the department(s) involved but may not exceed one-third of the required semester credits for a degree. If the two master's programs have different totals for course credits, the one-third limit is determined by the smaller course total.

To ensure time for adequate planning, application for admission to the second program in the dual degree program must be made no later than one month before the semester in which the student starts the final one-third of the course credits for the first degree. All requirements for each degree must be met, and no more than 9 credits can be transferred from a previously awarded master's degree.

The following procedures are required for students who wish to pursue dual master's degrees:

1. A new application for admission to the second master's program and payment of an additional application fee
2. Official transcripts for any University or college work attempted at other institutions in the interim between applying for the first and second master's programs
3. A new formal paper or letter of application, where applicable, appropriate to the new program
4. New letters of reference, if applicable

## Graduate Certificates

### Available in:

- Elementary Education K-8 (p. 111)
- Reading Specialist (p. 112)
- Secondary Education
- Special Education

Education Graduate certificates provide candidates with eligibility endorsements to an Alaska teaching certificate. All coursework must be completed within a seven-year period immediately preceding the date the graduate certificate is granted. Graduate certificates are granted by the University of Alaska Southeast; UAS provides the State-Approved Verification Form to the student

to submit to the Alaska Department of Education and Early Development for endorsement.

A certificate of completion can be obtained after completion of a Graduate Certificate program by submitting an Application for Graduation and Commencement, marking Graduate Certificate (no fee), and e-mailing to: [uas.graduation@alaska.edu](mailto:uas.graduation@alaska.edu).

Deadline dates: Fall - October 1; Spring - February 1; Summer - July 1. The certificate of completion is optional.

Call (907) 796-6076 (toll free: 1-866-465-6424) with admissions questions.

## Elementary Education K-8 Graduate Certificate

### e-Learning

#### Contacts:

Dr. Beth Hartley  
(907) 244-7807  
[eahartley@alaska.edu](mailto:eahartley@alaska.edu)

The teacher certification program in Elementary Education is a graduate certificate that leads to recommendation for an elementary K-8 Initial Teacher Certificate. The program is offered by e-Learning only and is available to students in urban and rural areas throughout Alaska. On-site cohorts may also be formed as demand warrants. Students in the program must be self-directed learners, must have access to high speed Internet connections, and must schedule time during the school year to complete weekly intensive practicum assignments and a semester of student teaching in an elementary or middle school. Certification students must receive the approval of the local school district, as extensive practicum experiences are required.

Courses are delivered via audio and online. Students must have access to high speed internet, a speakerphone, a digital camera, a digital video camera, and a scanner.

***Candidates must secure and submit an active Interested Persons Report (IPR) from a local law enforcement agency in order to begin graduate practicum coursework. This is required for working with students in public schools.***

## Application Requirements

Applicants must have a bachelor's degree with a general education background from an accredited institution. The program advisor will examine transcripts to determine if the applicant has sufficient background in writing, mathematics, social science, physical and life science, child development, the arts, physical education, and health. Applicants who lack sufficient background in one or more of these areas can expect to take additional coursework.

Admission to the K-8 Graduate Certificate program requires the following:

1. A completed graduate application and \$60 nonrefundable application fee.
2. An official transcript indicating baccalaureate degree and a GPA of 3.00.

3. Two recommendations addressing professional dispositions for the Elementary program on specific forms provided by the School of Education.
4. A writing sample consisting of two pieces: (a) Statement of professional objectives and (b) An impromptu writing sample (prompt provided by School of Education).
5. Information Release Waiver Statement.
6. Documentation of successful work with children and early classroom experience.
7. Passing Praxis CASE/Core exam scores must be sent to UAS. (Students taking the Praxis outside of Alaska must also have the scores sent to the Alaskan Department of Education & Early Development directly from Education Testing Services (ETS), using code **7027**.)
8. Content competency in writing, mathematics, social science, physical and life sciences, child development, the arts, physical education, and health are assessed at admission. Candidates may need to take extra undergraduate level coursework if deficient in any area.
9. Applicants may also be interviewed.
10. Student Information Sheet

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/elementary-education.html>.

## Praxis II Exam

To successfully graduate from the program, students must pass the Praxis II Elementary Content exam at state approved levels.

For student teaching, the department may limit registration, determine assignments, and prescribe the number of teaching hours required. Six successful credits of student teaching are required. The Program Coordinator reserves the right to require an additional 3-6 credit hours of student teaching for students who fail to meet the standard.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>33</b>
Foundational Courses	12
Major Requirements	33

Code	Title	Credits
<b>Foundational Courses</b>		
ED S230	Introduction to Educational Technology	3
ED S320B	Physical Education in the K-8 Curriculum	1
ED S320E	Health in the K-8 Curriculum	1
ED S333	The Learner and the Learning Process	3
EDSE S482	Inclusive Education for Students with Disabilities	3
Select one of the following:		1
ED S320A	Art in the K-8 Curriculum	
ED S320C	Music in the K-8 Curriculum	
ED S320D	Drama in the K-8 Curriculum	
<b>Major Requirements</b> <sup>1</sup>		

ALST S603	Alaska Literature for Young People	3
ECE S661	Literacy and Young Children	3
ED S615	Literacy in the Intermediate and Middle School Grades	3
ED S616	Math Methods in the K-8 Classroom	3
ED S617	Science Methods in the K-8 Classroom	3
ED S618	Social Studies in the K-8 Classroom	3
ED S619	Classroom Management and Discipline	3
ED S620	Curriculum Development	3
ED S680	Perspectives in Multicultural Education	3
ED S688	Student Teaching	6
<b>Total Credits</b>		<b>45</b>

<sup>1</sup> **Candidates must secure and submit an active Interested Persons Report (IPR) from a local law enforcement agency in order to begin graduate practicum coursework. This is required for working with students in public schools.**

**Recommendation for certification will be granted upon successful completion of the above coursework.**

Students are encouraged to complete the remaining coursework required for the M.A.T. degree during their initial years as classroom teachers. For more information, see the MAT Elementary (p. 116).

## Reading Specialist Graduate Certificate

### e-Learning

#### Contact:

Lisa K. Richardson  
(907) 796-6435  
lrichardson3@alaska.edu

Admission to the Reading Certificate program requires the same application materials as the M.Ed. in Reading Specialist (p. 118). If the Reading Specialist Graduate Certificate application is submitted with the M.Ed. application, the \$60 application fee will be charged only once.

### Application Requirements

1. Application for admission and \$60 non-refundable admission fee.
2. Copy of a current Alaska teaching or administrative certificate.
3. Two Letters of Recommendation on UAS form.
4. Official transcript(s) indicating a baccalaureate degree and a GPA of 3.0.

5. Please write an essay of three to five pages (1500 words maximum) describing the following topics:
  - a. Describe your rationale for applying to a graduate program in (insert program title here) and your professional goals related to this course of study.
  - b. What are some of the challenges that face educators in public education today? How might continued study support you in mediating these challenges or supporting possible solutions in your context?
  - c. Describe a trend in education and your perception of its effects for learners and systems of education.
  - d. Reflecting on your career in education to this point
  - e. Describe a success that you experienced and why you considered this experience a success.
  - f. Describe a situation that did not result in a positive outcome and what you might have done differently.
6. Statement of ability to do field experience on UAS form.

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/reading-specialist.html>.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>27</b>
Code	Title	Credits
<b>Certificate Requirements</b>		
EDRE S671	Language, Reading and Culture	3
EDRE S674	Developing Reading, ECE-12	3
EDRE S675	Reading and Cognition	3
EDRE S678	Literature and Reading: Supporting Readers at All Levels	3
EDRE S679	Reading and Literacy in the Content Areas	3
EDRE S680	Reading Instruction and Assessment I	6
EDRE S681	Reading Instruction and Assessment II	3
EDRE S696	Reading Teacher As Leader	3
<b>Total Credits</b>		<b>27</b>

### Exit Requirements

1. GPA of 3.00
2. Satisfactory completion of all courses

## Secondary Education Graduate Certificate

### Juneau, e-Learning

**Contact:** Mischa Jackson  
(907) 796-6076  
mpjackson2@alaska.edu

The Graduate Certificate program for Secondary and Middle Grades Education (grades 6-12) is an intense 11-month program for students who are seeking certification in secondary and middle grades education. Applicants to this program should have

an undergraduate degree in a subject normally taught in Alaska secondary schools (e.g. English, social studies, mathematics, sciences, art, music). A total of 24 graduate credits are required. To be considered in the first round for the upcoming program, candidates must apply by April 1<sup>st</sup> and submit all application materials by May 1<sup>st</sup>. A secondary review of applicants will be completed in an ongoing manner based on available space in the program.

This graduate certificate program is designed for teacher candidates who have already earned master's degree or have experience teaching. It requires a full time, year-long internship in an Alaskan middle school or secondary school.

## Admissions Requirements

1. UAS Graduate Application (\$60 fee)
2. Transcripts from all universities attended with a Cumulative GPA: 3.0 minimum
3. Two recommendation forms addressing Academic Content and Professional Dispositions
4. Student Information Sheet
5. Information Release Waiver Statement
6. Statement of Professional Objectives
7. Passing Praxis CASE/Core exam scores must be sent to UAS. Students taking the Praxis outside of Alaska must also have the scores sent to the Alaskan Department of Education and Early Development (code R7027).

Note: students must pass the Praxis CASE/Core exam prior to admission

8. A passing Praxis II content area exam score must be sent to UAS before students can be fully admitted to this program. Students taking the Praxis out of state must also have the scores sent to the Alaskan Department of Education and Early Development (code R7027).

Note: students must pass the Praxis II content area exam prior to admission. Students with questions about which Praxis II exam to take should contact Mischa Jackson.

9. Students must complete a transcript evaluation form to be reviewed by faculty prior to admission. (If there are content deficiencies, the student will be advised to defer enrollment. )
10. Student Teaching Authorization
11. Scheduled interview with faculty, either face to face or through web conference. The admissions interview will be conducted by UAS supervision faculty in alignment with subject area disciplines.

In order to meet the criteria for teaching experience, applicants must provide documentation (evaluations, employment verification, lesson plans etc.) from a teaching position in a private school, an outdoor or experiential education program or an international school. Substitute teaching or early childhood experience does not apply. The documentation should demonstrate that the applicant planned for instruction, facilitated learning and completed all duties related to the teaching assignment.

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/secondary-education.html>.

Code	Title	Credits
Minimum Credits		24
ALST S600	Alaska Resources, People and Perspectives	3
ED S620	Curriculum Development	3
ED S680	Perspectives in Multicultural Education	3
ED S691	Internship: (Education Internship) <sup>1</sup>	3
ED S692	Education Seminar <sup>1</sup>	3
EDSE S682	Inclusive Education for Students with Disabilities	3

<sup>1</sup> Two semesters required for total 6 credits.

## Special Education Graduate Certificate

### Juneau, e-Learning

The Graduate Certificate program in Special Education prepares teachers to develop and implement culturally responsive special education services for students with disabilities. The program focuses on the unique needs of:

1. children and youth with disabilities;
2. Alaska's diverse Native and non-Native communities; and
3. Alaska's remote, urban and rural communities.

Candidates who complete the Graduate Certificate program in Special Education can receive an Endorsement in Special Education (Grades K-12) from the Alaska Department of Education & Early Development.

The Graduate Certificate in Special Education program is designed to accommodate practicing teachers, paraprofessionals, and other school-based professionals. Courses offered year-round in the evenings and online through a variety of virtual platforms. This e-learning format allows candidates who live and work in Alaska's remote and rural communities to remain in their home communities while completing their graduate studies. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

Requires membership in the SOE data management system. Refer to the FAQ in the Student Services page of the SOE website for additional information <https://www.uas.alaska.edu/education/student-services/index.html> (<https://www.uas.alaska.edu/education/student-services/>)

## Admission Requirements Education Certificate

1. Application for admission and \$60 non-refundable admission fee.

2. Copy of a current Alaska teaching certificate.
3. Two Letters of Recommendation on UAS form.
4. Official transcript(s) indicating a baccalaureate degree and a GPA of 3.00. degree.
5. Please write an essay of three to five pages (1500 words maximum) describing the following topics:
  - a. Describe your rationale for applying to a graduate program in special education and your professional goals related to this course of study.
  - b. What are some of the challenges that face educators in public education today? How might continued study support you in mediating these challenges or supporting possible solutions in your context?
  - c. Describe a trend in education and your perception of its effects for learners and systems of education.
  - d. Reflect on your career in education to this point.
  - e. Describe a success that you experienced and why you considered this experience a success.
  - f. Describe a situation that did not result in a positive outcome and what you might have done differently.

## Exit Requirements

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. An approved Special Education Portfolio
4. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting Alaska Department of Education & Early Development requirements. The score report must be sent to UAS admissions and to DEED.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>24</b>
Foundation		6
Certificate Requirements		24
Code	Title	Credits
<b>Foundation</b>		
EDSE S482	Inclusive Education for Students with Disabilities	3
EDSE S486	Special Education in the Alaskan Context	3
<b>Certificate Requirements</b>		
EDSE S605	Early Childhood Special Education	3
EDSE S610	Assessment of Students with Disabilities	3
EDSE S612	Curriculum and Strategies: Low Incidence	3
EDSE S622	Curriculum and Strategies: High Incidence	3
EDSE S677	Language & Literacy: Assessment & Intervention	3
EDSE S685	Transition Planning for Secondary Students	3

EDSE S694	Special Education Practicum (Special Education Practicum)	3
EDSE S695	Professional and Ethical Practice	3
<b>Total Credits</b>		<b>30</b>

## Exit Requirements

1. Satisfactory completion of all courses
2. GPA of 3.00
3. An approved Special Education Portfolio
4. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting Alaska Department of Education & Early Development requirements. The score report must be sent to UAS Admissions and to DEED.

## Master's Degrees

### Master of Arts in Teaching

- Elementary Education (p. 116)
- Secondary Education (p. 119)
- Special Education (p. 120)

### Master of Education

- Educational Leadership (p. 115)
- Reading Specialist (p. 118)
- Special Education (p. 121)

### Master of Public Administration

- Public Administration (p. 117)

### Master of Arts in Teaching

The Master of Arts in Teaching (M.A.T.) programs are designed for students who have completed a baccalaureate degree with content coursework appropriate to their teaching area and grade level and who are seeking a teaching certificate. There are currently three M.A.T. programs at UAS: The MAT in Secondary Education, Elementary Education, and Special Education. All candidates will be required to complete a student teaching experience. University supervisors work closely with "host" schools and will travel to meet personally with each candidate and the mentor or host teacher. The content coursework required for each program varies and should be discussed with the program coordinator. In order to defray some of the costs of the supervisor's travel, an additional fee will be assessed.

The secondary and middle grades program (grades 6 - 12) is an intensive 11-month program with internships available throughout the state of Alaska. It is usually offered as a cohort model beginning in the summer with courses taken on the Juneau campus. Students may also enter the program in August or January with approval from the program coordinator. In the fall and spring students take e-Learning classes in addition to the internship in the community where they've been placed.

The elementary and special education programs are delivered by e-Learning at the student's individual pace.

Application and program information online [uas.alaska.edu/education/](https://uas.alaska.edu/education/) (https://uas.alaska.edu/education/). Select "Getting Started".

## Praxis Core and Praxis II Exams

In order to be fully admitted to an M.A.T. program, applicants must pass all three sections of the Praxis Core exam at state-approved levels. Passing CBEST or WEST-B scores in reading, writing, and mathematics may be submitted in lieu of passing Praxis Core scores. Praxis Core must be successfully completed prior to practicum or student teaching.

Praxis exams must be successfully completed as a condition of program completion and are required for issue of Institutional Recommendations.

Prior to completing the M.A.T. program, prospective teachers must pass Praxis II content exams meeting Alaska cut scores. Elementary and Special Education candidates take the Praxis II exam Elementary Content Knowledge 5014.

For Secondary students, the Praxis II exam(s) will be in the content area where endorsement is desired. See your advisor for information about which content area Praxis II tests are recognized by the State of Alaska.

## Rural Alaska Experience

Students completing the internship or student teaching during spring semester are eligible to visit a rural community in Alaska and observe and teach in the community school. The School of Education will arrange one full week of classroom participation visit and cover the airfare costs associated with the travel.

## Master of Education

The M.Ed. is offered with emphasis in Educational Leadership, Reading, and Special Education. The Master of Education programs extend and develop classroom skills and abilities of practicing teachers in elementary and secondary education. Applicants to the Master of Education program must have a Bachelor of Education degree or its equivalent from an accredited institution, and/or a current teaching certificate.

For programs which include an internship or practicum, a supervision fee will be assessed to help defray the cost of the supervisor's travel. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

The Master of Public Administration (M.P.A.) is a graduate program for students wishing to pursue the study of policy formation, implementation, and administration. The degree is available entirely via distance and online meeting times are scheduled so that working adults have the opportunity to complete the program of study.

The M.P.A. provides optional concentration areas of:

Higher Education

Rural Development

## Educational Leadership, M.Ed.

### Juneau, e-Learning

#### Contact:

Mary Wegner  
(907) 796-6552  
[mlwegner@alaska.edu](mailto:mlwegner@alaska.edu)

The M.Ed. Educational Leadership program is a cohort program designed to prepare candidates to become school administrators in Alaska. The program prepares candidates for the challenges and opportunities inherent in assuming roles as educational leaders in public schools. The program is designed to prepare building level administrators in both rural and urban districts in the state.

The M.Ed. program in Educational Leadership is designed to provide candidates the opportunity to begin the program in one summer session and complete it in the next. In addition, candidates will be expected to complete courses and School of Education approved internship during the school year. Summer courses will be held on the Juneau campus of the University of Alaska Southeast. Fall and spring courses will be delivered through technology. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Application Requirements

Admission to the M.Ed. in Educational Leadership requires the following:

1. Completed application and \$60 non-refundable application fee
2. Official academic transcript indicating a baccalaureate degree with a GPA of 3.00
3. Three years public school teaching experience
4. Letter of recommendation or support from the superintendent of schools of the district in which the internship will occur
5. Please write an essay of three to five pages ( 1500 words maximum) describing the following topics:
  - a. Describe your rationale for applying to a graduate program in (insert program title here) and your professional goals related to this course of study.
  - b. What are some of the challenges that face educators in public education today? How might continued study support you in mediating these challenges or supporting possible solutions in your context?
  - c. Describe a trend in education and your perception of its effects for learners and systems of education.
  - d. Reflecting on your career in education to this point
  - e. Describe a success that you experienced and why you considered this experience a success.
  - f. Describe a situation that did not result in a positive outcome and what you might have done differently.

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/educational-leadership.html>.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>36</b>
Major Requirements		36
Code	Title	Credits
<b>Major Requirements</b>		
ED S627	Educational Research	3
ED S637	Introduction to Educational Leadership	9
ED S638	Curriculum and Instructional Leadership I	3
ED S639	Curriculum and Instructional Leadership II	3
ED S690	Educational leadership II	9
ED S691	Internship: (Superintendent I)	3
ED S691	Internship: (Superintendent II)	3
ED S698	Master's Research Project or Portfolio	3
<b>Total Credits</b>		<b>36</b>

## Elementary Education, M.A.T.

### e-Learning

#### Contacts:

Dr. Beth Hartley  
(907) 244-7807  
eahartley@alaska.edu

This program is offered to students throughout Alaska who desire the flexibility of an e-Learning program. On-site cohorts may also be formed as demand warrants. Students in this program must be self-directed learners, must have access to high speed internet connections, and adequate audio/visual technology that allows for effective online audio and visual communication and interaction. Students must schedule time during the school year to complete weekly intensive practicum assignments as well as a semester of student teaching in an elementary or middle school. The Graduate Certificate in Elementary Education is embedded in the M.A.T. program. For more information on certification see the graduate certificate section of this catalog. This program leads to a Master's degree as well as recommendation for an Alaska Initial Elementary (grades K-8) teaching certificate.

For student teaching, the department may limit registration, determine assignments, and prescribe the number of teaching hours required. Six successful credits of student teaching are required. The Program Director reserves the right to require an additional 3-6 credit hours of student teaching for students who fail to meet the standard.

***Candidates must secure and submit an active Interested Persons Report (IPR) from a local law enforcement agency in order to begin graduate practicum coursework. This is required for working with students in public schools.***

## Application Requirements

Applicants must have a bachelor's degree with a general education background from an accredited institution. The program advisors will examine transcripts to determine if the applicant has sufficient content background in writing, mathematics, social science, physical and life sciences, child development, the arts, physical education, and health. Applicants who lack sufficient content background in one or more of these areas can expect to take additional coursework.

1. A completed graduate application and \$60 nonrefundable application fee.
2. An official transcript indicating baccalaureate degree and a GPA of 3.00.
3. Two recommendations addressing professional dispositions for the Elementary program on specific forms provided by the School of Education.
4. A writing sample consisting of two pieces: (a) Statement of professional objectives and (b) An impromptu writing sample (prompt provided by School of Education).
5. Information Release Waiver Statement.
6. Documentation of successful work with children and early classroom experience.
7. Passing Praxis CASE/Core exam scores must be sent to UAS. (Students taking the Praxis outside of Alaska must also have the scores sent to the Alaskan Department of Education & Early Development directly from Education Testing Services (ETS), using code **7027**.)
8. Content competency in writing, mathematics, social science, physical and life sciences, child development, the arts, physical education, and health are assessed at admission. Candidates may need to take extra undergraduate level coursework if deficient in any area.
9. Applicants may also be interviewed.
10. Student Information Sheet

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/elementary-education.html>.

Applicants should consult with an advisor for individual program scheduling.

Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>39</b>
Foundational Courses		12
Major Requirements		39
Code	Title	Credits
<b>Foundational Courses</b>		
ED S230	Introduction to Educational Technology	3
ED S320B	Physical Education in the K-8 Curriculum	1
ED S320E	Health in the K-8 Curriculum	1

ED S333	The Learner and the Learning Process	3
EDSE S482	Inclusive Education for Students with Disabilities	3
Select one of the following:		1
ED S320A	Art in the K-8 Curriculum	
ED S320C	Music in the K-8 Curriculum	
ED S320D	Drama in the K-8 Curriculum	
<b>Major Requirements<sup>1</sup></b>		
ALST S603	Alaska Literature for Young People	3
ECE S661	Literacy and Young Children	3
ED S615	Literacy in the Intermediate and Middle School Grades	3
ED S616	Math Methods in the K-8 Classroom	3
ED S617	Science Methods in the K-8 Classroom	3
ED S618	Social Studies in the K-8 Classroom	3
ED S619	Classroom Management and Discipline	3
ED S620	Curriculum Development	3
ED S680	Perspectives in Multicultural Education	3
ED S688	Student Teaching	3-6
Recommendation for certification will be granted upon successful completion of the above coursework. Students are encouraged to complete the remaining coursework required for the M.A.T. degree during their initial years as classroom teachers:		
ED S626	Classroom Research	3
ED S698	Master's Research Project or Portfolio	3
<b>Total Credits</b>		<b>51</b>

<sup>1</sup> **Candidates must secure and submit an active *Interested Persons Report (IPR)* from a local law enforcement agency in order to begin graduate practicum coursework. This is required for working with students in public schools.**

## Exit Criteria

1. A Master's Portfolio that provides evidence that the student meets all program goals/outcomes.
2. Official Praxis II exam scores meeting Alaska cut scores are due upon completion of student teaching and are required for issuance of the State-Approved Program Verification Form and graduate certificate.
3. 3.00 GPA

## Public Administration, M.P.A.

### Juneau, e-Learning

The master program in public administration provides a strong interdisciplinary context in which to pursue the study of policy

formation, implementation, and administration. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

## Application Requirements

Admission to the Master of Public Administration degree requires the following:

1. Mandatory advising with the M.P.A. director
2. A completed online application at <http://uaonline.alaska.edu>
3. \$60 application fee
4. Official academic transcript indicating baccalaureate degree sent directly to UAS
5. Professional resume or vita
6. Two page (approximately 1,000 words) statement of professional objectives describing past public and non-profit experiences, outlining professional goals and stating how the M.P.A. program will help achieve your professional objectives
7. Three recommendations addressing professional dispositions on special forms provided by the UAS M.P.A. program

Items 1-7 are required for a complete application file. If you wish, you may submit any other documentation which you feel is relevant. Items 4 and 5 may be submitted by e-mail. See Graduate Study – Admissions for more information.

Candidates for the Master of Public Administration degree must satisfy all University graduate degree requirements in this catalog as well as the specific program requirements in this section. A minimum of 36 approved credits is required for the degree, in addition to evidence of practical experience in public or non-profit administration.

In order to permit students to pursue individual interests, a limited substitution of required courses is possible. Course substitutions must be approved by the student's advisor and the program dean. The student's approved program of study is reflected in the Application for Advancement to Candidacy.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>36</b>
Code	Title	Credits
<b>Major Requirements</b>		
PADM S601	Introduction to Public Administration	3
PADM S604	Applied Research Methods	3
PADM S614	Public Policy and Accountability	3
PADM S616	Leadership	3
PADM S622	Human Resources and Organizational Development	3
PADM S628	Public Financial Management	3
PADM S688	Program Evaluation	3
PADM S690	Public Administration Capstone	3
<i>Concentration or advisor approved electives</i>		<i>12</i>

<sup>1</sup> To qualify for graduation from the M.P.A. program, students must complete the Capstone course with a grade of B or higher.

## Master of Public Administration Concentrations

M.P.A. students have the option to use their electives to establish a concentration in Higher Education or Rural Development.

### Concentration in Higher Education

This concentration focuses on higher education institutions and the organization development processes, contemporary theories and practical considerations including leadership styles and administrative processes with an emphasis on Alaska and the Yukon Territories.

Requirement		Hours
<b>Concentration Requirements</b>		<b>12</b>
Code	Title	Credits
PADM S651	Introduction to Higher Education	3
PADM S653	Organizational Development in Higher Education	3
PADM S655	Higher Education and Public Policy	3
PADM S657	Higher Education Law	3
<b>Total Credits</b>		<b>12</b>

### Concentration in Rural Development

The Rural Development concentration has a special focus on needs of indigenous and other rural communities, including management of tribal governments, community organizations, and indigenous-controlled profit and non-profit corporations. Coursework for this concentration is offered by e-Learning technologies through the Rural Development program at the University of Alaska Fairbanks.

Requirement		Hours
<b>Concentration Requirements</b>		<b>12</b>
Code	Title	Credits
RD F601	(Political Economy of the Circumpolar North)	3
RD F651	(Management Strategies for Rural Dev)	3
Advisor approved RD F6__ courses <sup>2</sup>		6
<b>Total Credits</b>		<b>12</b>

<sup>2</sup> To be selected in consultation with the UAF Rural Development Advisor and M.P.A. Program Director.

## Reading Specialist, M.Ed.

### e-Learning

**Contact:** Lisa K. Richardson, Ph.D.  
(907) 796-6435

lrichardson3@alaska.edu

The M.Ed. in Reading program is designed specifically to deepen P-12 teachers' pedagogical content knowledge with the aim of improved student literacy achievement. This program is delivered in face-to-face and e-Learning formats so that it is possible to complete the degree while teaching in your own district. Technological tools facilitate course delivery, communication, and research. Enhancements include streamed video, braided discussions, audio conferencing, video reflections, and use of Internet resources. Students in the master's reading program focus on developmental, cognitive, and sociocultural aspects of reading acquisition, instruction, and assessment. Professional and caring attitudes and beliefs about teaching lead to responsive and rigorous instruction in reading and literacy for all P-12 students, including those who are culturally and linguistically diverse. Accomplished teaching professionals promote collaboration with students, colleagues, parents, families, and the larger community to improve literacy learning and student achievement in their contexts. Students prepare an exit portfolio in line with the goals of the School of Education and the program standards of the International Reading Association to demonstrate levels of knowledge and pedagogy commensurate with the skills and dispositions of highly competent advanced teaching professionals. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

The UAS Reading Specialist program has gained national recognition by the International Reading Association since 2004. The International Literacy Association renewed recognition for the program in 2015.

## Application Requirements

1. A completed graduate application and \$60 nonrefundable application fee.
2. An official transcript indicating baccalaureate degree and a GPA of 3.00.
3. Two general recommendations written on UAS provided form by former or current professors, employers, or supervisors who are familiar with your work and performance.
4. Please write an essay of three to five pages (1500 words maximum) describing the following topics:
  - a. Describe your rationale for applying to a graduate program in (insert program title here) and your professional goals related to this course of study.
  - b. What are some of the challenges that face educators in public education today? How might continued study support you in mediating these challenges or supporting possible solutions in your context?
  - c. Describe a trend in education and your perception of its effects for learners and systems of education.
  - d. Reflecting on your career in education to this point
  - e. Describe a success that you experienced and why you considered this experience a success.
  - f. Describe a situation that did not result in a positive outcome and what you might have done differently.

5. Statement of ability to do field experience.
6. A copy of current teaching or administrative certificate.

Additional information and links to forms at: <https://www.uas.alaska.edu/education/programs/reading-specialist.html>.

Requirement	Hours
Minimum Credit Hours	33
Program Requirements	33

Code	Title	Credits
<b>Program Requirements</b>		
ED S626	Classroom Research	3
EDRE S671	Language, Reading and Culture	3
EDRE S674	Developing Reading, ECE-12	3
EDRE S675	Reading and Cognition	3
EDRE S678	Literature and Reading: Supporting Readers at All Levels	3
EDRE S679	Reading and Literacy in the Content Areas	3
EDRE S680	Reading Instruction and Assessment I	6
EDRE S681	Reading Instruction and Assessment II	3
EDRE S696	Reading Teacher As Leader <sup>1</sup>	3
EDRE S698	Master's Research Project or Portfolio	3
<b>Total Credits</b>		<b>33</b>

<sup>1</sup> Must pass EDRE S696 with a B or higher to graduate

Recommendation for certification will be issued upon completion of the above coursework. The Alaska Department of Education and Early Development grants the endorsement upon completion of the Institutional Recommendations and the required fee from the student. Students must be accepted into the graduate certificate program.

## Secondary and Middle Grades Education, M.A.T.

### Juneau, e-Learning

**Contact:** Mischa Jackson  
(907) 796-6076  
[mpjackson2@alaska.edu](mailto:mpjackson2@alaska.edu)

The Master of Arts in Teaching, Middle Grades and Secondary program (grades 6-12) is an 11-month program for students who have completed a baccalaureate degree and who are seeking a teaching certificate in secondary and middle grades education. Applicants to this program should preferably have an undergraduate degree in a subject normally taught in Alaska secondary schools (e.g. English, social studies, mathematics, sciences, art, music) or be willing to take courses in that subject area to strengthen their content background. Contact Mischa Jackson ([mpjackson2@alaska.edu](mailto:mpjackson2@alaska.edu)) for more information. Placements for this program are made throughout Alaska. A total of 36 graduate credits are required. To be considered in the first round for the upcoming cohort, candidate must apply by April

1st. A secondary review of applicants will be completed in an ongoing manner based on available space in the program.

The six-week summer program is offered on the Juneau campus and prepares the intern to begin the teaching internship when the public schools begin. Fall and Spring courses are offered via e-Learning only.

## Application Requirements

1. UAS Graduate Application (\$60 fee)
2. Transcripts from all universities attended with a Cumulative GPA: 3.0 minimum
3. Two recommendation forms addressing Academic Content and Professional Dispositions
4. Student Information Sheet
5. Information Release Waiver Statement
6. Statement of Professional Objectives
7. Passing Praxis CASE/Core exam scores must be sent to UAS. Students taking the Praxis outside of Alaska must also have the scores sent to the Alaskan Department of Education and Early Development (code R7027). Passing scores are required prior to admission.
8. A passing Praxis II content area exam score must be sent to UAS before students can be fully admitted to this program. A passing score is required prior to admission. Students taking the Praxis outside of Alaska must also have the scores sent to the Alaskan Department of Education and Early Development (code R7027). Contact Mischa Jackson with questions about which Praxis II exam to take.
9. Students must complete a transcript evaluation form to be reviewed by faculty prior to admission. (If there are content deficiencies, the student will be advised to defer enrollment.)
10. Student Teaching Authorization
11. Scheduled interview with faculty, either face to face or through web conference. The admissions interview will be conducted by UAS supervision faculty in alignment with subject area disciplines.

Additional information and links to forms are available on the SOE Secondary Education website (<https://uas.alaska.edu/education/programs/secondary-education.html>).

Code	Title	Credits
<b>Major Requirements</b>		<b>36</b>
<i>Summer (6 weeks June/July)</i>		
ALST S600	Alaska Resources, People and Perspectives <sup>1</sup>	3
ED S631	Educational Psychology	3
ED S669	Literacy in Middle and Secondary Schools	3
ED S680	Perspectives in Multicultural Education <sup>1</sup>	3
<i>Fall Semester</i>		
ED S606	Secondary Methods for Teaching STEM	3
or ED S607	Secondary Methods for Teaching in the Humanities	
ED S620	Curriculum Development	3

ED S691	Internship: (Education Internship)	3
ED S692	Education Seminar	3
<i>Spring Semester</i>		
ED S627	Educational Research	3
ED S691	Internship: (Education Internship)	3
ED S692	Education Seminar	3
EDSE S682	Inclusive Education for Students with Disabilities	3

<sup>1</sup> Classes needed for state certification

## Exit Criteria

1. A Master's Portfolio which provides evidence that the student meets all program goals/outcomes
2. Official Praxis I exam scores meeting Alaska cut scores
3. Official Praxis II exam scores meeting Alaska cut scores
4. 3.00 GPA

## Special Education, M.A.T.

### e-Learning

The M.A.T. in Special Education program prepares teacher candidates to develop and implement culturally responsive special education services for students with disabilities in kindergarten through twelfth grade. The program focuses on the unique needs of:

1. children and youth with disabilities;
2. Alaska's diverse Native and non-Native communities; and
3. Alaska's remote, rural, and urban communities.

The M.A.T. in Special Education is designed for candidates who are seeking initial certification in special education. The M.A.T. in Special Education program is designed to accommodate working professionals, offering courses in the evenings. Courses are offered year round online using a variety of virtual platforms. This e-Learning format allows candidates who live and work in Alaska's remote and rural communities to remain in their home communities while completing their graduate studies.

Requires membership in the SOE data management system. Refer to the FAQ in the Student Services page of the SOE website for additional information <https://www.uas.alaska.edu/education/student-services/index.html> (<https://www.uas.alaska.edu/education/student-services/>)

## Application Requirements

1. A completed graduate application and \$60 nonrefundable application fee.
2. An official transcript indicating a baccalaureate degree and a GPA of 3.00
3. Two Letters of Recommendation on UAS form.
4. A writing sample consisting of (a) Statement of professional objectives, 1 to 2 pages in length and (b) Statement of your commitment to diversity in the classroom, 1 to 2 pages in length. Instructions for writing sample: MAT Writing Sample

Instructions ([https://uas.alaska.edu/education/documents/special\\_ed/MAT\\_writing\\_sample\\_instructions.pdf](https://uas.alaska.edu/education/documents/special_ed/MAT_writing_sample_instructions.pdf))

5. Successful completion of the DEED required courses for teacher certification in the state of Alaska
  - a. One course meeting the Alaska Studies requirement (<https://education.alaska.gov/teacher/certification/alaska-studies/>)
  - b. One course meeting the Multi-Cultural and Cross-Cultural Communication requirement. (<https://education.alaska.gov/teacher/certification/culture/>)
6. Passing Praxis Core/CASE exam scores must be sent to UAS Admissions and to the Department of Education & Early Development (DEED) using the code R7027. Additional instructions and information on this requirement: [http://www.uas.alaska.edu/education/documents/Praxis\\_CASE.pdf](http://www.uas.alaska.edu/education/documents/Praxis_CASE.pdf)

## Exit Criteria

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. Praxis Core/CASE exam scores meeting Alaska Department of Education & Early Development requirements for initial teacher certification.
4. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting Alaska Department of Education & Early Development requirements for initial teacher certification. Score reports must be sent to UAS Admissions and to DEED.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>39</b>
Foundational Courses	6
Program Requirements	39

Code	Title	Credits
<b>Foundational Course</b>		
EDSE S482	Inclusive Education for Students with Disabilities	3
EDSE S486	Special Education in the Alaskan Context	3
<b>Program Requirements</b>		
ED S688	Student Teaching	6
EDSE S605	Early Childhood Special Education	3
EDSE S610	Assessment of Students with Disabilities	3
EDSE S612	Curriculum and Strategies: Low Incidence	3
EDSE S622	Curriculum and Strategies: High Incidence	3
EDSE S677	Language & Literacy: Assessment & Intervention	3
EDSE S685	Transition Planning for Secondary Students	3
EDSE S692	Seminar: Special Education: Secondary	3
EDSE S694	Special Education Practicum (Special Education Practicum)	3

EDSE S695	Professional and Ethical Practice	3
<i>Major Elective</i>		
Select two of the following:		6
EDSE S487	Supporting Student Engagement	
ECE S661	Literacy and Young Children	
ED S603	Alaska Literature for Young People	
EDSE S609	Classroom Management and Child Guidance in ECE <sup>1</sup>	
Upper division course <sup>2</sup>		
Advisor Approved		
<b>Total Credits</b>		<b>45</b>

<sup>1</sup> This course will count toward a pre-K special education endorsement from DEED.

<sup>2</sup> Or other upper-division (400 level) or graduate level EDSE courses from UAF or UAA. Consult with your advisor regarding options.

## Exit Criteria

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. Praxis Core exam scores meeting the Alaska Department of Education & Early Development requirements for initial teacher certification.
4. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting the Alaska Department of Education & Early Development requirements for initial teacher certification.

## Special Education, M.Ed.

### e-Learning

The M.Ed. program in Special Education prepares teachers to develop and implement culturally responsive special education services for students with disabilities. The program focuses on the unique needs of

1. children and youth with disabilities;
2. Alaska's diverse Native and non-Native communities; and
3. Alaska's remote and rural and urban communities.

The M.Ed. program in Special Education is designed to accommodate practicing teachers, paraprofessionals, and other school-based professionals. Courses are offered year-round in the evenings through a variety of virtual platforms. This e-Learning format allows candidates who live and work in Alaska's remote and rural communities to remain in their communities while completing their graduate studies. Students enrolled in the M.Ed. special education degree are automatically enrolled in the Graduate Certificate program as the course sequence is embedded. Program assessment plans and student learning outcomes are posted at the Program Assessment website (<https://uas.alaska.edu/provost/academic-affairs/assessment/>).

Requires membership in the SOE data management system. Refer to the FAQ in the Student Services page of the SOE website

for additional information <https://www.uas.alaska.edu/education/student-services/index.html> (<https://www.uas.alaska.edu/education/student-services/>)

## Application Requirements

1. A completed graduate application and \$60 nonrefundable application fee.
2. An official transcript indicating a baccalaureate degree and a GPA of 3.00.
3. Copy of current Alaska teaching certificate
4. Two letters of recommendation on UAS form.
5. Please write an essay of three to five pages (1500 words maximum) describing the following topics:
  - a. Describe your rationale for applying to a graduate program in special education and your professional goals related to this course of study.
  - b. What are some of the challenges that face educators in public education today? How might continued study support you in mediating these challenges or supporting possible solutions in your context?
  - c. Describe a trend in education and your perception of its effects for learners and systems of education.
  - d. Reflect on your career in education to this point.
  - e. Describe a success that you experienced and why you considered this experience a success.
  - f. Describe a situation that did not result in a positive outcome and what you might have done differently.

## Exit Criteria

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. An approved Master's Research Project
4. Praxis II exam (Special Education Core Knowledge and Application exam 5354), with scores meeting Alaska Department of Education & Early Development requirements. The score report must be sent to UAS Admissions and to DEED.

Requirement	Hours
<b>Minimum Credit Hours</b>	<b>33</b>
Foundation	6
Program Requirements	33

Code	Title	Credits
<b>Foundation</b>		
EDSE S482	Inclusive Education for Students with Disabilities	3
EDSE S486	Special Education in the Alaskan Context	3
<b>Program Requirements</b>		
EDSE S605	Early Childhood Special Education	3
EDSE S610	Assessment of Students with Disabilities	3
EDSE S612	Curriculum and Strategies: Low Incidence	3

EDSE S622	Curriculum and Strategies: High Incidence	3
EDSE S677	Language & Literacy: Assessment & Intervention	3
EDSE S685	Transition Planning for Secondary Students	3
EDSE S692	Seminar: Special Education: Secondary	3
EDSE S694	Special Education Practicum	3
EDSE S695	Professional and Ethical Practice	3
EDSE S698	Master's Thesis Project	3
<i>Major Elective</i>		
Select one of the following:		3
EDSE S487	Supporting Student Engagement	
ECE S661	Literacy and Young Children	
ED S603	Alaska Literature for Young People	
EDRE S678	Literature and Reading: Supporting Readers at All Levels <sup>1</sup>	
EDRE S679	Reading and Literacy in the Content Areas <sup>1</sup>	
EDSE S609	Classroom Management and Child Guidance in ECE <sup>2</sup>	
Upper division course <sup>3</sup>		
Advisor Approved		
<b>Total Credits</b>		<b>39</b>

<sup>1</sup> Requires previous classroom and teaching experience.

<sup>2</sup> This course will count toward a pre-K special education endorsement from DEED.

<sup>3</sup> Or other upper-division (400 level) or graduate level EDSE courses from UAF or UAA. Consult with your advisor regarding options.

## Exit Criteria

1. Satisfactory completion of all courses
2. GPA of 3.00 or higher
3. An approved Master's Research Project
4. Praxis II: Special Education Core Knowledge and Application exam 5354, with scores meeting Alaska Department of Education & Early Development requirements. The score report must be sent to UAS Admissions and to DEED.

## Education Endorsement Areas

Educators seeking to add a second or subsequent endorsement area to their valid Alaska Teaching Certificate may do so by completing a state-approved program at a regionally accredited college or university. The University of Alaska Southeast currently has two state-approved endorsement programs.

- K-8 Education
- Superintendent

A State-Approved Program Verification Form is prepared for signature by the Dean of Education's Office for each completed Endorsement Area.

The details of these two endorsement programs can be found on the School of Education website at [uas.alaska.edu/education](https://uas.alaska.edu/education) (<https://uas.alaska.edu/education/>)

## Occupational Endorsements

Occupational endorsements are designed to help build an Alaskan workforce by enabling students to develop industry-specific knowledge and skill sets in a relatively short amount of time. These endorsements are under 30 credit hours and will be posted to student transcripts upon completion as approved by the academic department and an application to graduate has been received at the Registrar's Office. The credit hours may be applied (where applicable) to degree programs. **Resident credit requirement** for Occupational Endorsement Certificates is **30% of the program**.

### Occupational Endorsements Available:

- Accountant (p. 122)
- Alaskan Aquaculture (p. 123)
- Behavioral Health Assistant (p. 123)
- Certified Nurse Aide Training (p. 123)
- Computer Aided Drafting Technician (p. 124)
- Diesel/Heavy Duty and Diesel/Marine Technology (p. 126)
- Fisheries Management (p. 124)
- Healthcare Information Technology (p. 124)
- Law Enforcement (p. 125)
- Marine Transportation (p. 125)
- Maritime & Multi Skilled Worker (p. 125)
- Mine Mechanic (p. 126)
- Northwest Coast Art (p. 126)
- Power Technology (p. 126)
- Residential/Light Construction (p. 127)
- Scientific Diving (p. 128)
- Welding (p. 128)

## Accountant O.E.

### Juneau, e-Learning

Provides training for individuals to advance in the accounting field. Participants entering the program may already be working in the field and want further training for career advancement. Other participants may have no experience in accounting and want to explore this field for a career change.

## Endorsement Requirements

Requirement		Hours
Minimum Credit Hours		15
Code	Title	Credits
ACCT S201	Principles of Financial Accounting <sup>1</sup>	3

ACCT S202	Principles of Managerial Accounting <sup>2</sup>	3
ACCT S311	Intermediate Accounting I	3
ACCT S312	Intermediate Accounting II	3
Select one of the following:		3
ACCT S310	Income Tax for Individuals	
ACCT S316	Accounting Information Systems	
ACCT S342	Advanced Managerial Cost	
ACCT S379	Fund and Governmental Accounting	
ACCT S452	Auditing	
ACCT S454	Fraud and Forensic Examination	
Other advisor approved upper level accounting class		
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> ACCT S121 and ACCT S122 will meet ACCT S201 requirement.

<sup>2</sup> Prerequisite MATH S055 or instructor permission.

## Alaskan Aquaculture O.E.

### Sitka, e-Learning

This occupational endorsement provides training for students interested in careers in aquaculture. Courses introduce students to the fundamentals of marine aquaculture and provide knowledge and applied training on rearing salmon and other marine organisms. The knowledge and skills learned in this program are essential to workforce development in the aquaculture sector. Emphasis options include either Fisheries Emphasis or Vessel Operator Emphasis.

This occupational endorsement provides training for students interested in careers in aquaculture. Courses introduce students to the fundamentals of marine aquaculture and provide knowledge and applied training on rearing salmon and other marine organisms. The knowledge and skills learned in this program are essential to workforce development in the aquaculture sector.

## Fisheries Emphasis

The Fisheries Emphasis of the Alaskan Aquaculture Occupational Endorsement will focus on broad issues of aquaculture and Alaskan Fisheries. The Fisheries Emphasis can be completed 100% distance.

Requirement		Hours
Minimum Credit Hours		13
Code	Title	Credits
FT S120	Fisheries of Alaska	3
FT S122	Alaska Salmon Culture I	3
FT S222	Alaska Salmon Culture II	3
FT S223	Alaskan Aquaculture Lab	1
or FT S291	Fisheries Technology Internship	
FT S274	Fish Biology	3
<b>Total Credits</b>		<b>13</b>

## Vessel Operator Emphasis

The Vessel Operator Emphasis of the Alaskan Aquaculture Occupational Endorsement will focus on hands-on application of small vessel operations. The Vessel Operator Emphasis must be completed locally in Sitka or Ketchikan.

Requirement		Hours
Minimum Credit Hours		13
Code	Title	Credits
FT S122	Alaska Salmon Culture I	3
FT S150	Cold Water Survival	1
FT S222	Alaska Salmon Culture II	3
FT S223	Alaskan Aquaculture Lab	1
FT S291	Fisheries Technology Internship	3
MTR S119	Small Vessel Operator	1
MTR S120	Outboard Motor Maintenance	1
<b>Total Credits</b>		<b>13</b>

## Behavioral Health Assistant O.E.

### Juneau, Ketchikan, Sitka

This endorsement provides entry-level training and education for students preparing for careers as behavioral health workers and community pathfinders in rural communities, private health care sectors, and human service organizations. Students completing this endorsement will be able to screen for and develop an appropriate entry-level plan for mental illness and substance abuse disorders that utilizes client input, community stakeholders, and national resources.

Requirement		Hours
Minimum Credit Hours		9
Code	Title	Credits
HUMS S101	Introduction to Behavioral Health Practices	3
HUMS S135	Beginning Therapeutic Interventions	3
HUMS S180	Introduction to Addiction, Trauma, and Crises	3
<b>Total Credits</b>		<b>9</b>

## Certified Nurse Aide Training O.E.

### Juneau, Ketchikan, Sitka

The occupational endorsement in Certified Nurse Aide Training provides education and training to students in both theory and basic nursing skills necessary to become efficient, productive members of a healthcare team. Students must successfully pass the didactic portion of the coursework with 75% (C) or higher and pass the skills/clinical training with 100% in order to qualify to sit for the Alaska State Nurse Aide certification exam. A minimum of 60 hours of lecture and 80 hours of skills and clinical training are required.

Requirement		Hours
Minimum Credit Hours		9
Code	Title	Credits
HS S105	Certified Nurse Aide Training	9
Total Credits		9

## Computer Aided Drafting Technician O.E.

### Juneau

Courses combine the technical information and hands-on experience necessary for work in a variety of drafting fields. Students gain hands-on training in computer aided drafting using current software appropriate for job placement as an entry-level drafting technician.

### Endorsement Requirements

Requirement		Hours
Minimum Credit Hours		9
Code	Title	Credits
CT S175	Introduction to AutoCAD	3
CT S181	Intermediate AutoCAD	3
CT S291A	Construction Technology Drafting Internship	3-6

## Fisheries Management O.E.

### Sitka, e-Learning

This occupational endorsement provides lecture and training for students entering into fisheries management occupations. Courses introduce students to subjects spanning international and local fisheries management doctrine, fisheries law, fisheries economics and fisheries biology. The knowledge learned in this program will provide students with a base of knowledge to work in state or federal fisheries management. Emphasis options include either Fisheries Emphasis or Vessel Operator Emphasis.

This occupational endorsement provides lecture and training for students entering into fisheries management occupations. Courses introduce students to subjects spanning international and local fisheries management doctrine, fisheries law, fisheries economics and fisheries biology. The knowledge learned in this program will provide students with a base of knowledge to work in state or federal fisheries management.

## Fisheries Emphasis

The Fisheries Emphasis of the Fisheries Management Occupational Endorsement will focus on broad issues of Alaskan Fisheries and has the potential to be taken 100% distance.

Requirement	Hours
Minimum Credit Hours	13

Code	Title	Credits
FT S120	Fisheries of Alaska	3
FT S211	Fisheries Management Techniques	3
FT S212	Fisheries Management Techniques Lab	1
or FT S291	Fisheries Technology Internship	
FT S272	Fisheries Management, Law and Economics	3
FT S274	Fish Biology	3
Total Credits		13

## Vessel Operator Emphasis

The Vessel Operator Emphasis of the Fisheries Management Occupational Endorsement will focus on hands-on application of small vessel operations. The Vessel Operator Emphasis must be completed locally in Sitka or Ketchikan.

Requirement		Hours
Minimum Credit Hours		13
Code	Title	Credits
FT S194	Fisheries Policy Practicum	1
FT S150	Cold Water Survival	1
FT S211	Fisheries Management Techniques	3
FT S212	Fisheries Management Techniques Lab	1
FT S272	Fisheries Management, Law and Economics	3
FT S291	Fisheries Technology Internship	2
MTR S119	Small Vessel Operator	1
MTR S120	Outboard Motor Maintenance	1
Total Credits		13

## Healthcare Information Technology O.E.

### Sitka, e-Learning

This occupational endorsement provides training for healthcare workers in the use of health information technology. Courses introduce the student to the fundamentals of electronic health records including privacy and security of Protected Health Information (PHI).

Requirement		Hours
Minimum Credit Hours		15
Code	Title	Credits
HIM S101	Introduction to Health Information Management I	3
HIM S102	Introduction to Health Information Management II	3
HIM S181	Introduction to Healthcare Systems	3
HIM S285	Healthcare Privacy and Security	3

HIM S289	Healthcare Information Technology	3
<b>Total Credits</b>		<b>15</b>

## Law Enforcement O.E.

### Sitka

The law enforcement program is a full-time, rigorous and highly structured program offered in cooperation with the Alaska Department of Public Safety Training Academy. The program is a pre-employment curriculum comparable to training offered in municipal police officer training academies. The program is also recognized by the National Park Service as meeting training requirements for seasonal law enforcement officers.

## Admission Requirements

Students must meet all criteria established for admission to the Academy and the University of Alaska Southeast, and must abide by Academy rules and regulations. Students are required to reside at the Academy while completing the 16 credit Justice course requirement. No portion of the Justice course work may be transferred from another institution.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>16</b>
Code	Title	Credits
JUST S102	Fundamentals of CPR and First Aid	1
JUST S103	Law Enforcement Procedures	4
JUST S104	Ethics and Conduct	1
JUST S105	Traffic Law and Enforcement	4
JUST S106	Enforcement Techniques	3
JUST S107	Criminal Justice	3
<b>Total Credits</b>		<b>16</b>

## Marine Transportation O.E.

### Ketchikan

The Marine Transportation Occupational Endorsement provides training for mariners to advance in the wide variety of positions and vessels in the marine industry. The courses and instructors are US Coast Guard approved for testing in class.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>9</b>
Code	Title	Credits
Select nine advisor approved credits from the following (at least one course must be 200-level):		
MTR S120	Outboard Motor Maintenance	
MTR S122	Diesel Engine Maintenance	
MTR S129	Basic Training <sup>1</sup>	
MTR S220	Proficiency in Survival Craft <sup>1</sup>	
MTR S225	Able Seaman <sup>2</sup>	
MTR S226	Ratings Forming Part of a Navigation Watch (RFPNW) <sup>1</sup>	

MTR S228	Fast Rescue Boat (FRB) <sup>1</sup>	
MTR S239	Master 100 Ton and Operator of Uninspected Passenger Vessel <sup>2</sup>	
MTR S240	Master 200 Ton Upgrade <sup>2</sup>	
MTR S241	Towing Apprentice Mate (Steersman) Upgrade	
MTR S242	Advanced Fire Fighting <sup>1</sup>	
MTR S244	Crisis Management and Human Behavior	
MTR S250	Radar Observer <sup>1</sup>	
MTR S252	Automatic Radar Plotting Aids (ARPA)	
MTR S254	Electronic Chart Display Information Systems (ECDIS)	
Total Credits		9

<sup>1</sup> USCG Approved to meet the requirements of the international convention on Standards of Training, Certification and Watchkeeping (STCW) 95 for Seafarers.

<sup>2</sup> USCG Approved for testing in class

## Maritime & Multi Skilled Worker O.E.

### Ketchikan

The Maritime & Multi Skilled Worker (M&MSW) program provides training in basic maritime and industrial skills. The Occupational Endorsement emphasizes the student's preparation as an entry level worker with recognized industrial skills. The M&MSW program is a United States Coast Guard approved QMED (Qualified Member of Engine Department) Oiler class. Successful completion of the program, along with accruing necessary seetime, permits the issuance of a USCG QMED Oiler credential without any further testing.

## Maritime & Multi Skilled Worker

This course of study is for individuals who desire to pursue a career emphasizing vessel and industrial operating systems, vessel and industrial maintenance and machinery repair.

## Endorsement Requirements

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>20</b>
Code	Title	Credits
DESL S110	Diesel Engines	6
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
MTR S129	Basic Training	2
MTR S181	Marine Electrical Systems	3
MTR S182	Naval Architecture and Engineering Systems	1
WELD S120	Basic Welding	3
<b>Total Credits</b>		<b>20</b>

# Northwest Coast Art O.E.

## Juneau

Options include weaving, basketry and carving. Please note that only courses taken at the **400 level are repeatable** for academic credit. Check the course descriptions (p. 136) for more information.

Requirement	Hours
Minimum Credit Hours	20
Major Requirements	5
Emphasis Area	15

Code	Title	Credits
Major Requirements		
Select all of the following (minimum 5 credits):		5
ART S181	Beginning Northwest Coast Design	
ART S263	Northwest Coast Native Art History & Culture	
ART S497	IS: (Independent Study)	
Emphasis Area		
Select one of the following emphases:		15
Basketry Emphasis		
Carving Emphasis		
Weaving Emphasis		
Total Credits		20

## Basketry Emphasis

Code	Title	Credits
Select 15 credits of the following:		15
ART S138	Natural Dye	
ART S183	Harvest and Preparation of Basket Materials	
ART S282	Beginning Northwest Coast Basketry	
ART S284	Northwest Coast Basket Design	
ART S382	Intermediate Northwest Coast Basketry	
ART S482	Advanced Northwest Coast Basketry	
And other approved basketry courses. Only the courses at the 400 level may be repeated for credit.		
Total Credits		15

## Carving Emphasis

Code	Title	Credits
Select 15 credits of the following:		15
ART S189	Northwest Coast Tool Making	
ART S285	Beginning Northwest Coast Carving	
ART S385	Intermediate Northwest Coast Carving	

ART S485	Advanced Northwest Coast Carving	
And other approved carving courses. Only the courses at the 400 level may be repeated for credit.		
Total Credits		15

## Weaving Emphasis

Code	Title	Credits
Select 15 credits of the following:		15
ART S116	Fiber Arts-Spinning	
ART S138	Natural Dye	
ART S286	Beginning Northwest Coast Woolen Weaving	
ART S386	Intermediate Northwest Coast Woolen Weaving	
ART S486	Advanced Northwest Coast Woolen Weaving	
And other approved weaving courses. Only the courses at the 400 level may be repeated for credit.		
Total Credits		15

# Power Technology O.E.

## Juneau

Options include Diesel/Heavy Duty, Diesel/Marine, Fixed Plant and Mine Mechanic. Each provides technical courses in the appropriate specialty. Students must earn a 2.00 GPA in the overall program. These occupational endorsements articulate with the A.A.S. in Power Technology.

The Fixed Plant Mechanic Occupational Endorsement prepares the student to enter into the stationary mechanic industry as an entry level fixed plant mechanic. The program includes classroom and hands-on training on the following mechanical systems: lubrication, preventive maintenance inspections, diesel engines, hydraulics, welding, blue print reading, precision measuring tools, rigging, conveyor belts and shaft alignment.

The Mine Mechanic Occupational Endorsement prepares the student to enter into the mining industry as an entry level diesel machinery mechanic. The program includes classroom and hands-on training on diesel engines and related mechanical systems including engines, transmissions, brakes, hydraulics, DC electrical, suspension, and air conditioning. Diesel powered pickups, welding, preventive maintenance and inspections are also included.

**Introduction to Mining Occupations and Operations** and the **Hecla Greens Creek Mine Academy** or Department approval is recommended. Minimum grade of C or better 2.00 is required in all (each) of the classes to obtain the Mine Mechanic O.E.

## Diesel/Heavy Duty Emphasis

Requirement		Hours
Minimum Credit Hours		29
Code	Title	Credits
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S110	Diesel Engines	6
DESL S121	Basic Electrical Systems	3
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
DESL S180	AC Power Generation	3
DESL S250	Heavy Duty Brakes and CDL Preparation	2
DESL S255	Heavy Duty Suspension and Alignment	2
DESL S260	Heavy Duty Power Trains	3
WELD S120	Basic Welding	3
Total Credits		29

## Diesel/Marine Emphasis

Requirement		Hours
Minimum Credit Hours		28
Code	Title	Credits
DESL S110	Diesel Engines	6
DESL S121	Basic Electrical Systems	3
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
DESL S180	AC Power Generation	3
DESL S261	Marine Auxiliary Systems	3
DESL S262	Marine Auxiliary Systems Lab	2
DESL S263	Marine Transmissions	3
WELD S120	Basic Welding	3
Total Credits		28

## Fixed Plant Mechanic Emphasis

Requirement		Hours
Minimum Credit Hours		27
Code	Title	Credits
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S110	Diesel Engines	6
DESL S125	Basic Hydraulics	3
DESL S140	Construction Drawing Interpretation	3
DESL S141	Precision Measuring Tools	2
DESL S142	Piping Systems	3
DESL S143	Industrial Rigging Principles	2
DESL S144	Conveyor and Drive Systems	3

WELD S120	Basic Welding	3
Total Credits		27

## Mine Mechanic Emphasis

Requirement		Hours
Minimum Credit Hours		29
Code	Title	Credits
DESL S102	Lubrication, Preventative Maintenance, and Inspections	2
DESL S110	Diesel Engines	6
DESL S121	Basic Electrical Systems	3
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
DESL S225	Advanced Hydraulics	3
DESL S250	Heavy Duty Brakes and CDL Preparation	2
DESL S255	Heavy Duty Suspension and Alignment	2
DESL S260	Heavy Duty Power Trains	3
WELD S120	Basic Welding	3
Total Credits		29

## Residential/Light Construction O.E.

Juneau, Sitka

### Residential/Light Construction

A general overview of the construction industry, providing skill development opportunities in Residential/ Light Construction. Students will work with hand and power tools; learn application of interior and exterior materials and develop safe working practices. The endorsement is articulated with the A.A.S. degree in Construction Technology.

## Construction Technology (J, S)

Requirement		Hours
Minimum Credit Hours		12
Code	Title	Credits
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety: OSHA 10-Hour Certification	1
CT S201	Cold Climate Construction	3
CT S212	Interior Finish Carpentry	1
CT S212L	Interior Finish Carpentry Lab	2
CT S214	Exterior Finish Carpentry	1
CT S214L	Exterior Finish Carpentry Lab	2
Total Credits		12

## Exterior Finishes (J)

### Endorsement Requirements

Requirement		Hours
Minimum Credit Hours		10
Code	Title	Credits
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety: OSHA 10-Hour Certification	1
CT S121	Light Wood Frame Construction	1
CT S201	Cold Climate Construction	3
CT S214	Exterior Finish Carpentry	1
CT S214L	Exterior Finish Carpentry Lab	2
Total Credits		10

## Framing (J)

### Endorsement Requirements

Requirement		Hours
Minimum Credit Hours		10
Code	Title	Credits
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety: OSHA 10-Hour Certification	1
CT S121	Light Wood Frame Construction	1
CT S121L	Light Wood Frame Construction Lab	2
CT S127	Introduction to Residential Foundations	1
CT S201	Cold Climate Construction	3
Total Credits		10

## Interior Finishes (J)

### Endorsement Requirements

Requirement		Hours
Minimum Credit Hours		13
Code	Title	Credits
CT S100	Woodworking I	3
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety: OSHA 10-Hour Certification	1
CT S125	Introduction to Drywall	2

CT S212	Interior Finish Carpentry	1
CT S212L	Interior Finish Carpentry Lab	2
CT S260	Cabinet Construction	2
Total Credits		13

## Scientific Diving O.E.

### Sitka

This occupational endorsement provides training for students interested in planning and performing scientific diving as part of university or government research. Courses in this OE take students from being non-divers through Open Water, Dry Suit, Rescue and Research certifications. Students are also introduced to the skiff operations, outboard maintenance and cold water survival. At the completion of this OE, students will receive no less than 10 professional certifications and will have completed no less than 30 Alaska SCUBA dives.

This occupational endorsement provides training for students interested in planning and performing scientific diving as part of university or government research. Courses in this OE take students from being non-divers through Open Water, Dry Suit, Rescue and Research certifications. Students are also introduced to the skiff operations, outboard maintenance and cold water survival. At the completion of this OE, students will receive no less than 10 professional certifications and will have completed no less than 30 Alaska SCUBA dives.

Requirement		Hours
Minimum Credit Hours		13
Code	Title	Credits
FT S150	Cold Water Survival	1
FT S188	Basic Scuba Diving	3
FT S189	Advanced Scuba Diving	1
FT S288	Scientific Diving	3
FT S291	Fisheries Technology Internship	3
MTR S119	Small Vessel Operator	1
MTR S120	Outboard Motor Maintenance	1
Total Credits		13

## Welding O.E.

### Juneau, Ketchikan, Sitka

The general Welding Occupational Endorsement allows students to learn a variety of welding techniques.

## General Welding

Requirement		Hours
Minimum Credit Hours		9
Code	Title	Credits
WELD S120	Basic Welding	3
WELD S152	Intermediate Welding	3

WELD S175	Selected Topics in Advanced Welding	3
<b>Total Credits</b>		<b>9</b>

## Undergraduate Minor Options

The same discipline may not be used to satisfy the major and the minor (i.e. English major and English minor does not make a degree.) If a course is a requirement of both the major and the minor, a student may use the course to meet both requirements but will not receive double credit.

UAS has minors to complement our bachelor degrees. Please refer to the section on minors in this catalog. Requirements may differ slightly among minors; however, each has a minimum of 15 or more credits.

**Resident Credit Requirement:** 6 semester credits

### Minors Available:

- Alaska Native Studies (p. 129)
- Anthropology (p. 130)
- Biology (p. 130)
- Business (p. 130)<sup>1</sup>
- Construction Technology (p. 130)
- Creative Writing (p. 131)<sup>1</sup>
- English Literature (p. 131)
- Environmental Science (p. 131)
- History (p. 131)
- Information Systems Minor (p. 132)
- Marine Transportation (p. 132)
- Mathematical Sciences (p. 132)
- Northwest Coast Art (p. 133)
- Outdoor and Adventure Studies (p. 133)
- Pathways to Teaching (p. 134)<sup>1</sup>
- Philosophy (p. 134)
- Spanish (p. 134)
- Tlingit Language (p. 135)

<sup>1</sup> available via e-Learning

## Alaska Native Studies Minor

The Alaska Native studies program offers the student the opportunity to explore an interdisciplinary curriculum in Alaska Native cultures, history, and perspectives. The program provides critical understanding and insights to students who anticipate professional involvement in Alaska Native rural and urban communities.

<b>Requirement</b>	<b>Hours</b>
<b>Minimum Credit Hours</b>	<b>18</b>

**Students may only count a maximum of six credits in one topic area. Courses taken as foundations may not be counted as electives.**

Code	Title	Credits
Select two of the following:		6
ANS S460	ANCSA and Tribal Governance	
ANTH S200	Alaska Native Cultures	
ANTH S225	Artistic Expressions and Oral Narratives of Alaska Natives	
ANTH S475	Alaska Native Social Change	
ART S263	*Northwest Coast Native Art History & Culture	
Select twelve credits of the following: <sup>1</sup>		12
<b>Language Skills</b>		
AKL S101	Haida I	
AKL S103	Tlingit I	
AKL S105	*Beginning Tlingit I	
AKL S106	*Beginning Tlingit II	
AKL S205	*Intermediate Tlingit I	
AKL S206	*Intermediate Tlingit II	
AKL S207	*Intermediate Haida I	
AKL S208	*Intermediate Haida II	
AKL S305	Advanced Tlingit I	
AKL S306	Advanced Tlingit II	
AKL S307	Advanced Haida I	
AKL S308	Advanced Haida II	
<b>Humanities Skills</b>		
ART S180/S280/S380/S480	Northwest Coast Art: Selected Topics	
ART S181/S281/S381	*Beginning Northwest Coast Indigenous Design	
ART S183	Harvest and Preparation of Basket Materials	
ART S189	Northwest Coast Tool Making	
ART S263	*Northwest Coast Native Art History & Culture	
ART S282/S382/S482	Beginning Northwest Coast Basketry	
ART S284	Northwest Coast Basket Design	
ART S285/S385/S485	Beginning Northwest Coast Carving	
ART S286/S386/S486	Beginning Northwest Coast Woolen Weaving	
ENGL S365	Literature of Alaska: Native and Non-Native Perspectives	
HIST S341	History of Alaska	
<b>Social Science Skills</b>		
ANS S460	ANCSA and Tribal Governance	
ANTH S200	Alaska Native Cultures	
ANTH S225	Artistic Expressions and Oral Narratives of Alaska Natives	
ANTH S312	Humans and the Environment	
ANTH S335	Native North Americans	
ANTH S342	Arctic Anthropology	
ANTH S475	Alaska Native Social Change	
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> Additional courses can be approved by the BLA Alaska Native Studies faculty advisor. These courses may be from other disciplines, but have Alaska Native themes or issues as a primary component of the class.

## Anthropology Minor

The minor in anthropology provides students with knowledge and understanding about cultures around the world and how social organization, kinship, religion, politics, economics, and technology impacts how individuals, communities, and societies interact. Students will study methods, theories, concepts, ideas, and application of the discipline of anthropology. The minor integrates University and social science competencies into the program.

Requirement		Hours
Minimum Credit Hours		18
Code	Title	Credits
ANTH S202	Cultural Anthropology	3
ANTH S205	*Biological Anthropology	3
Anthropology courses <sup>1</sup>		12
Total Credits		18

<sup>1</sup> Select twelve additional credits in Anthropology (at least six must be upper-division.)

## Biology Minor

This minor is designed to provide students with a broad introduction to the discipline of Biology as well as the opportunity for advanced study in three focus areas. This minor is not intended for students pursuing a Marine Biology or Fisheries major.

Requirement		Hours
Minimum Credit Hours		18
Code	Title	Credits
BIOL S115	*Fundamentals of Biology I	4
BIOL S116	*Fundamentals of Biology II	4
Select three of the following, including at least one 4 credit course:		10-12
BIOL S215	Introduction to Marine Biology	
BIOL S239	Introduction to Plant Biology <sup>1</sup>	
BIOL S271	Ecology <sup>1</sup>	
BIOL S310	Animal Physiology <sup>1</sup>	
BIOL S349	Biological Oceanography	
BIOL S353	Tropical Marine and Coastal Ecology	
BIOL S362	Genetics <sup>1</sup>	
BIOL S373	Conservation Biology <sup>1</sup>	
BIOL S375	Current Topics in Biology: <sup>2</sup>	
BIOL S380	Marine Ornithology and Herpetology	
BIOL S384	Marine Mammalogy <sup>1</sup>	

BIOL S396	Field Studies in Behavior and Ecology <sup>3</sup>
BIOL S405	Invertebrate Zoology <sup>1</sup>
BIOL S427	Introduction to Ichthyology <sup>1</sup>
BIOL S441	Animal Behavior <sup>1</sup>
BIOL S480	Aquatic Pollution
BIOL S481	Marine Ecology <sup>1</sup>
BIOL S482	Evolution <sup>1</sup>
BIOL S492	Biology Seminar <sup>2</sup>

<sup>1</sup> 4 credit courses  
<sup>2</sup> Can only be taken once towards Biology Minor  
<sup>3</sup> 3 credits total towards Biology Minor

## Business Minor

The required courses in the business minor are designed to provide non-business majors with a broad introduction to business disciplines, terminology, and career opportunities. Available via e-Learning.

Requirement		Hours
Minimum Credit Hours		15
Code	Title	Credits
ACCT S201	Principles of Financial Accounting	3
BA S151	Introduction to Business	3
BA S301	Principles of Management	3
BA S343	Principles of Marketing	3
Select one of the following:		3
ACCT S202	Principles of Managerial Accounting	
Advisor approved upper division accounting or business administration course		
Total Credits		15

## Construction Technology Minor

The minor in Construction Technology is designed to provide students with a broad understanding of the details and components of residential construction.

Requirement		Hours
Minimum Credit Hours		15
Code	Title	Credits
CT S102	Introduction to the Construction Trades	1
CT S103	Construction Tools and Materials	1
CT S104	Construction Safety—OSHA 10-Hour Certification	1
CT S121	Light Wood Frame Construction	1
CT S121L	Light Wood Frame Construction Lab	2
CT S175	Introduction to AutoCAD	3

CT S201	Cold Climate Construction	3
CT S227	Residential Construction Planning and Estimating	3
<b>Total Credits</b>		<b>15</b>

## Creative Writing Minor

The minor in creative writing is designed to provide students with the skills necessary to write poetry, fiction, and creative non-fiction. Students also analyze contemporary literature for technique and form. This minor will help prepare students for entrance into an M.F.A. program.

<b>Requirement</b>		<b>Hours</b>
<b>Minimum Credit Hours</b>		<b>18</b>
<b>Code</b>	<b>Title</b>	<b>Credits</b>
ENGL S261	Introduction to Creative Writing	3
ENGL S461	Advanced Creative Writing: Selected Topics <sup>1</sup>	6
Select three of the following:		9
ENGL S363	Nature Writing	
ENGL S362	Memoir Writing	
ENGL S461	Advanced Creative Writing: Selected Topics	
ENGL S491	Internship	
ENGL S499	Thesis	
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> Two classes are required for a total of 6 credits.

## English Literature Minor

The minor in English Literature is designed to provide students with a broad overview of English and American literature as well as to enhance their reading, speaking, research, writing and critical thinking skills.

<b>Requirement</b>		<b>Hours</b>
<b>Minimum Credit Hours</b>		<b>15</b>
<b>Code</b>	<b>Title</b>	<b>Credits</b>
ENGL S200	*World Literature	3
ENGL S215	*Introduction to Literary Study	3
ENGL S217	*Introduction to Film Studies	3
ENGL S226	*Survey of American Literature 1800-Present	3
ENGL S311	The Art of the Essay	3
<b>Total Credits</b>		<b>15</b>

## Environmental Science Minor

This minor is designed to introduce students to disciplines in the physical sciences and provides the opportunity for advanced study in Environmental Science.

<b>Requirement</b>		<b>Hours</b>
<b>Minimum Credit Hours</b>		<b>18</b>

<b>Code</b>	<b>Title</b>	<b>Credits</b>
ENVS S102	*Earth and Environment	4
Select one of the following:		4
CHEM S105 & S105L	*General Chemistry I and General Chemistry I Laboratory	
GEOL S104	*Physical Geology	
PHYS S123	*College Physics I	
PHYS S211	*General Physics I	
Select 10 credits of the following: <sup>1</sup>		10
CHEM S321	Organic Chemistry I	
CHEM S350	Environmental Chemistry	
ENVI S313	Sustainable Resource Management	
ENVI S350	Interdisciplinary Perspectives on Climate Change	
ENVS S213	Natural Hazards	
ENVS S302	Glaciology	
ENVS S309	Mobile GIS Technology and Applications	
ENVS S309A	Mobile GIS Technology and Applications	
ENVS S338	Introduction to Geographic Information Systems (GIS)	
ENVS S375	Current Topics in Earth and Ecosystem Research	
ENVS S406	Remote Sensing	
ENVS S407	Snow Hydrology	
ENVS S409	GIS Jam: Projects in GIS and Remote Sensing	
ENVS S410	Advanced Geographic Information Systems	
ENVS S414	Biogeochemistry	
ENVS S416	Biogeography and Landscape Ecology	
ENVS S422	Earth's Climate System	
ENVS S430	Forest Ecosystems	
ENVS S431	Forest Field Ecology Lab	
ENVS S475	Field Studies in Environmental Science	
ENVS S498	Research in Environmental Science	
GEOL S301	Geomorphology	
GEOL S302	Hydrology	
GEOL S320	Mineral, Energy, and Renewable Resources	
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> Additional prerequisites are required for some upper division courses.

## History Minor

The minor in history provides students with a broad understanding of past cultures, social groups, political economy, nation-states, collective mentalities and civilizations.

The minor helps students develop knowledge of historical background and context that supplements their major course of study. By completing this minor, students will develop university competencies in oral and written communication, critical thinking, professional behavior, and a social sciences competency in the appreciation of cultural diversity.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>18</b>
Code	Title	Credits
HIST S492	Seminar in History: Selected Topics <sup>1</sup>	3
Select one of the following History sequences:		6
HIST S105 & HIST S106	World History I and World History II	
HIST S131 & HIST S132	History of the U.S. I and History of the U.S. II	
HIST Electives <sup>2</sup>		9
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> May be repeated for course and program credit providing course title and content are different.

<sup>2</sup> Select nine additional credits in History (at least six credits must be upper-division).

## Information Systems Minor

The Information Systems Minor provides students with the opportunity to study information systems in a variety of contexts. It includes 3 to 6 credits of coursework from outside of a traditional information systems program to allow the student to explore information systems within a context relevant to the student's major or areas of interest.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>18</b>
Code	Title	Credits
<b>Select one of the following:</b>		<b>3</b>
CIS S105	Computer Literacy	3
CIS S170	Programming Fundamentals	3
CIS S235	Spreadsheet Concepts and Applications	3
Code	Title	Credits
<b>Select 9-12 credits of the following:</b>		<b>9-12</b>
CIS S345	IT Infrastructure	3
CIS S371	Systems Analysis and Design	3
CIS S420	Information Security Management	3
CIS S430	Database Management Systems	3
Code	Title	Credits
<b>Select 3-6 credits of the following: <sup>1</sup></b>		<b>3-6</b>
ACCT S222	Computer Automated Accounting	3
ACCT S316	Accounting Information Systems	3

HIM S181	Introduction to Healthcare Systems	3
HIM S285	Healthcare Privacy and Security	3
HIM S289	Healthcare Information Technology	3
ENVS S309	Mobile GIS Technology and Applications	2
ENVS S309A	Mobile GIS Technology and Applications	1
ENVS S338	Introduction to Geographic Information Systems (GIS)	3
ENVS S410	Advanced Geographic Information Systems	3
STAT S400	Statistical Computing with R	2
LS S___ (any Library Science course)		

Or other advisor-approved information systems or technology-oriented courses.

<sup>1</sup> Credits in this section depend on the number of credits taken in the previous section. Must earn a total of 18 credits toward the minor.

## Marine Transportation Minor

The Minor in Marine Transportation will benefit students who may end up working on vessels or in the maritime industry. The courses provide a well rounded knowledge of vessel operations on small passenger vessels, charter fishing vessels, towing vessels, or small research vessels. Graduates who meet sea time and other Federal requirements are eligible to be US Coast Guard certified and licensed. MTR S228 and MTR S250 are offered only at the Ketchikan Campus.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>16</b>
Code	Title	Credits
MTR S120	Outboard Motor Maintenance	1
MTR S122	Diesel Engine Maintenance	1
MTR S129	Basic Training	2
MTR S228	Fast Rescue Boat (FRB) (Offered only in Ketchikan) <sup>1</sup>	2
MTR S239	Master 100 Ton and Operator of Uninspected Passenger Vessel	5
MTR S250	Radar Observer (Offered only in Ketchikan) <sup>1</sup>	2
Advisor approved MTR courses		3
<b>Total Credits</b>		<b>16</b>

<sup>1</sup> Advisor approved substitute may be considered

## Mathematical Sciences Minor

This minor is designed to provide students with a solid background in calculus as well as introduce them to upper division mathematics and/or statistics. This will enhance the students' competence and confidence in problem solving, critical thinking and quantitative skills.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>17</b>
Code	Title	Credits
MATH S251	Calculus I	4
MATH S252	Calculus II	4
Select three from the following (9-11 credits): <sup>1</sup>		
MATH S253	Calculus III	4
MATH S265	Introduction to Mathematical Proofs	3
MATH S302	Differential Equations	3
MATH S305	Geometry	3
MATH S314	Linear Algebra	3
MATH S401	Introduction to Real Analysis	3
MATH S405	Abstract Algebra	3
MATH S410	Complex Variables	3
MATH S411	History of Mathematics	3
MATH S460	Mathematical Modeling	3
STAT S373	Probability and Statistics	3
STAT S400	Statistical Computing with R	2
STAT S401	Regression and Analysis of Variance	4

<sup>1</sup> Additional MATH/STAT courses may be approved by the mathematics program coordinator.

## Northwest Coast Art Minor

Options include weaving, basketry, and carving. **Please note that only courses taken at the 400 level are repeatable for academic credit.** Please see course descriptions (p. 136) for more information.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>22</b>
Code	Title	Credits
Select all of the following:		5
ANTH S225	Artistic Expressions and Oral Narratives of Alaska Natives	
ART S263	Northwest Coast Native Art History & Culture	
ART S493	ST: (Portfolio Review of the best work from elective classes and an independently created piece.)	
or ART S497	IS:	
Select two credits of the following:		2
ART S181	Beginning Northwest Coast Design	
ART S281	Intermediate Northwest Coast Design	
ART S381	Advanced Northwest Coast Design	
Select 15 credits from one of the following areas:		15
<b>Weaving</b>		

ART S116	Fiber Arts-Spinning
ART S138	Natural Dye
ART S286	Beginning Northwest Coast Woolen Weaving
ART S386	Intermediate Northwest Coast Woolen Weaving
ART S486	Advanced Northwest Coast Woolen Weaving
<b>Basketry</b>	
ART S183	Harvest and Preparation of Basket Materials
ART S284	Northwest Coast Basket Design
ART S282	Beginning Northwest Coast Basketry
ART S382	Intermediate Northwest Coast Basketry
ART S482	Advanced Northwest Coast Basketry
<b>Carving</b>	
ART S189	Northwest Coast Tool Making
ART S285	Beginning Northwest Coast Carving
ART S385	Intermediate Northwest Coast Carving
ART S485	Advanced Northwest Coast Carving

Other approved elective topics in Carving and Northwest Coast Arts.

**Total Credits** **22**

## Outdoor and Adventure Studies Minor

The minor in outdoor and adventure studies focuses on the practices relating to, and the critical study of, outdoor activities. Students completing the minor will be introduced to skills and standard practices in various outdoor settings and to the study of different cultural conceptions of the relationship between humans and their environments from Alaskan and global/historical perspectives.

Enrollment in the program requires an application and acceptance. Students wishing to participate in the Minor in Outdoor and Adventure Studies can find application information on the program website.

Code	Title	Credits
<b>Requirements</b>		<b>18</b>
ODS S243	Outdoor Studies and Leadership	3
<b>ODS Courses</b>		<b>9</b>
ODS S112	Swiftwater Rescue	
ODS S114	Backpacking in Southeast Alaska	
ODS S115	Winter Backpacking in Southeast Alaska	
ODS S116	Introduction to Rock Climbing	
ODS S117	Introduction to Ice Climbing	

ODS S118	Avalanche Evaluation and Theory I
ODS S119	Introduction to Fly Fishing, Tying, and Casting
ODS S120	Wilderness First Responder
ODS S122	Wilderness First Responder Recertification
ODS S133	Introduction to Sea Kayaking
ODS S134	Introduction to Swiftwater Travel
ODS S148	Backcountry Skiing and Snowboarding
ODS S205	Backcountry Navigation
ODS S216	Rock Climbing Level II
ODS S217	Ice Climbing Level II
ODS S218	Avalanche Evaluation and Theory Level II
ODS S219	Intermediate Fly Fishing, Tying, and Casting
ODS S221	Glacier Travel and Crevasse Rescue Fundamentals
ODS S222	Mountaineering I
ODS S233	Expedition Sea Kayaking
ODS S245	Outdoor Studies Expedition I
ODS S444	Expedition Planning and Leadership
ODS S445	Outdoor Studies Expedition II: Major Expedition
<b>Additional Related Courses</b> <b>6</b>	
ANS S320	AK Native Ecological Knowledge
ENGL S303	Literature and the Environment
ENGL S363	Nature Writing
HUM S370	Sport, Leisure, and Culture
HUM S372	Salmon, Sport, and Society
PHIL S371	Perspectives on the Natural World
PS S458	Environmental Politics
ODS S372	Mountain Studies: Philosophy, Literature, and Practice
ODS S373	Ocean Studies: Images of the Environment

## Pathways to Teaching Minor

The minor in Education is designed to provide the student with understanding regarding the field of teacher education and the option for going directly into the Elementary Masters of Art in Teaching (MAT) program.

### Minor Requirements 18

Code	Title	Credits
ED S222	Orientation to the Teaching Profession	3
ED S333	The Learner and the Learning Process	3

or ED S380	Multicultural Education	
EDSE S482	Inclusive Education for Students with Disabilities	3
PSY S245	Child Development	3
or PSY S250	*Lifespan Development	
Advisor approved electives <sup>1</sup>		6

<sup>1</sup> Electives for the Pathways to Teaching minor will depend on desired graduate program pre-requisites for admissions. Contact the School of Education at 907-796-6076 or uas.education@alaska.edu for more information.

## Philosophy Minor

The minor in philosophy allows students to focus their philosophical study in order to develop their skills and achieve a deeper understanding of themselves and their world. Students completing the minor will gain a general knowledge of the history of philosophy and the major topics with which philosophers have been concerned. In addition, they will develop their skills in critical thinking, writing, and speaking.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>18</b>
Code	Title	Credits
PHIL S201	Introduction to Philosophy	3
PHIL S301	Ethics	3
Philosophy courses <sup>1</sup>		12
<b>Total Credits</b>		<b>18</b>

<sup>1</sup> nine must be Upper Division

## Spanish Minor

This minor is designed to provide students with a full grammatical understanding of the language, plus a good handle on techniques for reading and writing, in addition to good command of vocabulary and idiomatic expressions. This program will stress active speaking and comprehension.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>15</b>
Code	Title	Credits
Select a minimum of fifteen credits of the following: <sup>1</sup>		
SPAN S101	Beginning Spanish I	
SPAN S102	Beginning Spanish II	
SPAN S201	*Intermediate Spanish I	
SPAN S202	*Intermediate Spanish II	
SPAN S317	Spanish Conversation	
SPAN S318	Themes in Literature, Language, and Culture <sup>2</sup>	
Or other advisor-approved SPAN courses		
<b>Total Credits</b>		<b>15</b>

<sup>1</sup> 6 credits must be upper division

<sup>2</sup> May be repeated when content varies

## Tlingit Language Minor

The minor in Tlingit is designed to provide students with an appreciation of the unique nature of the language, and with basic ability to communicate in culturally relevant settings, read and write the standard orthography, and understand the fundamental grammatical concepts used in linguistic analysis of Tlingit.

Requirement		Hours
<b>Minimum Credit Hours</b>		<b>18</b>
Code	Title	Credits
AKL S105	*Beginning Tlingit I	4
AKL S106	*Beginning Tlingit II	4
AKL S205	*Intermediate Tlingit I	4
AKL S305	Advanced Tlingit I	3
Select one of the following (three credits minimum):		3
AKL S206	*Intermediate Tlingit II	
AKL S241	Native Oratory	
AKL S306	Advanced Tlingit II	
AKL S401	Alaska Language Apprenticeship/Mentorship	
AKL S410	Indigenous Language Curriculum Design & Instruction	
At least six credits must be upper division Tlingit language courses as appropriate.		
<b>Total Credits</b>		<b>18</b>

# COURSE DESCRIPTIONS

## Accounting (ACCT)

### ACCT S100 Recordkeeping for Small Businesses

3 credits (3+0)

Introduction to record keeping for accounting purposes for the small business entrepreneur. Course covers all monthly activities necessary to and required by government including reconciliation of bank statements, trial balances, income statements, payroll preparation and reports, employee earnings, maintaining a journal and subsidiary ledgers, and preparation of tax forms.

### ACCT S121 Introduction to Accounting I

3 credits (3+0)

Covers the fundamentals of accounting using a service business to illustrate the analysis of business transactions, journalizing, posting and preparation of trial balances and financial statements. Adjusting entries, closing procedures and payroll are introduced. ACCT S121 and S122 together will satisfy the ACCT S201 requirement.

### ACCT S122 Introduction to Accounting II

3 credits (3+0)

Continuation of fundamental accounting principles. Covers accounting for receivables, uncollectible accounts, inventories, fixed assets and intangible assets. Accounting for partnerships and an overview of corporate stock transactions are covered. Provides an introduction to cash flow statements and ratio analysis. ACCT S121 and ACCT S122 together will satisfy the ACCT S201 requirement.

**Prerequisite:** ACCT S121.

### ACCT S201 Principles of Financial Accounting

3 credits (3+0)

Introduction to accounting concepts and procedures for a business. Emphasis is on the accounting cycle and the recording, summarizing and interpretation of accounting data. This course will satisfy the requirements for both ACCT S121 and ACCT S122 in the certificate program. ACCT S121 and ACCT S122 together will substitute for ACCT S201.

### ACCT S202 Principles of Managerial Accounting

3 credits (3+0)

A continuation of elementary accounting concepts and procedures with the introduction of manufacturing operations and time value of money and cost accounting principles. Job order costing, process costing, cost-volume-profit, budgeting, and variances are introduced.

**Prerequisite:** ACCT S201 (C- 1.7 or better) and MATH S055 or higher, or instructor permission.

### ACCT S222 Computer Automated Accounting

3 credits (3+0)

Demonstrates how a computer system can be used effectively for the complete accounting cycle. Emphasis is placed on general ledger, accounts payable, accounts receivable and payroll related transactions.

**Prerequisite:** CIS S105 or CIS placement test; and one of the following ACCT S100, ACCT S121, or ACCT S201.

### ACCT S225 Payroll Accounting

3 credits (3+0)

Introduction to federal and state laws and regulations that affect payroll and employment practices. Includes topics on accounting concepts and procedures for business. Emphasis is on the accounting cycle and the recording, summarizing, and interpretation of payroll data..

**Prerequisite:** ACCT S100 or ACCT S122 or ACCT S201 (C- 1.70 or better).

### ACCT S291 Internship:

### ACCT S294 Accounting Practicum

### ACCT S310 Income Tax for Individuals

3 credits (3+0)

A study of federal income tax laws as they apply to individuals. Topics covered include sole proprietorships, property transactions, rental activities, itemized deductions, and tax credits. Emphasis is on knowledge of current tax law and preparing individual income tax returns.

**Prerequisite:** ACCT S201.

### ACCT S311 Intermediate Accounting I

3 credits (3+0)

An in-depth study of the accounting sequence, principles and rules governing financial statements. Includes discussion of cash, receivables, inventory, fixed assets and intangible assets. The time value of money as it relates to financial accounting situations will also be addressed.

**Prerequisite:** ACCT S202 (C- 1.70 or better).

### ACCT S312 Intermediate Accounting II

3 credits (3+0)

Continuation of the study of intermediate accounting including the principles governing financial reporting of liabilities, investments, deferred taxes, revenues and stockholder's equity. Preparation of the cash flow statement and disclosure information will also be addressed.

**Prerequisite:** ACCT S311 (C- 1.70 or better).

### ACCT S316 Accounting Information Systems

3 credits (3+0)

Design and analysis of accounting systems for business entities in various industries specifically adapted for data processing. Includes data processing application for internal control, payroll, accounts payable and receivable, and other accounting procedures.

**Prerequisite:** ACCT S202 (C- 1.70 or better) and three credits of CIS.

### ACCT S342 Advanced Managerial Cost

3 credits (3+0)

Emphasizes research and planning in the cost accounting field. Topics include basic concepts and terminology; cost accumulation systems including job order cost, process cost, standard costs, absorption and variable costing; variance analysis, budgeting and profit planning, flexible budgets; cost behavior determination and use of the cost-volume-profit model; and cost systems design.

**Prerequisite:** ACCT S202 (C- 1.70 or better).

**ACCT S379 Fund and Governmental Accounting**

3 credits (3 + 0)

Emphasizes accounting and reporting standards for state and local governments. Includes an in-depth discussion of fund accounting.

**Prerequisite:** ACCT S202 (C- 1.70 or better).

**ACCT S391 Internship:****ACCT S394 Practicum:****ACCT S452 Auditing**

3 credits (3+0)

Procedures for verification of financial data and the professional standards applicable to the auditor's examination of financial statements and expression of opinion relative to them.

**Prerequisite:** ACCT S312 (C- 1.70 or better).

**ACCT S454 Fraud and Forensic Examination**

3 credits (3+0)

Cross-listed as BA S454. Provides a broad detailed overview of the practical issues and techniques that encompass fraud investigation and examination, forensic accounting, legal and liability issues, related criminology, and ethical considerations.

**Prerequisite:** ACCT S201 or BA S325 (C- 1.70 or better).

**ACCT S491 Accounting Internship**

1-6 credits (variable)

**Prerequisite:** Instructor Approval Form required.

**ACCT S494 Accounting Practicum**

1-3 credits (variable)

Pass/Fail grading.

**Prerequisite:** Instructor Approval Form required.

## Alaska Languages (AKL)

**AKL S101 Haida I**

1 credit (1+0)

An introduction to Xaad Kíl (the Haida language). Students learn pronunciation, basic reading and writing, common greetings, and basic vocabulary for the family, food, clothing, body parts, common stories, and legends. Not applicable to General Education Requirements.

**AKL S102 Haida II**

1 credit (1+0)

Continuation of Haida I. Not applicable to General Education Requirements.

**AKL S103 Tlingit I**

1 credit (1+0)

An introduction to Lingít Yoo X'atángi (the Tlingit language). Students learn pronunciation, basic reading and writing, common greetings, and basic vocabulary for the family, food, clothing, body parts, common stories, and legends. Not applicable to General Education Requirements.

**AKL S105 \*Beginning Tlingit I**

4 credits (4+0)

GER. Lingít Yoo X'atángi is the traditional language of the Tlingit people. This course focuses on the foundations of comprehension and speaking. Introduces the sound system and alphabet of the language, and then focuses on building vocabulary and learning phrases and basic grammatical structures.

**AKL S106 \*Beginning Tlingit II**

4 credits (4+0)

GER. A continuation of AKL S105 Beginning Tlingit I. Students will improve their ability to speak and understand basic Lingít Yoo X'atángi (the Tlingit language). Focuses on grammatical structures and vocabulary building with an emphasis on the development of listening and speaking skills. .

**Prerequisite:** AKL S105 or instructor permission.

**AKL S107 \*Beginning Haida I**

4 credits (4+0)

GER. Xaad Kíl is the traditional language of the Haida people. This course focuses on the foundations of comprehension and speaking. Introduces the sound system and alphabet of the language, and then focuses on building vocabulary and learning phrases and basic grammatical structures.

**AKL S108 \*Beginning Haida II**

4 credits (4+0)

GER. A continuation of AKL 107. Students will improve their ability to speak and understand basic Haida. We will focus on four basic language skills: speaking, listening, reading, and writing. Emphasis will be on further mastery of everyday vocabulary and basic grammatical patterns.

**Prerequisite:** AKL S107 or instructor permission.

**AKL S109 \*Beginning Tsimshian I**

4 credits (4+0)

GER. Smalgyax is the traditional language of the Tsimshian people. This course focuses on the foundations of comprehension and speaking. Introduces the sound system and alphabet of the language, and then focuses on building vocabulary and learning phrases and basic grammatical structures.

**AKL S110 \*Beginning Tsimshian II**

4 credits (4+0)

GER. A continuation of AKL S109 Beginning Tsimshian I. Students will improve their ability to speak and understand basic Smalgyax. Focuses on grammatical structures and vocabulary building with an emphasis on the development of listening and speaking skills.

**Prerequisite:** AKL S109 or instructor permission.

**AKL S120 Introduction to Tlingit Reading and Writing**

3 credits (3+0)

Designed to help students learn the Tlingit alphabet, pronunciation of alphabet sounds, words, simple sentences, and common grammatical terms. Focus is on reading written Tlingit, and writing Tlingit in the standardized coastal orthography.

**AKL S205 \*Intermediate Tlingit I**

4 credits (4+0)

GER. An intermediate level continuation of the AKL S105/ AKL S106 sequence with further emphasis on development of language skills (listening, comprehension, reading, writing, speaking) and an added focus on the cultural and grammatical elements necessary to effectively communicate in Lingít Yoo X'atángi (the Tlingit language).

**Prerequisite:** AKL S106 or instructor permission.

**AKL S206 \*Intermediate Tlingit II**

4 credits (4+0)

GER. A continuation of AKL S205 with further development of grammatical skills, vocabulary, orthography, tonality and cultural elements unique to Lingít Yoo X'atángi (the Tlingit language).

**Prerequisite:** AKL S205 or instructor permission.

**AKL S207 \*Intermediate Haida I**

4 credits (4+0)

GER. An intermediate level continuation of the AKL S107/ AKL S108 sequence with further emphasis on development of language skills (listening, comprehension, reading, writing, speaking) and an added focus on the cultural and grammatical elements necessary to effectively communicate in X̱aad Kíl (the Haida language).

**Prerequisite:** AKL S108.

**AKL S208 \*Intermediate Haida II**

4 credits (4+0)

GER. A continuation of AKL S207 with further development of grammatical skills, vocabulary, orthography, tonality and cultural elements unique to X̱aad Kíl (the Haida language).

**Prerequisite:** AKL S207.

**AKL S209 \*Intermediate Tsimshian I**

GER. An intermediate level continuation of AKL S109/ AKL S110 sequence with further emphasis on development of language skills (listening, comprehension, reading, writing, speaking)

**Prerequisite:** AKL S110 or instructor permission.

**AKL S210 \*Intermediate Tsimshian II**

GER. A continuation of AKL S209 with further development of grammatical skills, vocabulary, orthography, tonality and cultural elements unique to Sm'alg̱yax (the Tsimshian language)

**Prerequisite:** AKL S209 or instructor permission.

**AKL S241 Native Oratory**

3 credit (3+0)

Students will work with a mentor in Lingít Yoo X̱'atángi (the Tlingit language), X̱aad Kíl (the Haida language), or Sm̱alg̱yax (the Tsimshian language) to prepare for public speaking in a variety of settings. Students will also study principles of Indigenous oral literatures, performances, and cultural delivery of speech acts. Students will have opportunities to practice their speech acts and then perform them in an Indigenous oratory event. May be repeated for up to 6 credits.

**AKL S290 Indigenous Language Revitalization**

3 credits (3+0)

Explores the factors involved in Indigenous language revitalization movements, with a close examination of terminology, trends in social linguistics, and language revitalization activities among world leaders. Students will gain a stronger understanding of the processes involved in language policy, planning, and advocacy, and will gain exposure to effective methods that have reversed language shift among the Hawaiian, Maori, Sami, and Mohawk peoples.

**AKL S305 Advanced Tlingit I**

3 credits (3+0)

An advanced level continuation of the AKL S205/AKL S206 sequence in an environment that immerses students in Lingít Yoo X̱'atángi (the Tlingit language). Grammatical and logical concepts will be reinforced through listening and speech activities involving fluent speakers.

**Prerequisite:** AKL S206 or instructor permission.

**AKL S306 Advanced Tlingit II**

3 credits (3+0)

A continuation of AKL S305 with further development of speech skills in Lingít Yoo X̱'atángi (the Tlingit language) through repetition, drills, activities, and interactions with fluent speakers in immersion environments.

**Prerequisite:** AKL S305 or instructor permission.

**AKL S307 Advanced Haida I**

3 credits (3+0)

An advanced level continuation of the AKL S207/AKL S208 sequence in an environment that immerses students in X̱aad Kíl (the Haida language). Grammatical and logical concepts will be reinforced through listening and speech activities involving fluent speakers.

**Prerequisite:** AKL S208 or instructor permission.

**AKL S308 Advanced Haida II**

3 credits (3+0)

A continuation of AKL S307 with further development of speech skills in X̱aad Kíl (the Haida language) through repetition, drills, activities, and interactions with fluent speakers in immersion environments.

**Prerequisite:** AKL S307.

**AKL S309 Advanced Tsimshian I**

3 credits (3+0)

An advanced level continuation of AKL S209/ AKL S210 sequence with further emphasis on development of language skills (listening, comprehension, reading, writing, speaking) and an added emphasis on language use in multiple domains.

**Prerequisite:** AKL S210 or instructor permission.

**AKL S310 Advanced Tsimshian II**

3 credits (3+0)

A continuation of AKL S309 with further development of conversational skills, vocabulary, oratory, and cultural elements unique to Sm̱alg̱yax (the Tsimshian language).

**Prerequisite:** AKL S309 or instructor permission.

**AKL S350 Tlingit Oral Literature**

3 credits (3+0)

Examines language and cultural concepts within Tlingit oral literature. Class will be conducted primarily in Lingít Yoo X̱'atángi (the Tlingit language) and will familiarize students with how the language functions in oral history, storytelling, and ceremonial speeches.

**Prerequisite:** AKL S206 or instructor permission.

**AKL S371 Foundations of Indigenous Language Education**

3 credits (3+0)

An intensive study of Indigenous language education programs with a focus on language medium schools and dual language programs. This course builds upon a combination of readings and group discussions to cover introductory content, followed by seminars with teachers and administrators from effective Indigenous language schools and programs.

**AKL S375 Selected Topics in Alaska Languages****AKL S391 Internship:****AKL S394 Practicum****AKL S401 Alaska Language Apprenticeship/Mentorship**

3 credits (1+0+8)

Structured study of an Alaska Native language. Student works intensively with a mentor fluent in the target language. Selection of mentor requires instructor approval. Attend weekly class with instructor and meet regularly with mentor for a minimum of 7 hours per week. Course may be repeated for a total of 12 credits.

**Prerequisite:** Instructor permission.

**AKL S410 Indigenous Language Curriculum Design & Instruction**

3 credits (3+0)

Students will examine curriculum planning, development, implementation, and assessment, and will also explore curriculum design methods that are conscious of appearance, orthographies, accessibility, and longevity. Students will develop and test Indigenous language curricula in a supportive environment, and will give and receive feedback on their curriculum development and implementation.

**AKL S415 Indigenous Language Instructional Strategies**

3 credits (3+0)

An overview of Indigenous language instruction pedagogical methods for community learning, immersion gatherings, and for classrooms at a wide variety of ages and language levels. Students will examine methods of delivery and will engage in discourse on which methods are well-suited to particular environments, learnings styles, and age ranges.

**AKL S460 Indigenous Language Field Methods**

3 credits (3+0)

Covers topics surrounding Indigenous language use, teaching, documentation, and research. Focus is on language revitalization movements that have been successful in reversing language shift and how they interact with the field of linguistics. Students will discuss ethical research perspectives through a decolonial lens that seeks to empower language communities and contribute directly to protecting existing speakers, increasing the number of new speakers, and ensuring that Indigenous languages are the languages of power and use.

**AKL S471 Indigenous Language Teacher Apprenticeship**

3 credits (1+0+8)

Students are paired with an Alaska Native language teaching mentor to observe materials development, lesson planning, teaching, assessment, and classroom management in the context of teaching Indigenous languages. Expected work from the student may vary depending on the teaching situation. Supervised by faculty member and classroom teacher.

**Prerequisite:** AKL S371 or AKL S415 or instructor permission.

**AKL S490 Practicum in Indigenous Language Education**

3 credits (1+0+8)

Practicum in an Indigenous Language school classroom or language program. Students will work independently in a language program under the guidance of a faculty member and classroom teacher or language program employee. This may include language teaching, program administration, language archiving and access, and community language activities.

**Prerequisite:** AKL S471 or instructor permission.

**AKL S491 Internship:****Alaska Native Studies (ANS)****ANS S101 \*Introduction to Alaska Native Studies**

3 credits (3+0)

GER. Course focus is on learning how to listen to indigenous voices. Students will learn about Alaska Native languages, cultures, histories, oratory, and philosophies. Students will discuss cultural groupings, current political and social issues, and the history of Alaska Native people. Emphasis will be placed on how Natives relate to the land, each other, religions, and state and federal governments. Covers major political landmarks, cultural language revitalizations, and the recent histories of ANCSA, subsistence, self-governance, and racism towards Alaska Native people.

**ANS S193 ST:****ANS S240 Indigenous Oral Literature**

3 credits (3+0)

This course examines Indigenous oral literature, with particular attention paid to Alaska Native oral literature and the historical and current methods of documenting and utilizing that content. Students will engage in translated oral texts and will discuss the incorporation of this material into fine arts, public education, and literary collections.

**ANS S260 Alaska Native Organizations and Economies**

3 credits (3+0)

This course examines the complexities of Alaska Native organizations and economies, including a history of their formation and both historical and current trends in economies and methods of acquiring and distributing resources. Students will develop an understanding of the relationship between Tribes, Non-Profits, ANCSA based organization, consortia, and more. ANS S101 is recommended but not required.

**ANS S320 AK Native Ecological Knowledge**

3 credits (3+0)

Examines the relationship of Alaska Native people and the world around them during the seasonal life cycles. Information covered in class will be combined with research and developed into a series of individual presentations, as well as journeys onto the land, and final group presentations. May be repeated for up to a total of 6 credits.

**ANS S360 Introduction to Federal Indian Law**

3 credits (3+0)

An introduction to Federal Indian Law from an Indigenous post-colonial perspective, with particular attention paid to colonial legal theories based upon racial and cultural superiority. Covers major federal laws, treaties, and court rulings that allowed for the development of the United States at the expense of Tribal land holdings, sovereignty, and rights to self-determination. ANS S101 is recommended but not required.

**ANS S365 Indigenous Social Movements**

3 credits (3+0)

Examines the formation of Indigenous social uprisings in North America, including relationships with Indigenous social movements in other colonized parts of the world. Examines methodologies of resistance and outreach developed and employed by Indigenous populations that have allowed them to survive centuries of genocide that then transformed to targeted and coordinated cultural and linguistic oppression. ANS S101 is recommended but not required.

**ANS S391 Internship****ANS S460 ANCSA and Tribal Governance**

3 credits (3+0)

Examines the complex history, implementation, and effects of the Alaska Native Claims Settlement Act (ANCSA) - the largest land claims settlement in United States history. From early land claim efforts to the current state of Alaska Native corporations, tribes, subsidiaries and consortia, this class explores the interconnected web of modern Alaska Native organizations and how they are impacted by and influence federal, state, and Indian law in the United States and Alaska.

**Prerequisite:** ANS S101 or PS S101 or PS S102, or instructor permission.

**ANS S491 Internship****ANS S492A Alaska Native Studies Internship Seminar**

3 credits (3+0)

This academic portion of the Alaska Native Studies internship program provides a pre-orientation to the practical workings of the legislature and state government with special attention paid to issues and dynamics of interest to the Alaska Native community. The seminar focuses on assessing the relevance of academic literature to understanding legislative and governmental processes. Requires participation in an Alaska Native Studies internship.

**Prerequisite:** Junior standing or instructor permission.

## Alaska Studies (ALST)

**ALST S300 Alaska Studies**

3 credits (3+0)

Provides an overview of the environment and the residents, both indigenous and immigrant, of Alaska. Emphasis is given to the social, economic and political history of Alaska and the religious and educational institutions and laws that affect the people of Alaska. This course meets the state requirement for teacher certification in Alaska History/ Alaska Studies.

**ALST S600 Alaska Resources, People and Perspectives**

3 credits (3+0)

A study of the peoples of Alaska, including Alaska Natives and immigrants and their adaptations to the environment. Archaeological, historic and contemporary periods will be reviewed highlighting events and issues from a range of cultural perspectives.

**ALST S603 Alaska Literature for Young People**

3 credits (3+0)

An overview of Alaska Studies for children grades K-8. Examination and understanding of Alaska and the North. This course meets the Alaska Department of Education requirement for Alaska Studies.

## Anthropology (ANTH)

**ANTH S101 \*Introduction to Anthropology**

3 credits (3+0)

GER. An introduction to the fundamentals of the four subfields of anthropology: archaeology, cultural anthropology, biological anthropology, and anthropological linguistics. Practical applications of anthropological concepts and perspectives are emphasized. Case materials are drawn from cultures around the world.

**ANTH S200 Alaska Native Cultures**

3 credits (3+0)

An introduction to culture, history, and archaeology of Alaska Natives. Includes environmental settings, languages, socio-economic and subsistence patterns, cultural change, and contemporary issues.

**ANTH S202 \*Cultural Anthropology**

3 credits (3+0)

GER. Basic theories, methods, and concepts of cultural anthropology. Includes analysis of social, political, economic, belief and symbolic systems. Serves as a foundation for more specialized courses in cultural anthropology.

**ANTH S205 \*Biological Anthropology**

3 credits (3+0)

GER. A study of human biology including genetics, human evolution and variation, adaptations, ecology and primatology.

**ANTH S211 \*Fundamentals of Archaeology**

3 credits (3+0)

GER. Presents the history, concepts, theories and methods of archaeology. Includes analysis and interpretation of data, using field reports and problems. This course is often required for those wishing to attend field schools in archaeology.

**ANTH S216 Introduction to Linguistics**

3 credits (3+0)

Cross-listed as HUM S216. Scientific study of the structure, distribution and diversity of human language. Examines the branches of systematic linguistic analysis: phonetics, phonology, morphology, syntax; and the divisions of linguistic study such as socio- and neuro-linguistics, language acquisition; drawing examples from Alaska's and many other languages.

**ANTH S225 Artistic Expressions and Oral Narratives of Alaska Natives**

3 credits (3+0)

Comparisons and analyses of the artistic expressions of Alaskan Native cultures including oral narratives, graphic and performing arts. Discussion of the cultural milieu in which each form developed including the world views, beliefs, environment, ecology, and psychology of the peoples.

**ANTH S280 Issues in Anthropology: Selected Topics**

3 credits (3+0)

In depth exploration of a current topic in applied or theoretical anthropology. Topics may include issues of local and regional significance.

**ANTH S291 Internship****ANTH S311 Methods and Theories in Archaeology**

3 credits (3+0)

Examines the history of methods and theories in archaeology. Contemporary methods and techniques used in conducting archaeological field research will be included. Discussions and class assignments will emphasize practical applications.

**ANTH S312 Humans and the Environment**

3 credits (3+0)

Cross-listed as GEOG S312. Anthropological approaches to the relationships between socio-cultural and ecological systems. Analysis of traditional ecological knowledge, subsistence patterns, and adaptations. Intensive study of selected cases and theories.

**ANTH S314 Archaeology of Southeast Alaska**

3 credits (3+0)

Examines archaeological discoveries, including recent findings in Southeast Alaska. Archaeological theory and method will be discussed to understand and interpret field work and data. Readings, discussion, and guest lectures will focus on the pre Euro-American contact period, and the historical archaeology of various industries and commerce.

**ANTH S324 Psychological Anthropology**

3 credits (3+0)

Examination of the relationship between culture, social institutions, and psychological variables on a cross-cultural basis. Includes emphasis on cognition and socialization.

**ANTH S335 Native North Americans**

3 credits (3+0)

A study of the aboriginal peoples of North America including their prehistory, traditional cultures and adaptations to change. Discussion of current issues regarding America's indigenous peoples.

**ANTH S336 Prehistory of South America**

3 credits (3+0)

An intensive archaeological survey of prehistoric cultures of South America through Spanish contact with the Incas. Emphasis on subsistence and settlement, social organization, art, and ritual.

**ANTH S342 Arctic Anthropology**

3 credits (3+0)

A survey of the cultures of circumpolar regions from Siberia and Alaska to Canada and Greenland. Emphasis on subsistence patterns, ecology, social organization, belief systems, inter-ethnic relations, and contemporary issues.

**ANTH S348 Anthropology of Death and Burial**

3 credits (3+0)

Examines funerary rituals and beliefs about death from a cross-cultural perspective in both Western and non-Western cultures from prehistory to the present.

**ANTH S350 Ancient Civilizations**

3 credits (3+0)

Cross-listed HIST S350. Examines the origins of agriculture and animal domestication, urbanization, and the emergence of state-level societies in world regions such as Egypt, Mesopotamia, Mesoamerica, and the Andes. Topics include socio-political organization, subsistence, material culture, and religion.

**ANTH S351 Anthropology of Globalization**

3 credits (3+0)

A cross-cultural approach to the ways societies have been affected by global processes such as migration, economic development, and modernization.

**ANTH S363 Ethnohistory**

3 credits (3+0)

Examines methods, theories, and applications of the interdisciplinary approach of ethnohistory. Integrates analysis of different sources of information including oral narratives, historical narratives, archival sources, government documents, and archaeological evidence.

**ANTH S375 Area Studies: Selected Topics**

3 credits (3+0)

An overview of the social organization, culture, and archaeological record of selected areas of the world. These include the Pacific Rim, Asia, Africa, Latin America, North America and South America.

**ANTH S390 Archives and Museums Theory and Practice**

3 credits (3+0)

Cross-listed as HIST S390. Introduces students to archives and museum theory and practices for potential careers in libraries, archives, and museums. Focuses on the archival profession, with the museum profession as a secondary topic. Students prepare for potential internships at local repositories.

**Prerequisite:** WRTG S111 and upper division standing, or instructor permission.

**ANTH S391 Internship:****ANTH S400 Anthropology of Religion**

3 credits (3+0)

Descriptive and comparative study of religious phenomena in traditional and contemporary societies including myth, ritual, magic, witchcraft, and shamanism.

**ANTH S408 Ethnobiology**

3 credits (3+0)

Examines relationships between humans and the natural world cross-culturally. Focus is on how indigenous peoples perceive and interact with their ecosystems. Topics include Tlingit and Haida ethnobiology, traditional medicine, ritual and cosmology.

**ANTH S410 History of Anthropology**

3 credits (3+0)

The intellectual history of the discipline of anthropology is analyzed through the examination of ethnographic and theoretical works.

**ANTH S428 Tlingit Culture and History**

3 credits (3+0)

A study of Tlingit culture, reviewing pre Euro-American contact, social organization, and economic and religious systems. Includes a review of Russian and early American occupation of Southeast Alaska and socio-cultural changes experienced by the Tlingit.

**ANTH S430 Ethnographic Methods**

3 credits (3+0)

Different ethnographic methods will be analyzed, explored, and practiced. Individual research projects will be developed. Ethics will be discussed and students will submit their research projects for institutional review in order to understand the human subjects approval process.

**ANTH S435 Northwest Coast Cultures**

3 credits (3+0)

An intensive and comparative analysis of peoples of the Northwest Coast. Emphasizes prehistory, socio- economic and intellectual life, adaptation, and contemporary issues.

**ANTH S454 Economic Anthropology**

3 credits (3+0)

Anthropological approaches to production, distribution, and consumption of resources in human cultural systems. Preindustrial economics in relation to other cultural subsystems. Internal and external models of economic development will be examined through case studies.

**ANTH S458 Alaska Native Economic and Political Development**

3 credits (3+0)

Examines political and economic institutional development since the Alaska Native Claims Settlement Act of 1971. Assesses the emergence of Alaska Native peoples' political claims of sovereignty, and contemporary issues and conflicts surrounding Native governance.

**ANTH S475 Alaska Native Social Change**

3 credits (3+0)

Tradition and change in Alaska Native cultures and social institutions. A study of persistence and change in social structure and world view of Alaska Native peoples.

**ANTH S491 Internship:****ANTH S494 Practicum:**

## Art (ART)

**ART S105 \*Beginning Drawing**

3 credits (2+2)

GER. An introduction to fundamental drawing concepts, history, materials, techniques, terminology, functions, and range of visual aesthetics.

**ART S113 Painting Workshop**

1 credit (0.5+1)

Introduction to oil and acrylic painting techniques and materials. Explores the process of painting and color mixing, preparation of surfaces, principles of design and composition, and development of artistic vision. Instruction is designed to match the student's individual level. Completed work is reviewed in weekly discussions and formal critiques. May be repeated for credit. Pass/Fail grading.

**ART S116 Fiber Arts-Spinning**

1 credits (.5+1)

Study and practice of either hand or machine spinning using traditional fibers and methods with a special emphasis on yarn design and developing a skill for producing yarns of consistent quality. Repeatable for credit.

**ART S138 Natural Dye**

1 credit (.5+1)

Studies history, philosophy, and procedures for dyeing with plants and other naturally found dyestuffs. Students learn how to use mordants, collect dye materials, extract the dye, dye wool and other fibers, and keep accurate records of their experiments. Both native and exotic dyestuffs are included. Repeatable for credit.

**ART S160 \*Art Appreciation**

3 credits (3+0)

GER. Course is designed to stimulate thought and develop an appreciation of the visual arts. There will be an emphasis on how art is useful in everyday life, how it speaks and what it means.

**ART S180 Northwest Coast Art: Selected Topics**

1-3 credits (variable)

Materials and techniques used in Northwest Coast art works. The subtitle of each course gives the specific art form covered. Lab requirements vary.

**ART S181 \*Beginning Northwest Coast Indigenous Design**

3 credits (2+2)

GER. Study of the basic elements of traditional Northwest Coast Indigenous design. Includes the use of ovoids, u-shapes, and form lines to develop traditional as well as contemporary designs. Methods for transferring designs to other mediums, such as wood or cloth. May be stacked with ART S281 and ART S381.

**ART S183 Harvest and Preparation of Basket Materials**

1 credit (.5+1)

Methods of collecting, harvesting and preparing materials for basket making. Repeatable for credit.

**ART S189 Northwest Coast Tool Making**

3 credits (2+2)

Students will make a set of traditional Northwest Coast carving tools by grinding, shaping, tempering, polishing, sharpening, and fitting to wooden handles: a straight knife, curved knife and adze.

**ART S201 \*Beginning Ceramics**

3 credits (1+4)

GER. Introduction to the history and fundamentals of making and firing of clay objects. Study of clay methods of forming, decorating, glazing, and firing. May be stacked with ART S301 and/or ART S401.

**ART S205 Intermediate Drawing**

3 credits (1+4)

Exploration of pictorial composition and creative interpretation of subjects. Four hours lab per week required.

**Prerequisite:** ART S105 or instructor permission.

**ART S213 Beginning Painting (Oil and Acrylic)**

3 credits (1+4)

Introduction to basic materials and techniques in painting in oil and acrylic mediums. ART S213/ ART S313/ ART S413 stacked.

**Prerequisite:** ART S205 or instructor permission.

**ART S215 Beginning Weaving**

3 credits (1+4)

Warping the loom, reading and designing patterns, and weaving various loom controlled techniques. Manipulative techniques for lace, pile, in-lay and tapestry; yarn calculations and count systems; spinning and dyeing included. Four hours lab per week required.

**ART S230 Artists Studio, Beginning**

1-3 credits (1+4)

Presents exploration of a variety of media. Students will design and complete independent projects.

**ART S253 Field Sketching and Nature Drawing**

1 credit (0.5+2)

Students explore nature drawing as a tool for observation, appreciation, and learning, and will keep sketch journals of their studies. Topics include basic sketching techniques, botanical and zoological sketching and drawing, and landscape drawing. Media will include pencil, pen and ink, watercolor, and colored pencil.

Field labs required. Pass/Fail grading.

**ART S260 \*Indigenous Performing Arts**

3 credits (3+0)

GER. Offers an exploration into Indigenous performing arts, including song, dance, storytelling, integration of visual arts into performance, poetry, memoir, fiction, and film studies.

While exploring content, students will explore the lenses of post-colonial studies in the context of performing arts.

**ART S261 \*History of World Art I**

3 credits (3+0)

GER. Origins of art from a global perspective and its progressive development from prehistory to the 12th century. ART S261

and ART S262 may be taken in reverse order; however, course content is presented in a chronological sequence.

**ART S262 \*History of World Art II**

3 credits (3+0)

GER. Origins of art from a global perspective, and its progressive development from the 12th Century to contemporary. ART S261

and ART S262 may be taken in reverse order; however, course content is presented in a chronological sequence.

**ART S263 \*Northwest Coast Native Art History & Culture**

3 credits (3+0)

GER. A survey of the visual arts of Northwest Coast original peoples, which includes formline design, basketry, woolen weaving, and carving to put designs on a wide variety of media. Images, methods, and materials will be discussed within cultural and historical contexts. The histories and cultures of Indigenous peoples of the Northwest Coast will be explored through their visual arts.

**ART S280 Northwest Coast Art: Selected Topics**

1-3 credits (variable)

Materials and techniques used in Northwest Coast art works. The subtitle of each course gives the specific art form covered. Lab requirements vary.

**ART S281 Intermediate Northwest Coast Design**

3 credits (2+2)

Continued study of traditional Northwest Coast design principles and elements. Includes ongoing instruction on uses of the shapes in formline design, with increased focus on methods of filling a given space with design. May be stacked with ART S181 and ART S381.

**Prerequisite:** ART S181.

**ART S282 Beginning Northwest Coast Basketry**

3 credits (2+2)

An introduction to Northwest Coast basket weaving practiced by Indigenous peoples of Southeast Alaska. Projects will include twined or plaited weaving in spruce roots or cedar bark to produce a basket or plaited hat, with particular attention to traditional standards of design. May be stacked with ART S382 and ART S482.

**ART S284 Northwest Coast Basket Design**

1 credit (0.5+1)

A study of designs and materials used in Northwest Coast baskets, and an overview of the techniques used to create particular designs. Will include an overview of basket uses and how that affects design, meanings associated with particular patterns, and how the development and use of patterns have changed over time.

**ART S285 Beginning Northwest Coast Carving**

3 credits (2+2)

An introduction to traditional Northwest Coast carving in wood.

Possible projects may include carving spoons, halibut hooks, relief panels, bentwood bowls or boxes. May be stacked with ART S385 and ART S485.

**ART S286 Beginning Northwest Coast Woolen Weaving**

3 credits (2+2)

An introduction to traditional twining techniques that are used in ceremonial garments along the Northwest Coast will be studied through creation of regalia. May be stacked with ART S386 and ART S486.

**ART S295 Career Development for the Artist**

3 credits (3+0)

Teaches skills in professional art presentation and career development. Students discuss the development of creative ideas and the relevance of concept to artistic development. Students develop web sites, resumes, and portfolios for employment, residencies, galleries, and continued study.

**ART S301 Intermediate Ceramics**

3 credits (1+4)

A continuation of basic ceramics with an emphasis on the potter's wheel, glaze calculations and plaster as it relates to pottery. Four hours lab per week required.

**Prerequisite:** ART S201 or permission.

**ART S305 Advanced Drawing**

3 credits (1+4)

Advanced exploration of pictorial compositions and creative interpretation of subjects. Special topics and media will be introduced. ART S205, ART S305, ART S405 may be stacked.

**Prerequisite:** ART S205.

**ART S313 Intermediate Painting**

3 credits (1+4)

Development of expressive skills in painting in any media. Emphasis on pictorial and conceptual problems. ART S213/ART S313/ART S413 stacked.

**Prerequisite:** ART S213.

**ART S330 Artists Studio, Intermediate**

1-3 credits (variable)

A continuation of exploration of a variety of media. Students will design and complete independent projects.

**ART S350 Northwest Coast Art Theory and Practice**

3 credits (3+0)

The challenges and contexts in which NW Coast artists, scholars, and curators may find themselves are examined. Students will engage in critical discourse to prepare for engagement with scholarship, markets, and audiences as a professional artist informed by decolonial perspectives rooted in Indigenous intellectual authority. Topics include historical and current negotiations with audience expectations, markets, modes of reception; issues of exhibition, display and performance; practical issues of materiality, production, and presentation; legal concerns that impact and influence Northwest Coast Art; and a variety of Indigenous protocols and worldviews.

**ART S363 History of Modern Art**

3 credits (3+0)

Development of modern art forms and theories in the visual arts from the late 19th Century to contemporary art. Concentration on the artistic pluralism of 20th Century art forms: Cubism, Futurism, Surrealism, Expressionism, Constructivism, Non-objective Art, Abstract Expressionism, Pop Art, Realism and other 'isms.'

**Prerequisite:** ART S262 or instructor permission.

**ART S380 Northwest Coast Art: Selected Topics**

1-3 credits (variable)

Materials and techniques used in Northwest Coast art works. The subtitle of each course gives the specific art form covered. Lab requirements vary. Pass/Fail grading.

**Prerequisite:** Previous experience in area of study.

**ART S381 Advanced Northwest Coast Design**

3 credits (2+2)

Advanced study of Northwest Coast designs with an emphasis on both traditional and contemporary applications. May be repeated for credit. May be stacked with ART S181 and ART S281.

**Prerequisite:** ART S281.

**ART S382 Intermediate Northwest Coast Basketry**

3 credits (2+2)

Continued study of basket weaving, with emphasis on false embroidery, more complex weaving techniques and mastery of endings. May be stacked with ART S282 and ART S482.

**Prerequisite:** ART S282.

**ART S385 Intermediate Northwest Coast Carving**

3 credits (2+2)

Continued study of traditional Northwest Coast carving in wood. Emphasis on more complex relief or three-dimensional carving using Northwest Coast designs. May be stacked with ART S285 and ART S485.

**Prerequisite:** ART S285.

**ART S386 Intermediate Northwest Coast Woolen Weaving**

3 credits (2+2)

Continued study of traditional twining techniques from the Northwest Coast Native cultures. Discussion of the history of twined regalia, dyeing and spinning techniques, as well as traditional designs. May be stacked with ART S286 and ART S486.

**Prerequisite:** ART S286.

**ART S401 Advanced Ceramics**

3 credits (1+4)

Advanced wheel work and hand building; advanced clay body and glaze calculation as needed. Study of the practical application of ceramics in commercial fields. May be repeated for credit.

**Prerequisite:** ART S301 or instructor permission.

**ART S405 Senior Drawing**

3 credits (1+4)

Individual development and exploration of creative interpretation in a variety of drawing media. May be repeated for credit with permission of instructor. Four hours lab per week required.

ART S205, ART S305, ART S405 may be stacked.

**Prerequisite:** ART S305.

**ART S413 Advanced Painting**

3 credits (1+4)

Individual development of technical and creative processes in painting in any media. May be repeated for credit with permission of instructor. ART S213/ART S313/ART S413 may be stacked.

**Prerequisite:** ART 313.

**ART S430 Artists Studio, Advanced**

1-3 credits (variable)

Advanced studio work in a variety of media. Students will design and complete independent projects. May be repeated for credit.

**ART S480 Northwest Coast Art: Selected Topics**

1-3 credits (variable)

Materials and techniques used in Northwest Coast Indian art works. The subtitle of each course gives the specific art form covered. Lab requirements vary. Pass/Fail grading.

**Prerequisite:** Proficiency in area of study.

**ART S482 Advanced Northwest Coast Basketry**

3 credits (2+2)

Advanced study of basket weaving, with an emphasis on design. May be repeated for credit. May be stacked with ART S282 and ART S382.

**Prerequisite:** ART S382.

**ART S485 Advanced Northwest Coast Carving**

3 credits (2+2)

Advanced study of Northwest Coast carving in wood, with increased emphasis on both contemporary and traditional designs. May be repeated for credit. May be stacked with ART S285 and ART S385.

**Prerequisite:** ART S385.

**ART S486 Advanced Northwest Coast Woolen Weaving**

3 credits (2+2)

Advanced study of traditional twined woolen weaving, with increased emphasis on complex designs. May be repeated for credit. May be stacked with ART S286 and ART S386.

**Prerequisite:** ART S386.

**ART S491 Art Internship**

Variable credit (0+0+4)

Art internship program in conjunction with art agencies/programs in a school, gallery, museum, etc. Internship programs require 56 contact hours per credit. An instructor approval form is required prior to registration and/or work activity. May be repeated for credit.

**ART S499 Thesis:**

## Automotive Technology (AUTO)

### **AUTO S102 Introduction to Automotive Technology**

3 credits (2+2)

Introduction to all components on an automobile. Includes career information for the automotive industry, shop safety, hand tools, fasteners, and basic automotive service.

### **AUTO S121 Basic Electrical Systems**

3 credits (2+2)

Cross-listed as DESL S121. Covers history and origins of electrical theory through the generation of electricity. Includes diagnosis, minor repair and general service of alternators, starters and batteries.

### **AUTO S131 Electrical II**

3 credits (2+2)

Cross-listed as DESL S131. Theory, diagnosis, and repair of automotive electrical systems, to include testing tools, schematics, and computers.

**Prerequisite:** AUTO S121/DESL S121.

### **AUTO S282 Auto Mechanics Open Lab**

3 credits (0+6)

Laboratory course in automotive repair and maintenance. Students are required to develop a personal study based on the task list for the eight (8) ASE repair areas. Power Technology students are encouraged to take this course. Student projects are limited to component repair and running vehicles with current registration. Pass/Fail grading. May be repeated for credit.

**Prerequisite:** AUTO S102.

## Aviation Technology (AT)

### **AT S100 Private Pilot Ground School**

4 credits (4+0)

Investigation of the theoretical foundations of flying and preparation for the Federal Aviation Administration Private Pilot (Airplane) written examination. Includes airplane and engine operation and limitations, airplane flight instruments, navigation, the navigation computer, meteorology and aviation weather services, air traffic control, flight publications and FAA regulations. Extensive use of FAA films.

## Biology (BIOL)

### **BIOL S101 Introduction to Biological Research Techniques I**

1-3 credits: 1 (.5+1)

A research-based lab class focusing on the use of techniques and research tools to answer locally relevant ecological, taxonomic or management questions. Consists of lectures, lab and/or field work, reviewing scientific literature, and research writing. Students work alone or in pairs on research questions approved by the instructor to develop and implement a research plan for their project and write a synopsis of their research. Lab and field techniques appropriate to the plan will be taught. Note: Not accepted for Biology major or Biology elective credit.

### **BIOL S102 Introduction to Biological Research Techniques II**

1-3 credits: 1 (.5+1)

Students will complete the work outlined in the study plan developed in BIOL S101. Students will learn appropriate basic data analysis tools such as phylogenetic programs and simple statistical methods. Critical thinking skills will be emphasized as students explore and analyze their data. Students will write up their research findings formatted as a scientific manuscript and will prepare a public research presentation. Note: Not accepted for Biology major or Biology elective credit.

**Prerequisite:** BIOL S101 (C- or better).

### **BIOL S103 \*Biology and Society**

4 credits (3+3)

GER. Fundamental principles of biology focusing on human biology, ecology and the environment. Laboratory sessions include field trips, experiments, demonstrations, and discussion of contemporary biological topics. For non-majors; cannot be used to fulfill requirement for biology majors.

**Prerequisite:** MATH S105 or concurrent enrollment.

### **BIOL S104 \*Natural History of Alaska**

4 credits (3+3)

GER. The physical environment peculiar to the North and important in determining the biological setting: major ecosystem concepts to develop an appreciation for land use and wildlife management problems in both terrestrial and aquatic situations. May not be used as biology elective credit for a major in Biology. BIOL S104 fulfills a Natural Science General Education Requirement.

### **BIOL S107 Flora of Southeastern Alaska**

1 credit (1+0)

Students will learn to recognize the native trees, shrubs and herbs found in Southeastern and coastal South Central Alaska. Focus will be on identification of common plant species and attaining an understanding of plant ecological requirements, interaction with other organisms, and human use of plants. Note: Not accepted for biology major credit or elective.

### **BIOL S108 Experiential Learning: Ecology of Southeast Alaska**

2 credits (1+2)

Students will improve their science communication skills, learning skills, and their knowledge of the ecosystems of Southeast Alaska while interacting with faculty and exploring research techniques. Note: Not accepted for Biology major or Biology elective credit. Pass/Fail grading

**Prerequisite:** BIOL S115 (formerly BIOL S105) or concurrent enrollment, or instructor approval.

### **BIOL S110 Introduction to Marine Fisheries Science**

3 credits (3+0)

Explores the patterns of fishery species diversity, and the resilience and sustainability that result. Introduces the complexity of what constitutes a fishery and factors that have led some fisheries to collapse and others to persist. Students will gain a better understanding of the science of sustainability in Alaska, with a focus on 21st-century global fishery challenges, such as climate change.

**BIOL S111 \*Human Anatomy and Physiology I**

4 credits (3+3)

GER. Integrated view of human structure and function. Provides a foundation in relevant chemistry, cell biology, histology and unifying concepts. Covers integumentary, skeletal, muscular, and nervous systems.

**BIOL S112 \*Human Anatomy and Physiology II**

4 credits (3+3)

GER. Integrated view of human structure and function. Continuation of Human AP I. Covers endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems.

**Prerequisite:** BIOL S111 (C- or better) or permission.

**BIOL S115 \*Fundamentals of Biology I**

4 credits (3+3)

GER. The first of a two-part course series for science majors. Covers the chemistry of life, cell structure and function, cellular energetics, cell division, genetics, and evolution.

**Prerequisite:** MATH S105 or concurrent enrollment.

**BIOL S116 \*Fundamentals of Biology II**

4 credits (3+3)

GER. The second of a two-part course series for science majors. Covers speciation, organismal diversity, form and function of plants and animals, and ecology.

**Prerequisite:** BIOL S115 (formerly BIOL S105) and MATH S151 or concurrent enrollment.

**BIOL S175 Current Topics in Marine Research**

1 credit (1+0)

A fall symposium of lectures presented as part of the Sitka WhaleFest: A Celebration of Marine Wildlife. Marine scientists will present current research findings on topics focused on marine life around the Pacific Rim, with an emphasis on marine mammals. Students must attend an introductory class, all symposium lectures, and a follow up group discussion with invited researchers; written summaries of the lectures will be required. Students must be registered for the Sitka WhaleFest. May be repeated for credit when content differs.

**BIOL S194 Practicum:**

1-3 credits (0+0+ 4-12)

Supervised practical application of a previously studied theory conducted under the supervision of a qualified professional in cooperation with a faculty member. Requires 50 hours per credit of supervised practicum work, and signed approval by the faculty instructor (and also the chair or dean, if an individual practicum).

**BIOL S215 Introduction to Marine Biology**

3 credits (3+0)

An introduction to the major characteristics of ocean ecosystems and the organisms that inhabit them. Includes physical, chemical, and biological principles that affect marine biodiversity.

**Prerequisite:** BIOL S115 and BIOL S116.

**BIOL S239 Introduction to Plant Biology**

4 credits (3+3)

Structure, function, ecology, and evolutionary patterns of the major groups of plants.

**Prerequisite:** BIOL S115 and BIOL S116.

**BIOL S240 Introductory Microbiology**

4 credits (3+3)

General introductory microbiology with emphasis on microorganisms as disease causing agents. Fundamentals of microbial biology and diversity including host microbe interactions and epidemiology. Not accepted for Biology major credit. Recommended for health science students. BIOL S112 and CHEM S104 recommended.

**Prerequisite:** 8 credits in biology or chemistry.

**BIOL S271 Ecology**

4 credits (3+3)

Overview of the principles of ecology with emphasis on the organism, population, community, ecosystem and biome levels. Aspects of the physical environment are included in the organismal ecology discussions. Laboratory sessions mainly are field exercises in biological sampling and analyses.

**Prerequisite:** BIOL S115; and either BIOL S116 or ENVS S102; and STAT S200 or concurrent enrollment.

**BIOL S294 Practicum:**

1-2 credits (0+0+4)

Practical application of a previously studied theory, conducted under the supervision of a qualified professional in cooperation with a faculty member from the department. Requires approval form. Practica require a minimum of 50 clock hours per credit.

**BIOL S298 Individual Research****BIOL S310 Animal Physiology**

4 credits (3+3)

Chemical and physical principles underlying living processes, and the integration of these principles into the physiology of cells and whole organisms. Three hours lab per week required.

**Prerequisite:** BIOL S115 and S116, CHEM S105 and S106, and MATH S151.

**BIOL S311 Communicating Science**

3 credits (3+0)

Introduction to writing and speaking in a variety of scientific and technical forms. This includes writing reports, journal articles, grant proposals, and speaking at scientific meetings and seminars, community events, and to the popular press. Practice in writing for different audiences, editing, using online bibliographic programs, and presenting completed works to an audience of peers.

**Prerequisite:** WRTG S211 and upper division standing in a science degree program.

**BIOL S349 Biological Oceanography**

3 credits (3+0)

Provides foundational knowledge about the biology of our world's oceans, including events of ancient oceans that are central to the rise of our modern oceans. Students will learn about today's ocean, the diversity of ecosystems from the shoreline to the deep, and the physical, chemical, and geological drivers of ecosystem patterns. Students will also learn about how the ocean is changing, climate disruption processes, and about some of the most promising solutions to these challenges.

**Prerequisite:** Upper-division standing in the natural sciences department or instructor approval.

**BIOL S353 Tropical Marine and Coastal Ecology**

3 credits (2+2)

Focuses on the ecology of coral reefs, seagrass beds, and mangrove forests; endangered and invasive species; conservation biology; climate change; and marine policy and management. Field activities include observation of flora and fauna by snorkeling in marine habitats, tide pool exploration, coastal hikes, and examination of marine reserves. Travel to tropical sites is a required course component. Recommended: BIOL S215 and BIOL S271.

**Prerequisite:** BIOL S116.

**BIOL S355 Experimental Design and Data Analysis**

4 credits (3+3)

Design and analysis of manipulative and observational research projects, with an emphasis on practical aspects of experimental design and collection of samples in field environments. Includes lectures, field and lab exercises exploring the nature of data, common design challenges, application of standard univariate statistics, analysis of variance, regression and analysis of covariance, and analysis of categorical data. Also explored are issues in scientific ethics, research animal welfare, scientific writing, and data presentation.

**Prerequisite:** STAT S200 and upper division standing.

**BIOL S362 Genetics**

4 credits (3+2)

Principles of inheritance; physiochemical properties of genetic systems.

**Prerequisite:** BIOL S115 and BIOL S116; CHEM S106; and MATH S151.

**BIOL S373 Conservation Biology**

4 credits (3+3)

An exploration of how biological principles are applied to conserve diversity at all levels of biological organization, from genes to biomes.

**Prerequisite:** BIOL S271.

**BIOL S375 Current Topics in Biology:**

2 credits (2+0)

Discussion of a book or series of papers on a current topic in biology. Students will lead discussions and be graded on both their presentation and their participation in discussions. May be repeated for credit.

**Prerequisite:** BIOL S115 and BIOL S116.

**BIOL S380 Marine Ornithology and Herpetology**

3 credits (3+0)

A survey of the basic biology of marine birds and marine reptiles. Topics include taxonomy, phylogeny, evolution, anatomy, physiology, reproduction, foraging strategies, habitat use, navigation, migration, and conservation. Lectures will be supplemented with in-class discussions of required readings and one field trip to observe local bird species. Recommended but not required: BIOL S215 and BIOL S271.

**Prerequisite:** BIOL S105 and BIOL S106.

**BIOL S384 Marine Mammalogy**

4 credits (3+3)

The evolution and classification of marine mammals will be presented as a framework for understanding their adaptations, physiology, anatomy, behavior, ecology, reproduction, and mating systems. Current research techniques and conservation issues will also be reviewed. Students will write and present a paper on a special topic. Two field trips (dates TBA). BIOL S215 recommended.

**Prerequisite:** BIOL S115 and BIOL S116, and BIOL S271.

**BIOL S396 Field Studies in Behavior and Ecology**

1-6 credits (variable (0+0+ 4-24))

Intensive field study in selected topics in animal behavior and ecology with emphasis on field methods. Each student will conduct an individual research project. Field studies may entail a deferred grade. Projects may be associated with on-going research projects or new projects developed by the instructor and student. Number of credits will be determined by the scope of the project. May be repeated for up to 12 credits. Letter grades or Pass/Fail may be arranged by permission of instructor.

**Prerequisite:** BIOL S105, BIOL S106, BIOL S271 and signed permission form.

**BIOL S405 Invertebrate Zoology**

4 credits (3+3)

Structure, function, classification, evolution and life histories of invertebrate animals. Marine invertebrates are emphasized. (Formerly offered as BIOL S305).

**Prerequisite:** BIOL S115 and BIOL S116 (formerly BIOL S105 and S106).

**BIOL S410 Physiology of Marine Animals**

3 credits (3+0)

An integration of physiological concepts with ecology and evolution to examine how organisms adapt within a diversity of marine environments including the intertidal, subtidal, and the deep sea. Emphasizes the biochemical adaptations within the processes of respiration, osmoregulation, thermoregulation, and metabolism of marine invertebrates, fishes, and marine mammals.

**Prerequisite:** BIOL S310.

**BIOL S427 Introduction to Ichthyology**

4 credits (3+3)

Major groups of fishes, emphasizing the fishes of northwestern North America. Classification, structure, evolution, general biology and importance to man of the major groups.

**Prerequisites:** BIOL S115 and BIOL S116.

**BIOL S441 Animal Behavior**

4 credits (3+3)

The mechanisms and adaptive nature of individual and social behaviors will be explored in lectures, reading, and laboratory and field exercises. Proximal and ultimate explanations for behavior are studied in terms of genetics, ecology, and modern evolutionary theory. Laboratory and field exercises emphasize hypothesis testing through observations and analysis of behavior. BIOL S362 (Genetics) is highly recommended before taking this course.

**Prerequisites:** BIOL S115, BIOL S116, or BIOL S271, or instructor permission.

**BIOL S480 Aquatic Pollution**

3 credits (3+0)

Discusses all major kinds of marine pollution including oil, heavy metals, organic wastes, pulp mill effluent, PCBs, pesticides, ocean dumping, radioactive wastes, thermal pollution, marine litter and noise pollution. Effects on biological systems are emphasized. Some consideration given to legal aspects.

**Prerequisite:** BIOL S271 and CHEM S106.

**BIOL S481 Marine Ecology**

4 credits (3+3)

In-depth study of the paradigms regarding the distribution and abundance of marine organisms including analysis and discussion of current primary literature. Major emphasis on how physical-biological interactions structure populations, communities, and ecosystems in the oceans. Students will complete a research project.

**Prerequisite:** BIOL S215, BIOL S271, and STAT S200.

**BIOL S482 Evolution**

4 Credits (3+3)

Entails in-depth study of the mechanisms of evolution. The roles of genetic variation, natural selection, and adaptation in speciation and other evolutionary processes will be examined in an historical context. Competing schools of thought from the era of "The Origin of the Species" to recent advances in molecular evolution will be considered.

**Prerequisite:** BIOL S115 and BIOL S116; and BIOL S362 or concurrent enrollment.

**BIOL S491 Internship****BIOL S492 Biology Seminar**

1 credit (1+0)

Provides students with first-hand accounts of current research in the biological sciences. Seminar speakers will present research results in a variety of subdisciplines, and students will discuss the significance with presenters and instructor. May be repeated for credit.

**Prerequisite:** BIOL S116.

**BIOL S494 Biology Practicum****BIOL S498 Research in Biology**

1-6 credits (variable)

Individual research in the biological sciences undertaken by a student in consultation with a member of the biology program faculty. Students may submit research ideas to faculty and develop them into a project with faculty input.

**Prerequisite:** BIOL S115, BIOL S116, and BIOL S271, and signed permission form.

## Business Administration (BA)

**BA S116 Business Mathematics**

3 credits (3+0)

Helps students improve proficiency with basic math skills and apply mathematical concepts (fractions, decimals, and percentages) to business situations. Covers payroll, taxes, insurance, simple interest, compound interest, installment purchasing, annuities, depreciation, financial statements and ratio analysis, stocks, bonds and profit distribution and, business statistics.

**BA S151 Introduction to Business**

3 credits (3+0)

Business organization, nature of major business functions such as management, finance, accounting, marketing and personnel administration. Opportunities and requirements for professional business careers.

**BA S160 Principles of Banking**

3 credits (3+0)

Introduction to fundamental banking concepts and principles, the basics of how banks/credit unions operate as a business, and the responsibilities of bank employees in a customer-focused financial services environment.

**BA S163 Business English**

3 credits (3+0)

Applies the principles of English grammar, style, and usage to business correspondence. Topics include capitalization, numbers, abbreviations, word division, forms of address, and techniques for editing and proofreading particularly as applied to electronic documents.

**BA S166 Small Business Management**

3 credits (3+0)

Survey of core areas of business administration with particular emphasis on organization and operation of small and middle-scale businesses. Business law, personal finance, manufacturing, marketing and finance included at the introductory level.

**BA S251 Management Skills**

3 credits (3+0)

Allows students to explore various techniques for developing effective management skills. Personal skills, interpersonal skills, group skills, and communication skills will be explored. Diagnostic tools, discussion, reflection, self-analysis, and skill practice will be the primary learning methods used. The main objective is for students to develop a personalized plan for professional improvement.

**Prerequisite:** WRTG S090 (C 2.00 or better) or higher, or placement into WRTG S110 or higher.

**BA S254 Personal Finance**

3 credits (3+0)

Explores the management of personal and family finances, including financial planning, budgeting, time value of money, consumer buying, personal credit, savings and investment, home ownership and mortgages, insurance, estate planning, retirement, consumer fraud, and laws.

**BA S263 Business Communications**

3 credits (3+0)

Application of business communication principles through creation of effective business documents and oral presentations. Includes study and application of team communication, current communications technologies, and use of technology to facilitate the communication process.

**Prerequisite:** BA S163 or WRTG S111 (C- 1.70 or better).

**BA S301 Principles of Management**

3 credits (3+0)

Survey of the basics of management. Synthesis of the traditional and contemporary quantitative and behavioral approaches to the subject of management.

**BA S310 Management Information Systems**

3 credits (3+0)

Cross-listed as CIS S310. Explores the role of information systems in various business contexts from a managerial perspective. Examines ways to improve business processes and decision-making through the use of information systems. Practical application of fundamental principles is emphasized.

**BA S325 Financial Management**

3 credits (3+0)

Intensive analysis of the methods of financial planning and control, asset management, and other functions performed by the financial executive.

**Prerequisite:** ACCT S202 (C- 1.70 or better).

**BA S330 Legal Environment of Business**

3 credits (3+0)

Cross-listed as LAWS S330. This course examines business in its relation to the legal and judicial systems and to government regulation. It explores legal concepts and issues pertaining to competition, sales, employees, liabilities and forms of doing business.

**BA S332 Contracts**

3 credits (3+0)

Cross-listed as LAWS S332. Law related to the formation of a contract including the offer, acceptance and consideration; defenses to the formation and enforcement of contracts, performance of contracts, excuse, discharge and damages.

**Prerequisite:** LAWS S101 or BA S330/LAWS S330.

**BA S343 Principles of Marketing**

3 credits (3+0)

Role of marketing in society and economy; the business firm as a marketing system; management of the firm's marketing effort.

**BA S351 Organizational Effectiveness**

3 credits (3+0)

Concepts of organizational behavior including job satisfaction, stress, motivation, trust, decision making, problem solving, conflict resolution, leadership, power, teams, individual characteristics, and organizational structure and culture. Research-based evidence links these concepts with job performance and organizational commitment.

**BA S360 Business Organizations**

3 credits (3+0)

Cross-listed as LAWS S360. This course will cover the theoretical and substantive aspects of the formation, operation, and dissolution of various types of business organizations. The subjects will include the law of sole proprietorships, partnerships, limited liability companies, and corporations. Aspects of agency and employment law will also be examined.

**BA S361 Human Resource Management**

3 credits (3+0)

Survey course in basic principles of human resource management and administration. Examines HR practices related to recruitment, selection, training, development, compensation, and employee relations.

**BA S363 Marketing Communications**

3 credits (3+0)

The importance and use of an integrated marketing communications approach to the planning and execution of the marketing mix variable of promotion is explored. Practical application of the fundamental principles is emphasized. Recommended prerequisite: BA S343.

**BA S374 Introduction to Quantitative Methods**

3 credits (3+0)

Introduces basic statistical methods used in business decision making. Probability functions common in business applications, descriptive statistics, confidence intervals and hypothesis testing, sampling methods and sampling error, regression and analysis of variance. Focus is on application, including Excel and SPSS, and on using results for decisions.

**Prerequisite:** MATH S151.

**BA S412 Operations Management and Production**

3 credits (3+0)

Management of operations, production, service system with emphasis on quantitative analysis. Characteristics of systems, types of production and service, forecasting, scheduling, facility design, and other topics in operations management will be covered. Quantitative techniques include linear, integer and goal programming as forecasting and queuing models.

**Prerequisite:** MATH S151 (C- 1.70 or better); and BA S374 or STAT S200.

**BA S451 Employee Engagement and Total Rewards**

3 credits (3+0)

This course explores how monetary, beneficial, and developmental rewards can be strategically designed to motivate employees and achieve business goals. In addition to employee engagement, topics studied include compensation, benefits, work/life balance, recognition, performance management, and professional development. Additionally, current related trends in the field will be examined.

**Prerequisite:** BA S361.

**BA S454 Fraud and Forensic Examination**

3 credits (3+0)

Cross-listed as ACCT S454. Provides a broad detailed overview of the practical issues and techniques that encompass fraud investigation and examination, forensic accounting, legal and liability issues, related criminology, and ethical considerations.

**Prerequisite:** ACCT S201 or BA S325 (C- 1.70 or better).

**BA S461 Labor-Management Relations**

3 credits (3+0)

Assists executives, administrators and union business agents in the private and public sectors or students who aspire to such careers in dealing with collective benefit efforts of employees as developed and controlled by tradition, regulatory agencies and the courts. Coursework focuses on organizing, negotiating, arbitrating and the duty of a union to its members.

**Prerequisite:** BA S361 (C 2.00 or better).

**BA S462 Capstone: Strategic Management**

3 credits (3+0)

In-depth examination of business policy and strategy. This course integrates the competencies and knowledge from the business disciplines and functional viewpoints into a comprehensive strategic planning and implementation process using a series of case studies and business simulation. Designed as the capstone course for senior B.B.A. students, intended to be taken during the final semester.

**Prerequisite:** BA S301, BA S325, BA S343, and either STAT S200 or BA S374 (all C- 1.70 or better).

**BA S465 Strategic Marketing and Management for Non-Profits**

3 credits (3+0)

Explores the practical application of marketing concepts and strategic business principles to the private and public non-profit sector. Emphasizes business management practices including planning, analysis of environment, development of strategy, execution, and control. Focus is on the similarities and differences between for-profit business and the non-profit sector.

**Prerequisite:** BA S343 (C- 1.70 or better).

**BA S466 Strategic Human Resource Management**

3 credits (3+0)

Explores research-based competencies recommended for success as an HR professional. Examines various HR functions in the context of strategic planning, talent management, total rewards, and business trends. Reviews the evolution of HR, and allows for personal reflection and application. Designed as the culminating course for senior B.B.A. students in the Human Resource Management emphasis, intended to be taken during the final semester.

**Prerequisite:** BA S361 (C 2.0 or better).

**BA S476 Project Management**

3 credits (3+0)

A holistic approach to project management: planning, scheduling, organizing, and controlling projects. Primary class emphasis is on project management process and tools.

**Prerequisite:** MATH S151 or higher (C- 1.70 or better).

**BA S481 Organizational Change**

3 credits (3+0)

Provides a comprehensive look at managing change within organizations using one basic change model. Examines practical techniques and tactics to facilitate the implementation of any strategy and/or program requiring change. Prepares participants to be effective change agents in personal and professional settings. Corequisite: BA S351. Recommended: BA S476.

**Prerequisite:** BA S301.

**BA S485 New Business Ventures**

3 credits (3+0)

Readings and case studies focusing on independent businesses and new business ventures. Sources of information, common problems of startups and methods for analyzing situations for profitable entry are covered.

**Prerequisite:** ACCT S202, BA S325 and BA S343.

**BA S487 International Business**

3 credits (3+0)

A comprehensive examination of international business environments and practices. Attention is given to how differences in culture, political and legal systems, and economic systems influence business practices and trade patterns. Special attention is given to how globalization influences business practices.

**Prerequisite:** ECON S201 or ECON S202 (C- 1.70 or better).

**BA S490 The Political and Social Environment of Business**

3 credits (3+0)

Policy decisions and governmental regulations affecting business as well as the social responsibility of business in society.

**Prerequisite:** ECON S201 or ECON S202 (C- 1.70 or better).

**BA S494 Practicum**

1-3 credits (0+0+ 4-12)

A practicum designed by the student and instructor to provide practical experience conducted under the supervision of a qualified professional in cooperation with the instructor.

**Prerequisite:** Signed approval form.

**BA S498 Applied Business Research**

3 credits (0+0+12)

Investigate the essential techniques of the research process in the context of business issues to include defining a research problem, designing a business research project, referencing research literature, and evaluating research papers. Designed for senior B.B.A. students and intended to be taken during the final year of the B.B.A. program.

## Chemistry (CHEM)

**CHEM S100 \*Introduction to Chemical Science**

3 credits (3+0)

GER. Introduction to chemistry for the non-science major.

Includes units of measurement, atomic and molecular structure, chemical bonding, metabolism, radioactivity oxidation-reduction reactions, solutions, acids and buffers.

**CHEM S103 \*Introduction to General Chemistry**

4 credits (3+3)

GER. Fundamentals of chemistry including the historical and descriptive aspects as well as basic mathematical concepts.

Prepares students to take CHEM S105.

**Prerequisite:** MATH S105.

**CHEM S104 A Survey of Organic and Biochemistry**

4 credits (3+4)

Fundamentals of chemistry as applied to biological systems.

Bridges the gap between a general chemistry course and the biological concepts of other health related sciences.

Recommended for health science degree majors.

**Prerequisite:** CHEM S103.

**CHEM S105 \*General Chemistry I**

3 credits (3+0)

GER. An introduction to general chemistry intended for engineering and science majors. Topics include measurement, energy and matter, periodic trends, chemical composition, chemical reactions, solutions, bond theory, phases, thermodynamics, problem-solving (applied mathematics), and special topics. CHEM S105L is the laboratory component of this course and is a co-requisite of CHEM S105. Students must be enrolled in both CHEM S105 and CHEM S105L to receive full credit for General Chemistry I. Concurrent enrollment in CHEM S105R is recommended. CHEM S105 and CHEM S106, together with their laboratory components CHEM S105L and CHEM S106L, constitute the standard one-year engineering and science major general chemistry courses. Co-requisite: CHEM S105L.

**Prerequisite:** College preparatory chemistry or equivalent (high school chemistry) with a grade of C (2.0) or better and MATH S151 with a grade of C (2.0) or better (concurrent enrollment accepted with permission of instructor).

**CHEM S105L General Chemistry I Laboratory**

1 credit (0+4)

An introduction to laboratory techniques in general chemistry intended for engineering and science majors. The course includes experiments designed to reinforce concepts, including the basics of laboratory equipment, experimental methodology, data collection, data analysis, and reporting. This course illustrates, augments and applies concepts covered in CHEM S105. CHEM S105 is the lecture component of this course and is a co-requisite of CHEM S105L. Students must be enrolled in both CHEM S105 and CHEM S105L to receive full credit for General Chemistry I. Concurrent enrollment in CHEM S105R is recommended. CHEM S105L and S106L, together with their lecture components CHEM S105 and CHEM S106, constitute the standard one-year engineering and science major general chemistry courses. Co-requisite: CHEM S105.

**Prerequisite:** College preparatory chemistry or equivalent (high school chemistry) with a grade of C (2.0) or better and MATH S151 with a grade of C (2.0) or better (concurrent enrollment accepted with permission of instructor).

**CHEM S105R General Chemistry I Recitation**

1 credit (1+0)

Provides direction and review of the concepts and calculations covered in General Chemistry I. Quizzes, homework problems and exams presented in CHEM S105 will be covered extensively. Requires concurrent enrollment in CHEM S105 or instructor permission. Pass/Fail grading.

**CHEM S106 \*General Chemistry II**

3 credits (3+0)

GER. This course is the second semester lecture course in the general chemistry sequence and is intended for engineering and science majors. Topics include kinetics, equilibrium chemistry (including acids and bases, solubility, and complex ion formation), nuclear chemistry, electrochemistry, thermodynamics, and special topics. CHEM S106L is the laboratory component of this course and is a co-requisite of CHEM S106. Students must be enrolled in both CHEM S106 and CHEM S106L to receive full credit for General Chemistry II. Concurrent enrollment in CHEM S106R is highly recommended.

**Prerequisite:** CHEM S105 and CHEM S105L or equivalent with a grade of C (2.0) or better.

**CHEM S106L General Chemistry II Laboratory**

1 credit (0+4)

This second semester laboratory course in the general chemistry sequence is intended for engineering and science majors.

Experiments are designed to reinforce concepts, including the basics of laboratory equipment, experimental methodology, data collection, data analysis and reporting. This course illustrates, augments and applies concepts covered in CHEM S106.

CHEM S106 is the lecture component of this course and is a co-requisite of CHEM S106L. Students must be enrolled in both CHEM S106 and CHEM S106L to receive full credit for General Chemistry II. Concurrent enrollment in CHEM S106R is highly recommended.

**Prerequisite:** CHEM S105 and CHEM S105L or equivalent with a grade of C (2.00) or better.

**CHEM S106R General Chemistry II Recitation**

1 credit (1+0)

Provides direction and review of the concepts and calculations covered in General Chemistry II. Quizzes, homework problems and exams presented in CHEM S106 will be covered extensively. Requires concurrent enrollment in CHEM S106 or instructor permission. Pass/Fail grading.

**CHEM S321 Organic Chemistry I**

4 credits (3+4)

A systematic study of the more important functional groups of carbon compounds, including their mechanisms of reaction, methods of synthesis, and physical and spectroscopic properties. Lab portion will include an introduction to synthetic techniques and spectroscopy.

**Prerequisite:** CHEM S106 (C 2.0 or better).

**CHEM S342 Biochemistry**

4 credits (3+4)

Lecture and laboratory which introduce the fundamental principles of biochemistry. Topics include structure and function of biological molecules, properties of enzymes, kinetics, bioenergetics, metabolism, and molecular biology. Four hours lab per week required.

**Prerequisite:** CHEM S321 with a C or better.

**CHEM S349 Survey of Environmental Chemistry**

3 credits (3+0)

Provides a general overview of chemical processes in the natural environment. Subjects include the chemistry of natural and anthropogenic processes in air, soil, and water; energy production and its impact; abiotic and biotic attenuation of contaminants. Students may not co-register for CHEM S349 and CHEM S350. Completion of CHEM S349 with a grade of C (2.00) or better precludes registration for CHEM S350. CHEM S321 recommended.

**Prerequisite:** CHEM S106 with C (2.00) or higher, or instructor approval.

**CHEM S350 Environmental Chemistry**

4 credits (3+4)

Provides a general overview of chemical processes in the natural environment. Subjects include the chemistry of natural and anthropogenically influenced processes in air, soil, and water; energy production and its impact. Laboratory focuses on the analytical tools and methods used in chemical analyses of environmental samples. Completion of CHEM S349 with a C or better precludes registration for CHEM S350. CHEM S341 recommended.

**Prerequisite:** CHEM S106 with C or better.

**CHEM S393P ST:****CHEM S498 Research:**

## Communication (COMM)

**COMM S101 \*Introduction to Mass Communication**

3 credits (3+0)

GER. A survey of the mass communications media and their functions in modern society. Topics include newspapers, magazines, books, movies, radio, television, the advertising and public relations industries, and the convergence of mass media in the digital environment.

**COMM S111 \*Fundamentals of Oral Communication**

3 credits (3+0)

GER. Introduction to oral communication focusing on interpersonal, small group, and public speaking processes. Students develop oral communication skills for improving feedback, active listening, language usage, nonverbal behavior, audience analysis, and techniques for speech preparation, delivery and alleviating speaking anxiety.

**Prerequisite:** WRTG S110 (C 2.0 or better) or placement or concurrent enrollment in WRTG S111.

**COMM S218 Studies in Human Communication:**

1-3 credits (1-3 +0)

Analysis and application of selected topics from the field of communication. Topics may include but are not limited to: Nonverbal communication, relational communication, discourse, power and ideology, listening, or persuasion. The specific topic is announced in the semester course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S111 (C or better) or instructor permission.

**COMM S219 Media Writing**

3 credits (3+0)

Covers the fundamentals of fair, balanced and ethical news reporting as well as the basics of public relations for print, broadcast, online and social media. Students will learn about the First Amendment and importance of journalism in a free society. Students will learn how to effectively evaluate and engage in news from various original sources on a regular basis.

**COMM S235 \*Small Group Communication and Team Building**

3 credits (3+0)

GER. Practical application of the theories of interaction, information sharing, decision making, team building, and problem solving to small group situations. Principles of conflict, leadership, group roles, self-evaluation, evidence, and reasoning are explored through group observation, practice and analysis. Students develop oral communication skills by engaging in a variety of individual and group presentations.

**Prerequisite:** WRTG S111 (C or better) or instructor permission.

**COMM S237 \*Interpersonal Communication**

3 credits (3+0)

GER. Understanding and building interpersonal communication skills. Students use experiential and oral performance approaches to explore nonverbal and verbal channels, emotions, empathetic listening, perception, self-disclosure, and conflict in significant personal and professional relationships.

**Prerequisite:** WRTG S111 (C 2.0 or better) or concurrent enrollment, or instructor permission.

**COMM S241 \*Public Speaking**

3 credits (3+0)

GER. Speaking skills for individual presentations. Preparation, delivery and analysis of speeches in various platform speaking situations. Includes verbal and nonverbal skills, critical thinking in selecting and organizing materials, audience analysis, informative and persuasive presentations.

**Prerequisite:** WRTG S111 (C or better) or instructor permission.

**COMM S291 Communication Internship**

1-9 credits variable (0+0+ 4-36)

Student work experience while employed (paid or unpaid) by a business or organization, under the supervision of both a qualified professional in the work situation and a faculty member.

**Prerequisite:** Admission to a program, demonstration of preparation for internship activity, and instructor permission via signed course approval form.

**COMM S294 Communication Practicum**

1-9 credits variable (0+0+ 4-36)

A classroom or work related project supervised by a faculty member and an on-site individual who supervises the practicum focus area. Emphasis is on practical applications of oral and, to a lesser extent, written communication competencies in an appropriate environment.

**Prerequisite:** Instructor permission via signed course approval form.

**COMM S330 Intercultural Communication**

3 credits (3+0)

Understanding the communication process that occurs when people of different cultures interact. Topics include perception, stereotyping, language and non-verbal concepts of kinesics, time and space. Special emphasis on analyzing the communication differences that make a difference with Alaska cultures.

This course meets the state requirement for certification in multicultural education.

**Prerequisite:** Lower division communication course and WRTG S111 or equivalent; or instructor permission.

**COMM S335 Organizational Communications**

3 credits (3+0)

A practical career-oriented course designed to help students cultivate a repertoire of speaking and listening skills as they prepare for the world of business and the professions. This research based class provides practice opportunities to lead meetings, train peers, and do job interview, performance appraisal, and information gathering. Students will work on a team problem-solving project and practice resolving conflict. Analysis of work settings to understand strategic organizational communication, structure and culture.

**Prerequisite:** A lower division communication course and WRTG S111 (C or better), or instructor permission.

**COMM S340 Media Studies**

3 credits (3+0)

Examines major theoretical frameworks for analyzing traditional and digital media, and techniques for applying those theories to specific media products and genres. Using various theoretical lenses, students will examine a wide variety of media, including advertising, film, television, news, and the Internet. Students will also investigate economic and political aspects of the media and will explore the ways that race, gender, and class are presented in media products.

**Prerequisite:** WRTG S211 (C or better) or instructor permission.

**COMM S342 History and Theory of Documentary Film**

3 credits (3+0)

Examines the documentary tradition across various styles including the travelogue, city symphony, cinéma vérité, direct cinema, video diary, and personal essay. Students will be acquainted with the rhetorical and visual techniques that are utilized in documenting history, will gain a foundation for viewing and creating nonfiction film and video, and will develop critical perspectives on the various international ways in which we practice the construction of "reality."

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**COMM S380 Communication Theory**

3 credits (3+0)

A review of the research, theoretical assumptions, and modes of the oral communication process. Designed to provide a basic understanding of the basics of oral communication as patterned human behavior. Focus will be on application and critical analysis of theoretical models.

**Prerequisite:** C or higher in WRTG S211 and one of: COMM S111, S235, S237, or S241; or instructor permission.

**COMM S391 Internship:****COMM S394 Practicum:****COMM S418 Advanced Studies in Human Communication:**

1-3 credits (1-3 +0)

Analysis and application of selected topics from the field of speech communication. Students having taken COMM S218 may enroll provided that the topics of study are different. Topics may include, but are not limited to, gender communication, oral interpretation, theories of communication, family communication, leadership, nonverbal communication, or persuasion. The specific topic is announced in the semester course schedule. May be repeated for credit when content varies.

**Prerequisite:** A lower division COMM course, and ENGL/ WRTG S211 or ENGL/WRTG S212 (may be concurrent), or instructor permission.

**COMM S451 Gendered Interpersonal Communication**

3 credits (3+0)

Using a life development approach and emphasizing cultural construction of gender, this course will review sex differences and stereotypes that impact communication. Focuses on communication about women and men, as well as communication between men and women. Class lectures, discussions, individual presentations, and group work will examine current research on gender differences and how these influence communication in personal, professional, education, and media contexts.

**Prerequisite:** A lower division COMM course, and ENGL S311 (may be concurrent), or instructor permission.

**COMM S491 Advanced Communication Internship**

1-9 credits (0+0+ 4-36)

Work experience where a student is employed (paid or unpaid) by a business or organization and is under the supervision of both a qualified professional in the work situation and a faculty member.

**Prerequisite:** Admission to a program, demonstration of preparation for internship activity, and instructor permission.

**COMM S494 Advanced Communication Practicum**

1-9 Credits (0+0+4-36)

A classroom or work related project supervised by a faculty member and an on-site individual who supervises the practicum focus area. Emphasis is on practical applications of oral and, to a lesser extent, written communication competencies in an appropriate environment.

**Prerequisite:** Instructor permission.

## Computer Info & Office Systems (CIOS)

**CIOS S101 Computer Keyboarding and Formatting**

3 credits (3+0)

Presents touch keyboarding techniques and document formatting. Covers keyboarding with emphasis on development of speed and accuracy using the touch method. Introduces horizontal and vertical centering, tables, business letters, memorandums, short reports, multi-page reports, and administrative forms. Formatting functions common to word processing programs will be introduced.

**CiOS S132 Word Processing Concepts and Applications**

3 credits (3+0)

May be offered in two modules (CIOS S132A and CIOS S132B). Part A (1 credit) is fundamental word processing concepts and hands-on practice with a current version. Students use basic word processing tools to create a variety of professional documents. Part B (2 credits) covers intermediate features such as styles, outlines, tables, merging, linking, embedding, and table of contents; and advanced features such as templates, on-screen forms and fields, document management, and macros. Course prepares students to take the MOS (Microsoft Office Specialist certification) expert exam for MS Word.

**Prerequisite:** CIS S105 or placement test.

**CiOS S132A Word Processing Concepts and Applications****Part A**

1 credit (1+0)

Part A covers fundamental word processing concepts and hands-on practice with a current word processing application. Students use basic word processing tools to create a variety of professional documents.

**Prerequisite:** CIS S105 or placement test.

**CiOS S132B Word Processing Concepts and Applications****Part B**

2 credits (2+0)

Part B covers intermediate word processing features such as styles, outlines, tables, merging, linking, embedding, and table of contents; and advanced features such as templates, on-screen forms and fields, document management, and macros.

**Prerequisite:** CIOS S132A or placement test.

**CiOS S135 Using Spreadsheets in the Workplace**

1 credit (1+0)

Introduces the use of electronic spreadsheet software for reporting and analyzing information. Covers creating, designing, and modifying spreadsheets, simple formulas and charts.

**Prerequisite:** CIS S105 or placement test.

**CiOS S140 Using Databases in the Workplace**

1 credit (1+0)

Learn to use a database from the perspective of the data entry operator. Course covers table creation and the basic data types, form creation using wizards, elementary querying, filtering, and basic report generation.

**Prerequisite:** CIS S105 or CIS placement test.

**CiOS S151 Presentation Graphics Concepts and Applications**

1 credit (1+0)

Utilizes a computer presentation graphics program to organize and create professional presentations. Emphasis is placed on effective design strategies.

**Prerequisite:** CIS S105 or CIS placement test.

## Computer Info Systems (CIS)

**CIS S105 Computer Literacy**

3 credits (3+0)

Develop and enhance computer and technology literacy. Topics include file management, operating systems, troubleshooting hardware and software, online safety and security, digital citizenship, information literacy, and using current online communication tools and application software. Students will learn to create and edit files using word processors, presentation software, spreadsheets, and database applications.

**CIS S170 Programming Fundamentals**

3 credits (3+0)

Learn sound programming techniques using current software. Course teaches computing fundamentals, starting with the workings of simplified digital computers and elementary data structures and progressing to control flow, variables, objects, properties, methods. Includes an introduction to arrays, queues and stacks, and elementary algorithms based on those data structures.

**CIS S235 Spreadsheet Concepts and Applications**

3 credits (3+0)

Use of spreadsheet software as a problem-solving and decision-making tool. Covers creating, designing, and modifying spreadsheets, and working with formulas, functions, and charts. Introduces database principles, data analytics, and data visualization techniques.

**Prerequisite:** CIS S105 or CIS placement test, and BA S116 (C or better) or MATH 055 (C or better) or any higher level math.

**CIS S294 Practicum**

1 to 6 credits (0+0+ 4-24)

Provides a practicum or cooperative work experience supervised and evaluated by a faculty member and employer. Students will gain practical work experience while working in a private business or government agency.

**Prerequisite:** Instructor permission via an approval form.

**CIS S310 Management Information Systems**

3 credits (3+0)

Cross-listed as BA S310. Explores the role of information systems in various business contexts from a managerial perspective. Examines ways to improve business processes and decision-making through the use of information systems. Practical application of fundamental principles is emphasized.

**CIS S345 IT Infrastructure**

3 credits (3+0)

Computer and systems architecture, and communication networks emphasizing the services and capabilities that IT infrastructure solutions enable in an organizational context. Internet-based solutions, computer and network security, business continuity, and the role of infrastructure in regulatory compliance.

**CIS S371 Systems Analysis and Design**

3 credits (3+0)

Examines the processes, methods, techniques and tools used to analyze and design information systems. Includes the development of communication skills and techniques for determining business system requirements and conveying those requirements to developers. Students will examine and apply the Systems Development Life Cycle (SDLC), with a focus on analyzing, designing, developing, testing, and implementing functioning applications.

**Prerequisite:** CIS S170 or instructor permission.

**CIS S420 Information Security Management**

3 credits (3+0)

Covers fundamental principles and topics of information technology security and risk management at the organizational level. Students will learn critical security principles that enable them to plan, develop, and perform security tasks. Addresses hardware, software, processes, communications, applications, and policies and procedures with respect to organizational IT security and risk management.

**CIS S430 Database Management Systems**

3 credits (3+0)

Examines core database concepts, including identifying requirements and converting them into relational models, creating and normalizing tables, querying methods, and application development. Introduces database administration and security, and explores the role that databases play in decision support and business intelligence.

**Prerequisite:** CIS S235 or instructor permission.

## Construction Technology (CT)

**CT S100 Woodworking I**

3 credits (2+2)

Introduction to woodworking and woodworking equipment, wood project design and construction, and finishing products and procedures.

**CT S102 Introduction to the Construction Trades**

1 credit (1+0)

Provides a survey of the skills necessary to be successful in the construction industry. Students will learn basic employment expectations, refresh their construction math skills, learn how to read and interpret construction drawings, and practice communicating these concepts to coworkers, supervisors, and potential employers.

**CT S103 Construction Tools and Materials**

1 credit (1+0)

Introduces students to the proper use and care of common hand and power tools deployed in the construction industry. Students will develop the knowledge to select and safely operate the appropriate tool for various conditions, and maintain equipment in good working order. The course provides a broad overview of materials commonly encountered in light construction, including wood, lumber, engineered lumber products, and fasteners. Special attention will be given to safety guidelines for workers handling materials on the job site. Covers proper procedures and techniques to use when lifting, stacking, transporting, and unloading materials. Introduces basic motorized and non-motorized material-handling equipment commonly found in the construction environment.

**CT S104 Construction Safety: OSHA 10-Hour Certification**

1 credit (1+0)

Provides students with training on the recognition, avoidance, abatement, and prevention of hazards to health and safety in the construction industry. Students will discuss the most common cause of accidents in the construction workplace and the impact on the worker and employers. Reviews the roles of the worker, employer, and OSHA in creating a safe workplace. Provides information regarding workers' rights, employer responsibilities, and how to file a complaint. Students will receive an OSHA 10-Hour Card upon successful completion of the course. Pass/Fail grading.

**CT S119 Deck Building and Design**

2 credits (1.5+1)

Introduction to designing and building a residential deck. The two first weekends consist of planning, material estimating, and design instruction. The final weekend will be reserved for building a deck chosen from designs created during the previous sessions.

**CT S121 Light Wood Frame Construction**

1 credit (1+0)

Course provides a lecture based overview of residential light wood frame construction. Students will learn wood frame construction for typical residential floor, wall and roof structures and to identify and select appropriate materials and techniques for building in a cold maritime environment. Students will estimate material quantities; explore best building practices; review plans, specifications and code requirements. May be taken concurrently with CT S121L.

**Prerequisite:** CT S103 or concurrent enrollment.

**CT S121L Light Wood Frame Construction Lab**

2 credits (0+4)

Examines techniques for laying out, cutting and erecting wood floor, wall, and roof frame assemblies. Students will learn to select and use the correct tools and materials for each phase of the construction process. Class will typically meet on an off-campus project site or in the TEC construction lab.

**Prerequisite:** CT S103 and CT S121, or concurrent enrollment.

**CT S122 Residential Renovation, Retrofit and Repair**

3 credits (3+0)

An introductory course in residential renovation, energy retrofitting, and repair. Subjects will include sequences, considerations, and consequences of exterior and interior retrofits and repairs.

**CT S125 Introduction to Drywall**

2 credits (1+2)

Introduces the different types of gypsum drywall; uses, fastening, and finishing techniques.

**CT S127 Introduction to Residential Foundations**

1 credit (.5+1)

Examines several prevalent foundation systems for residential buildings. Students learn to build a foundation appropriate to soil and site conditions and techniques for cast-in-place concrete construction.

**Prerequisite:** CT S103 or concurrent enrollment.

**CT S135 Residential Wiring**

3 credits (2+2)

Hands-on class on the basic electrical requirements of the National Electric Code (NEC) and local codes as they apply to planning and installing circuits in a residential dwelling. Electrical codes and safety are emphasized along with wire sizes and wiring circuit drawings.

**CT S140 Residential Plumbing and Heating**

3 credits (2+2)

A hands-on introduction to residential plumbing and heating. Basic drain/waste/vent (DWV), cold and hot water supply systems and an overview of heating systems are covered. Includes up-to-date materials, code requirements, system requirements and design.

**CT S155 Woodworking II**

3 credits (2+2)

Special methods in wood construction and wood finishing, emphasizing furniture and precision woodcraft.

**Prerequisite:** CT S100.**CT S170 Residential Design, Codes and Standards**

3 credits (3+0)

Covers basic architectural drafting and residential design. Students will learn to read a set of house plans, complete a conceptual design for a house following current International Residential Codes, will understand standard building practices for a cold maritime climate, and will be aware of green building practices.

**CT S175 Introduction to AutoCAD**

3 credits (2+2)

An introduction to computer aided design and drafting using the industrial standard AutoCAD software. Includes the basics of computer hardware and software, computer skills required for creating and editing drawings.

**CT S181 Intermediate AutoCAD**

3 credits (2+2)

Develops intermediate level CADD (computer-aided design drafting) skills for architectural, civil, structural, mechanical and electrical drawings used in building construction.

**Prerequisite:** CT S175 or instructor permission.**CT S201 Residential Building Science**

3 credits (3+0)

An introduction to basic building science for residential construction. Topics include planning, material selection, and best practices for constructing a durable home in Alaska. Upon satisfactory completion, this course meets the prerequisite for the State of Alaska Contractor Residential Endorsement and also for 16 continuing education credits by the State of Alaska, Division of Occupation Licensing for General Contractors with Residential Endorsement.

**CT S212 Interior Finish Carpentry**

1 credit (1+0)

Study of interior finish carpentry materials and techniques. Topics include reviewing construction documents to determine types and quantities of drywall, flooring materials, and interior trim. Students will also review codes applicable to layout and construction of stairs, guardrails, and handrails.

**Prerequisite:** CT S103 or concurrent enrollment.**CT S212L Interior Finish Carpentry Lab**

2 credits (0+4)

This hands-on lab provides students with experience using materials, tools, and techniques for application of interior finishing in residential construction. Students will learn to lay out and assemble a stair carriage; install insulation, air barrier, and drywall; prepare and install flooring, pre-hung doors and lock sets, and apply interior trim.

**Prerequisite:** CT S103 and CT S212, or concurrent enrollment.**CT S213 Engineering Graphics**

3 credits (2+2)

Advanced application of mechanical, electrical, civil and structural graphic standards using AutoCAD. Orthographic projections, auxiliary views, sectional views, and dimensioning are included topics.

**Prerequisite:** CT S181.**CT S214 Exterior Finish Carpentry**

1 credit (1+0)

Students learn to read construction documents to determine type and quantities of materials for exterior finishes. Students also learn techniques, tool selection, and types of fasteners used for installing roofing material, weather barriers, exterior doors, windows, insulation, siding, and trim.

**Prerequisite:** CT S103 or concurrent enrollment.**CT S214L Exterior Finish Carpentry Lab**

2 credits (0+4)

Students will practice techniques for lay out, preparation, and installation of exterior finish assemblies including windows, doors, roofing, and siding. Students will learn to identify and use correct tools and materials for each assembly. Class will typically meet on an off-campus project site or in the TEC construction lab.

**Prerequisite:** CT S103 and CT S214, or concurrent enrollment.**CT S227 Residential Construction Planning and Estimating**

3 credits (3+0)

Overview of organizing, planning and estimating from construction drawings and specifications. A review of codes, materials, and construction methods to establish estimates of time and materials for on-site construction. An overview of construction contracts.

**CT S230 Residential Mechanical Ventilation**

3 credits (3+0)

Specifically designed to meet the needs of contractors and designers of new residential buildings to provide a comprehensive overview of the details involved in designing, installing, and commissioning residential ventilation systems. Heating, Refrigeration and Air Conditioning Institute of Canada, SkillTech Academy certification for Residential Ventilation Installation and 14 continuing education credits from the State of Alaska, Division of Occupational Licensing for General Contractors with a Residential Endorsement.

**CT S252 Construction Documentation**

3 credits (2+2)

Study and application of materials, methods, and codes of construction specifically related to wood structures. Development of details and a complete set of working drawings using AutoCad.

**Prerequisite:** CT S181 or concurrent enrollment.

**CT S260 Cabinet Construction**

2 credits (1+2)

Students will learn methods and materials used in cabinet construction. Topics include design, drawing, joinery, adhesives, and finishing. In conjunction with the theory of cabinetmaking, students will design and construct a cabinet to develop skills using wood shop power tools for producing a professional quality cabinet.

**Prerequisite:** CT S100.**CT S291 Internship****CT S291A Construction Technology Drafting Internship**

1-6 credits (0+0+ 4-24)

Supervised workplace experience in selected industry settings. Integrates knowledge and practice to strengthen basic level skills working as a drafting technician's assistant.

**Prerequisite:** CT S181 and program advisor approval.

## Diesel Technology (DESL)

**DESL S101 Introduction to Heavy Duty Mechanics**

3 credits (2+2)

This introductory course gives the student a look into the world of heavy duty mechanics. Students rebuild a diesel engine, operate heavy duty equipment, and take field trips to local shops. This course is limited to high school age students.

**DESL S102 Lubrication, Preventative Maintenance, and Inspections**

2 credits (1 + 2)

Prepares students to effectively perform visual inspections and preventative maintenance operations at different levels on machines. Also covers proper lubricants, fluids, and fittings. Types and uses of machines, proper tooling, basic mechanical systems, and safety are stressed. Introduction to various machine systems and adjustments are included.

**DESL S106 Diesel Engines Simplified**

3 credits (2.5+1.5)

Designed for the owner/operator of a diesel engine in a boat, pick-up, or other application, this course will familiarize students with diesel engine operation, maintenance, and minor repairs. At least half of each class period is spent working on real diesel engines in our well equipped lab. No tools or previous mechanical experience is needed. Learn to be comfortable owning or operating your diesel engine. Pass/Fail grading.

**DESL S107 Diesel Fuel Systems**

4 credits (3+2)

Diesel injection systems will be covered in detail including mechanical pumps and injectors through current electronic common rail fuel systems. Diesel emission control systems and diesel intake air systems will also be covered. Introduction to essential electronic theory including use of scan tools in the diagnostic process combined with use of Internet-based service information systems.

**Prerequisite:** DESL S121 or AUTO S121 or instructor permission.**DESL S110 Diesel Engines**

6 credits (2.5+7)

This course covers all aspects of diesel engines that are used in modern heavy equipment including marine, truck and stationary applications. Troubleshooting, repair, parts reuse, and engine rebuilding are included. One full day each week is spent in the lab rebuilding a diesel engine. Students can bring their own diesel engine to rebuild with the permission of the instructor.

**DESL S121 Basic Electrical Systems**

3 credits (2 + 2)

Covers history and origins of electrical theory through the generation of electricity. Includes diagnosis, minor repair and general service of alternators, starters and batteries.

**DESL S125 Basic Hydraulics**

3 credits (2.5+1)

Basic laws governing hydraulic design, layout and application. Introduction to components to include: disassembly and reassembly of pumps, motors, control valves and cylinders. Understanding of hoses, pipe fittings, seals and gaskets.

**DESL S130 Refrigeration and Air Conditioning**

2 credits (1+2)

This class will cover application, system operations, maintenance and safety principals of refrigeration. Students will learn about components making up a refrigerant. Troubleshooting and avoiding common problems included.

**DESL S131 Electrical II**

3 credits (2+2)

Theory, diagnosis, and repair of automotive electrical systems, to include testing tools, schematics, and computers.

**Prerequisite:** DESL S121 or concurrent enrollment.**DESL S140 Construction Drawing Interpretation**

3 credits (3+0)

Students will learn to read all aspects of construction drawings including but not limited to: site and floor plans, elevation, electrical and mechanical drawings. Details within construction drawings will be covered extensively such as scale and scales, exploded drawings, dimensions, lines, notes and symbols. An introduction to computer-aided drafting (CAD) will also be taught.

**DESL S141 Precision Measuring Tools**

2 credits (1+2)

Provides the fundamentals for using precision measuring tools such as micrometers and dial indicators, as well as lasers used in leveling and alignment. Also covers the use of testing instruments including digital multimeters, tachometers, with an introduction to thermal imaging.

**DESL S142 Piping Systems**

3 credits (2+2)

Pipe types and piping systems identification are taught. Safety around high pressure systems is stressed. Installation and repair of pipe components including pumps, valves, gaskets, seals, and coupling systems will be covered. Basic pipe layout and routing will be practiced.

**DESL S143 Industrial Rigging Principles**

2 credits (1+2)

Learn the industrial skills needed for safely lifting and moving heavy objects and equipment of different shapes, sizes and weights. The different tools and equipment needed to perform this type of work safely will be taught in theory and practice.

**DESL S144 Conveyor and Drive Systems**

3 credits (2+2)

Covers all aspects of mounting and installing drive and driven equipment and machines: location and setting of baseplates, prealignment and mounting of the equipment, installing and adjusting of the different types of drive coupling systems, and final adjustment and alignment. Conveyor belt systems will also be covered with an emphasis on conveyor safety. The student will learn the uses, installation, adjustment and maintenance of the different types of conveyor systems.

**DESL S180 AC Power Generation**

3 credits (2+2)

Study of AC power generation methods used in marine and industrial applications. The interface of diesel engines to power generation is strongly emphasized. Covers AC generation theory, safety, regulation, installation, troubleshooting, and repair of the types of units commonly used in Southeast Alaska.

**Prerequisite:** AUTO S121/DESL S121.

**DESL S225 Advanced Hydraulics**

3 credits (2+2)

Advanced hydraulics systems incorporating variable displacement pumps, proportional control valves, hydraulic load sensing systems, and hydrostatic power trains. Schematic interpretation, testing, and adjusting of hydraulic and electronic controls are emphasized. Course includes classroom and hands-on labs.

**Prerequisite:** DESL S125 or concurrent enrollment.

**DESL S250 Heavy Duty Brakes and CDL Preparation**

2 credits (1+2)

An in-depth study of the various types of braking systems used in current trucks and heavy equipment applications. This course also prepares the student to take the State of Alaska Commercial Driver's License (CDL) "class B" written exam and obtain a 2-year CDL temporary learner's permit.

**DESL S255 Heavy Duty Suspension and Alignment**

2 credits (1+2)

A thorough study of heavy equipment frames and suspension systems and their components. Adjustments, repairs and cautions along with tire and track alignments.

**DESL S260 Heavy Duty Power Trains**

3 credits (1+4)

Basic operation and repair of heavy equipment components from the flywheel to the wheels or tracks: clutches, transmissions, transfer cases, differentials, multi-speed rear ends, and final drives.

**DESL S261 Marine Auxiliary Systems**

3 credits (3+0)

Mechanical and electrical systems on pleasure and commercial vessels. Includes engine installation, shaft alignment, propeller calculation, fuel and water systems, and other marine system design and installation. Should be taken concurrently with DESL S262.

**DESL S262 Marine Auxiliary Systems Lab**

2 credits (0+4)

Supplements DESL S261 with specific exercises. Engine, shaft and propeller, exhaust, electrical and other systems are designed, installed and tested. Should be taken concurrently with DESL S261.

**DESL S263 Marine Transmissions**

3 credits (1+4)

A study in the operation, maintenance and repair of marine transmissions and other shipboard gearing units like winches and stern drives.

**DESL S291 Internship:**

## ED: Educational Technology (EDET)

**EDET S628 Technology in Instructional Design**

3 credits (3+0)

Course builds on basic computing skills and their use within current educational practice of meaningful integration of technology into the classroom environment. Students will create a standards-based instructional unit modeling appropriate uses of technology to support learning, develop a variety of techniques to use technology to assess student learning of subject matter, and research best practices related to applying appropriate technology resources to enable and empower learners with diverse backgrounds, characteristics, and abilities.

**EDET S632 Classroom Internet Integration**

3 credits (2+2)

Focuses on the integration of online communication opportunities and strategies in teaching. Topics include electronic mail, assistive technology, web page design, computer conferencing, and emerging technologies. Students create a classroom-based project integrating online communication tools. Requires access to Internet, e-mail, word processing, gif and jpeg graphics, and web authoring. Additional lab hours required.

**Prerequisite:** EDET S628 and current teaching certificate, or instructor permission.

**EDET S636 The Impact of Technology on Student Learning**

3 credits (3+0)

Techniques, tools, and strategies for predicting and assessing the effectiveness of technology tools and interventions on student learning. Access to a classroom for at least two days per week for three weeks is required in order to complete the portfolio assignment. Requires reliable Internet and ability to download software applications for evaluation.

**EDET S637 Differentiating Instruction Through Technology**

3 credits (3+0)

Focuses on the use of technology as a tool to gauge and facilitate the needs and interests of diverse learners in the classroom.

**Prerequisite:** EDET S628 or instructor permission.

**EDET S668 Educational Technology Leadership**

3 credits (3+0)

Provides a reflective overview of issues relating to school leadership policy and practice in the field of educational technology. Encompasses the wide range of responsibilities of the school technology leader as a collaborative member of a leadership team. Topics include organizational change, decision making, community partnerships, legal and ethical issues, coaching and mentoring, and teamwork. A web-based course; requires Internet and e-mail.

**EDET S673 Ethics in Educational Technology**

3 credits (3+0)

Exploration of ethical dilemmas related to privacy, internet safety, intellectual property, new media, and relevant trends that impact educational computing policy.

**EDET S674 Virtual Teaching and Learning**

3 credits (3+0)

Design and implementation of effective online environments and the integration of digital technology into classroom and professional practice. Students will develop their content knowledge in digital technologies for online communication and professional development. They will organize and manage digital information, prepare and conduct lessons for online consumption, and evaluate the effectiveness of these lessons.

**Prerequisite:** EDET S628 and admission to a UAS educational technology program, or instructor permission.

**EDET S677 Mechanical Applications of Technology**

3 credits (3+0)

Students gain basic and intermediate programming skills for the purpose of manipulating robotics, drones, and wearable technology.

**EDET S678 Emerging Technologies**

3 credits (3+0)

Explores trends on the horizon for educational technology and learning which are expected to be implemented into the K-12 classroom within the next ten years.

**EDET S679 Gamification and Open Education**

3 credits (3+0)

Provides students with a foundation in game theory and design. Students create technology-based game for use in a K-12 open classroom experience. Students facilitate this experience and create a report of the impact of the experience on student learning for dissemination.

**EDET S694 Practicum in Virtual Teaching and Learning**

3 credits (1+0+8)

one semester experience in which the candidate instructs an online course with supervision.

**EDET S698 Master's Research Project or Portfolio**

1-3 credits (0+0+4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (SOE). Portfolio criteria should be obtained from the SOE or the graduate advisor. The student's graduate committee may require an oral defense of either option.

**Prerequisite:** Permission of graduate advisor and instructor required.

**ED: Special Education (EDSE)****EDSE S293 ST:****EDSE S405 Early Childhood Special Education**

3 credits (3+0)

Typical and atypical human growth and development in early childhood; family systems and the role of families in supporting development; effects of cultural and linguistic differences on growth and development; cultural perspectives influencing relationships among families, schools, and communities; development and implementation of Individual Family Services Plans and Individual Education Programs for young children with exceptional learning needs. EDSE S405/ EDSE S605 may be stacked.

**EDSE S410 Assessing Students with Disabilities**

3 credits (3+0)

Use of assessment information in making eligibility, program, and placement decisions for individuals with exceptional learning needs, including those from culturally and/or linguistically diverse backgrounds; basic terminology used in assessment; administration and interpretation of nonbiased formal and informal assessments; screening, pre-referral, referral, and classification procedures; use and limitations of assessment instruments.

**Prerequisite:** EDSE S482 or concurrent enrollment.

**EDSE S412 Curriculum and Strategies: Low incidence**

3 credits (3+0)

Evidence-based strategies to individualize instruction for students with low-incidence disabilities; the development and implementation of Individualized Education Programs for students with intensive needs. Emphasizes functional academics and self-help skills.

**Prerequisite:** EDSE S410.

**EDSE S422 Curriculum and Strategies: High Incidence**

3 credit (3+0)

Evidence-based strategies to individualize instruction for students with high-incidence disabilities; the development and implementation of Individualized Education Programs for students with mild to moderate disabilities. Emphasizes access to the general curriculum.

**Prerequisite:** EDSE S410.

**EDSE S482 Inclusive Education for Students with Disabilities**

3 credits (3+0)

Models, theories, laws, and philosophies that form the basis for special education practice. Characteristics and educational implications of various exceptionalities; models of consultation and collaboration between general and special educators; strategies for supporting students with exceptional learning needs in inclusive settings.

**EDSE S483 Language and Literacy: Assessment and Intervention**

3 credits (3+0)

Use of assessment information in designing language and literacy instruction for individuals with exceptional learning needs, including those from culturally and/or linguistically diverse backgrounds; evidence-based strategies to teach accuracy, fluency, and comprehension in content area reading and written language; alternative and augmentative communication systems.

**Prerequisite:** EDSE S482.

**EDSE S485 Transition Planning for Secondary Students**

3 credits (3+0)

Concepts, strategies, and issues involved with supporting secondary students with exceptional learning needs as they transition from high school to other educational, vocational, residential, and/or community contexts. Emphasizes the development and implementation of the transition components of the Individualized Education Program.

**EDSE S486 Special Education in the Alaskan Context**

3 credits (3+0)

Major ideas related to increased cultural understanding, decolonization in the field of special education, and an indigenous perspective on disability studies. An in-depth study and exploration of the ways in which special education is delivered across the state of Alaska, highlighting promising practices and areas for growth.

**Prerequisite:** EDSE S482 or EDSE S682 or concurrent enrollment.

**EDSE S487 Supporting Student Engagement**

3 credits (3+0)

Provides teacher candidates with a set of practices to promote optimal student engagement. Major concepts include trauma informed practice, social and emotional interventions, and the development of individualized intervention plans for K-12 learners with more challenging behavioral profiles. Special attention is paid to the family system, the school setting, and research from a wide variety of intervention orientations.

**Prerequisite:** EDSE S482 or EDSE S682 or concurrent enrollment.

**EDSE S492 Seminar: Special Education****EDSE S494 Special Education Practicum**

3 credits (1+0+8)

Field-based experiences in diverse school settings and affiliated programs designing and implementing instruction for individuals with exceptional learning needs under the guidance of experienced special educators and university faculty.

**Prerequisite:** Departmental approval.

**EDSE S495 Professional and Ethical Practice**

3 credits (3+0)

Candidates use the Council for Exceptional Children (CEC) Special Education Standards, UAS School of Education Goals, InTASC standards, and Alaska Teacher Standards to engage in systematic reflection on their work with individuals with exceptional learning needs. Offers a deeper understanding of the Individuals with Disabilities Education Act (IDEA) and the impact of major legislation governing the provisions of special education services (e.g. IEP, FAPE, LRE, etc.).

**EDSE S605 Early Childhood Special Education**

3 credits (3+0)

Typical and atypical human growth and development in early childhood; family systems and the role of families in supporting development; effects of cultural and linguistic differences on growth and development; cultural perspectives influencing relationships among families, schools, and communities; development and implementation of Individual Family Services Plans and Individual Education Programs for young children with exceptional learning needs. Requires Internet access.

**EDSE S609 Classroom Management and Child Guidance in ECE**

3 credits (2+2)

Cross-listed as ECE S609. Guidance and management practices based on multiple aspects of typical and atypical child development; current research and theories of child development; using developmentally effective approaches to connect with children and families; techniques to support trust-building and promote healthy, respectful, supportive, and challenging learning environments for young children with and without exceptional learning needs. 25 hours of field experience may be required.

**EDSE S610 Assessment of Students with Disabilities**

3 credits (3+0)

Use of assessment information in making eligibility, program, and placement decisions for individuals with exceptional learning needs, including those from culturally and/or linguistically diverse backgrounds; basic terminology used in assessment; administration, and interpretation of nonbiased formal and informal assessments; screening, pre-referral, referral, and classification procedures; use and limitations of assessment instruments. Requires Internet access.

**EDSE S612 Curriculum and Strategies: Low Incidence**

3 credits (3+0)

Evidence-based strategies to individualize instruction for students with low incidence disabilities; the development and implementation of Individual Education Programs for students with intensive needs. Emphasizes functional academics and self-help skills. Requires Internet access.

**Prerequisite:** EDSE S610 (C or better).

**EDSE S622 Curriculum and Strategies: High Incidence**

3 credits (3+0)

Evidence-based strategies to individualize instruction for students with high incidence disabilities; the development and implementation of Individual Education Programs for students with mild to moderate disabilities. Emphasizes access to the general curriculum. Requires Internet access.

**Prerequisite:** EDSE S610 (C or better).

**EDSE S666 Special Education: The Process and Law**

2 credits (2+0)

Provides students with a history of special education litigation and legislation. Offers a deeper understanding of the Individuals with Disabilities Education Act (IDEA) and the major legislation governing the provisions of special education services. Federal statutes and regulations concerning assessment and evaluation procedures as well as procedural knowledge (e.g. IEP, FAPE, LRE, etc.) are included.

**EDSE S677 Language & Literacy: Assessment & Intervention**

3 credits (3+0)

Use of assessment information in designing language and literacy instruction for individuals with exceptional learning needs, including those from culturally and/or linguistically diverse backgrounds; evidence-based strategies to teach accuracy, fluency, and comprehension in content area reading and written language; alternative and augmentative communication systems. Requires Internet access.

**EDSE S682 Inclusive Education for Students with Disabilities**

3 credits (3+0)

Models, theories, laws, and philosophies that form the basis for special education practice. Characteristics and educational implications of various exceptionalities. Models of consultation and collaboration between general and special educators; strategies for supporting students with exceptional learning needs in inclusive settings. Requires Internet access.

**EDSE S685 Transition Planning for Secondary Students**

3 credits (3+0)

Concepts, strategies, and issues involved with supporting secondary students with exceptional learning needs as they transition from high school to other educational, vocational, residential, and/or community contexts. Emphasizes the development and implementation of the transition components of the Individual Education Program. Requires Internet access.

**EDSE S694 Special Education Practicum**

3 credits (1+0+8)

Field-based experiences in diverse school settings and affiliated programs designing and implementing instruction for individuals with exceptional learning needs under the guidance of experienced special educators and university faculty.

**Prerequisite:** Departmental approval.**EDSE S695 Professional and Ethical Practice**

3 credits (3+0)

Candidates use the Exceptional Children (CEC) Special Education Standards, UAS School of Education Goals, Interstate Teacher Assessment and Support Consortium (InTASC) standards, and Alaska Teacher Standards to engage in systematic reflection on their work with individuals with exceptional learning needs. Offers a deeper understanding of the Individuals with Disabilities Education Act (IDEA) and the impact of major legislation governing the provisions of special education services (e.g. IEP, FAPE, LRE).

**EDSE S698 Master's Research Project or Portfolio**

1-3 credits (0+0+ 4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (SOE). Portfolio criteria should be obtained from the SOE or the graduate advisor. The student's graduate committee may require an oral defense of either option.

**Prerequisite:** Permission of graduate advisor and instructor required.

## Early Childhood Education (ECE)

**ECE S420 Developing Literacy in the Early Years**

3 credits (2+2)

Developmentally appropriate procedures for facilitating young children's explorations of reading and writing. Integrating written language experiences with oral language development. 25 hours lab required.

**Prerequisite:** WRTG S211 or equivalent.**ECE S609 Classroom Management and Child Guidance in ECE**

3 credits (2+2)

Cross-listed as EDSE S609. Guidance and management practices based on multiple aspects of typical and atypical child development; current research and theories of child development; using developmentally effective approaches to connect with children and families; techniques to support trust building and promote healthy, respectful, supportive, and challenging learning environments for young children with and without exceptional learning needs. 25 hours lab required. Grade of B or better required for degree program.

**ECE S661 Literacy and Young Children**

3 credits (2+2)

Developmentally appropriate procedures to facilitate young children's explorations in reading and writing. Integrating written language experiences with oral language development during preschool and primary grade years. Additional 25 hours lab required. Successful course completion with a grade of B (3.00) or better required for degree program.

## Economics (ECON)

**ECON S100 \*Political Economy**

3 credits (3+0)

GER. Introduction to the field of economics, including the history of economic thought and economics as a field of analysis.

**Prerequisite:** WRTG S110 or higher.**ECON S201 \*Principles of Macroeconomics**

3 credits (3+0)

GER. Provides an introduction to aggregate economic activity. Topics include GDP, inflation, unemployment, monetary and fiscal policy, and economic growth. Particular attention is paid to models addressing macroeconomic equilibrium and the business cycle. Students planning to take both semesters of economic principles are advised but not required to take ECON S202 first.

**Prerequisite:** MATH S105 or concurrent enrollment.**ECON S202 \*Principles of Microeconomics**

3 credits (3+0)

GER. Presents the tools and concepts needed for analysis of economic decision-making at the level of the individual (consumer, firm, government), and explores how those decisions affect market outcomes such as prices and output. International trade will also be explored. Students planning to take both semesters of economic principles are advised but not required to take ECON S202 first.

**Prerequisite:** MATH S105 or concurrent enrollment.

**ECON S321 Intermediate Microeconomic Theory**

3 credits (3+0)

Analysis of demand and supply under various market structures; theory of production and cost; factor pricing and theory of distribution; and survey of welfare economics.

**Prerequisite:** ECON S201 and ECON S202.

**ECON S324 Intermediate Macroeconomic Theory**

3 credits (3+0)

Concepts and measurements of national income; analysis of aggregate demand and supply and their relationship to prices, employment, and growth.

**Prerequisite:** ECON S201 and ECON S202.

**ECON S350 Money and Banking**

3 credits (3+0)

The liquid wealth system in the United States, to include the commercial banking system, the Federal Reserve and nonbank financial institutions; the regulations of money and credit and its impact on macroeconomic policy objectives.

**ECON S375 Current Issues in Economics: Selected Topics**

3 credits (3+0)

Covers contemporary topics related to the field of economics. Subjects may focus on areas such as financial crises, labor issues, and ecological economics. May be repeated for credit when content varies.

**ECON S391 Internship:****ECON S398 Individual Research**

1-3 credits (0+0+ 4-12)

**ECON S412 Introduction to Econometrics**

4 credits (3+2)

Application of statistical methods in testing economic theories and estimating economic relationships; emphasizes multiple regression analysis. Two hours per week computer lab required.

**Prerequisite:** ECON S202.

**ECON S435 Natural Resource/ Environmental Economics**

3 credits (3+0)

Economic analysis of resource uses and development. Topics include economics of renewable resources, forestry, and fisheries; environmental economics, and public resource management. Examples are presented of Alaska resource development and management experience.

**Prerequisite:** ECON S202.

**ECON S463 International Economics**

3 credits (3+0)

Pure theory of international trade; comparative cost; terms of trade; factor movements; international disequilibrium; balance of payments and its impact on the national economy, capital movements, economic development through international trade.

**Prerequisite:** ECON S201 and ECON S202.

**ECON S491 Internship:****ECON S498 Research in Economics**

## Educ: Mathematics Education (EDMA)

**EDMA S608 Mathematical Problem Solving for K-8 Teachers**

3 credits (3+0)

Examines underlying concepts of solving problems using mathematical models, logic, and concepts. Identifies problem solving strategies appropriate to K-8 classrooms. Provides practice developing research and standards based instruction and assessment plans that support an integrated, problem based curriculum.

**Prerequisite:** Current teaching certificate, admission to the Mathematics Education Endorsement program, or permission.

**EDMA S614 Numeration and Operations: Mathematics for K-8 Teachers**

3 credits (3+0)

Provides K-8 teachers with the content to understand numbers, how they are represented, and the relationships between and among numbers, number systems, and basic operations. Emphasizes standards and research based practices for helping K-8 students construct efficient computational skills. Provides practice developing instruction and assessment plans that integrate number sense, estimation strategies, and efficient computational skills into a problem based curriculum.

**Prerequisite:** Current teaching certificate, or admission to the Mathematics Education Endorsement program, or instructor permission.

**EDMA S654 Algebra and Functions: Content and Pedagogy for K-8 Teachers**

3 credits (3+0)

Provides K-8 teachers with the underlying principles and concepts of algebra and functions. Emphasizes building algebraic thinking through an examination of patterns, relationships, and functions; with practice developing multiple representations of functions using tables, graphs, and verbal rules. Examines current instructional and assessment practices in mathematics that are research and standard based, and lead to algebraic reasoning for K-8 students.

**Prerequisite:** EDMA S614.

**EDMA S655 Geometry and Measurement: Content and Pedagogy for K-8 Teachers**

3 credits (3+0)

Provides K-8 teachers with the underlying principles of geometric and spatial sense and the levels of geometric learning, with practice developing a variety of physical models, manipulatives, and software for K-8 classrooms. Examines current instructional and assessment practices that are research and standards based, and lead to visualization and spatial reasoning for K-8 students.

**Prerequisite:** EDMA S614.

### **EDMA S656 Data Analysis, Statistics, and Probability: Content and Pedagogy for K-8 Teachers**

3 credits (3+0)

Provides K-8 teachers with the basic concepts of data analysis, statistics, and probability, with practice using descriptive and inferential statistics to analyze data and make predictions and decisions. Examines current research and standards based instructional and assessment practices in the areas of collecting, displaying, and analyzing data, and experimental and theoretical probability that lead to data analysis, inferential reasoning, and real world applications for K-8 students.

**Prerequisite:** EDMA S614.

### **EDMA S657 Calculus and Trigonometry: Content and Pedagogy for K-8 Teachers**

3 credits (3+0)

Examines the underlying concepts of calculus and trigonometry connected to the mathematical concepts in the typical K-8 math curriculum. Emphasizes current instructional and assessment practices in mathematics that are research and standards based and promote student understanding of the basic concepts on which trigonometry and calculus are founded.

**Prerequisite:** EDMA S614.

### **EDMA S658 Technology for Teaching and Learning Mathematics**

3 credits (3+0)

Teachers gain the knowledge and skills to apply technology to help students understand mathematics content. Applications include visual manipulatives, calculators, spreadsheets, software tutors, web applications, modeling software, and GPS. Emphasizes how technology helps meet local, state, and national standards for mathematics. Provides practice instruction and assessment to integrate technology into a problem-based constructivist mathematics curriculum.

**Prerequisite:** Admission to a graduate program in the Alaska College of Education.

### **EDMA S698 Master's Research Project or Portfolio**

1-3 credits (0+0+4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (S. Portfolio criteria should be obtained from the SOE or the graduate advisor. The student's graduate committee may require an oral defense of either option.

**Prerequisite:** Permission of graduate advisor and instructor required.

## **Educ: Reading Specialist (EDRE)**

### **EDRE S671 Language, Reading and Culture**

3 credits (3+0)

Core emphasis is the research on sociolinguistics as it relates to reading. Focus is on language acquisition, dialect, and home and community influences. The history and philosophy of reading are also course components.

**Prerequisite:** Admission to M.Ed. Reading program or permission.

### **EDRE S674 Developing Reading, ECE-12**

3 credits (3+1)

The reading process, emergent literacy and models for teaching reading are central themes in this course. Content includes theories of language development, research on language, cognition, and language systems as they relate to reading. Practicum work required in following term.

**Prerequisite:** EDRE S671 and admission to M.Ed. Reading program, or permission.

### **EDRE S675 Reading and Cognition**

3 credits (3+0)

Third course in a sequence focused on the theories and processes of reading. Emphasizes the connection between thinking and reading, and between the process of reading, writing, listening, speaking, and viewing. Examines the social and emotional aspects of reading and the ways people respond to written text.

**Prerequisite:** EDRE S674.

### **EDRE S678 Literature and Reading: Supporting Readers at All Levels**

3 credits (3+0)

Participants read, analyze and design ways to use a wide variety of literature to support readers at all levels. Includes literary analysis; studies in genre, multicultural and Alaskan literature; Alaska Standards for Culturally Responsive Schools; fostering appreciation and response to literature and motivating readers at all levels.

### **EDRE S679 Reading and Literacy in the Content Areas**

3 credits (3+0)

Covers strategies that support literacy in the content areas and disciplines. Also focuses on the interrelated processes of writing, reading, listening and speaking in literacy development. Includes the use of technology as a tool to enhance content area literacy. Explores the role of teacher as researcher.

### **EDRE S680 Reading Instruction and Assessment I**

6 credits (4+4)

Focuses on teaching reading and writing using a variety of reading, writing and study strategies and proven, effective practices for a broad range of students, including those with special needs. Topics include reading comprehension, word identification, vocabulary, spelling, study skills, and the writing process, including planning and mechanics. The Alaska Standards for English/Language Arts and the assessment of reading and writing skills and proficiencies are emphasized. Students will teach their own students how to improve their reading and writing, and will develop and implement a classroom-based comprehensive reading program they will share as a model for a school program.

**Prerequisite:** EDRE S675.

### **EDRE S681 Reading Instruction and Assessment II**

3 credits (3+0)

Assessment of reading, with a specific focus on the reading behaviors of individual students, and effective practices associated with developing those students' skills. Emphasis is on understanding reading difficulties, the analysis and use of reading assessments, the development of individual instructional plans, and communication of meaningful data to multiple audiences. Students will utilize multiple models of reading, and focus on those that contribute to variations in reading ability.

**Prerequisite:** EDRE S680.

**EDRE S696 Reading Teacher As Leader**

3 credits (2+2)

A capstone course to display and increase the reading professional's knowledge base, particularly related to reading instruction for culturally and linguistically diverse students. Leadership skills emphasize teachers as active members of learning communities, with collaborative and integrative skills needed in complex organizations. They bring specialized knowledge to colleagues and lay persons, and help translate it into concrete applications that improve student learning. Topics include identifying, implementing and supporting effective instruction for diverse students; collaboration and communication with all stakeholders; and professional development and support for those working with diverse students. Practicum required.

**Prerequisite:** ED S680.**EDRE S698 Master's Research Project or Portfolio**

1-3 credits (0+0+4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (SOE). Portfolio criteria should be obtained from the SOE or the graduate advisor.

**Prerequisite:** Permission of graduate advisor and instructor required.

## Educ: Science Education (EDST)

**EDST S601 Physics Content for K-8 Teachers**

3 credits (2+2)

Part One of a two-semester sequence examines the fundamental concepts of physical science with focus on physics. Instruction will model appropriate teaching practices for the K-8 classroom. Course utilizes web-based texts, simulations, virtual labs, materials sent by instructor to students in kit form, as well as typical household materials.

**Prerequisite:** Current elementary teaching certificate.**EDST S602 Chemistry Content for K-8 Teachers**

3 credits (2+2)

Part Two of a two-semester sequence examines the fundamental concepts of physical science with focus on chemistry. Instruction will model appropriate teaching practices for the K-8 classroom. Course utilizes web-based texts, simulations, virtual labs; materials sent by instructor to students in kit form, as well as typical household materials.

**Prerequisite:** EDST S601.**EDST S603 Earth and Space Science Content for K-8 Teachers**

3 credits (2+2)

Examines the fundamental concepts of earth and space science. Instruction will model appropriate teaching practices for the K-8 classroom. Course utilizes web-based texts, simulations, and virtual labs; materials sent by to students in kit form, as well as typical household materials.

**Prerequisite:** EDST S602.**EDST S604 Life Science Content for K-8 Teachers**

3 credits (2+2)

Examines the fundamental concepts of life science. Instruction will model appropriate teaching practices for K-8 classroom. Course utilizes web-based texts, simulations, virtual labs, materials sent by instructor to students in kit form, as well as items from the local environment.

**Prerequisite:** EDST S603.**EDST S605 Great Ideas in Science**

3 credits (2+2)

Examines the greatest ideas and notions in science. Instruction will model appropriate teaching practices for the K-8 classroom. Course utilizes web-based texts, simulations, and virtual labs.

**Prerequisite:** EDST S604.**EDST S675 Selected Topics in STEM**

3 credits (2+2)

Affords examination of a selected topic or problem in the STEM fields (Science, Technology, Engineering, and Mathematics).

Topics and content will vary as STEM issues are updated. This course will be required for the M.Ed. programs in Mathematics Education, Technology Education, and Science Education.

**Prerequisite:** Current elementary teaching certificate.**EDST S698 Master's Research Project or Portfolio**

1-3 credits (0+0+ 4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (SOE). Portfolio criteria should be obtained from the SOE or the graduate advisor. The student's graduate committee may require an oral defense of either option.

**Prerequisite:** Permission of graduate advisor and instructor required.

## Education (ED)

**ED S122 Introduction to Education**

3 credits (3+0)

A general introduction to careers in Pre-to-12th grade education in Alaska and the nation. Topics include motivations for becoming an educator, personal learning styles, values, beliefs, and ethics as they relate to teaching, human development and developmentally appropriate practice, educational careers and professional organizations, teacher certification requirements, diversity issues, historical perspectives, laws and policies governing education at local, state, and federal levels, rural and urban schooling, school curricula, and effective teaching.

**ED S222 Orientation to the Teaching Profession**

3 credits (2+2)

An orientation to the teaching profession, including teacher training, employment opportunities, professional growth, education philosophy and teaching effectiveness. Introduction to issues confronting educators: integrating special needs students, selection of appropriate teaching materials, curriculum and lesson planning, and constructive teacher-student interaction. Students will need to successfully complete a 25-hour practicum in a public school setting.

**ED S230 Introduction to Educational Technology**

3 credits (2+2)

Provides an overview of applied technology in K-12 education. Topics include the use of tool software, telecommunications, computer-assisted instruction, and multimedia in the classroom. Also addresses classroom management technology. Concepts learned in class will be applied in practice. Requires computer with Internet, and access to digital camera and scanner.

**ED S302 Foundations of Literacy and Language Development**

3 credits (3+0)

Explores how children learn language, similarities and differences between first and second language acquisition, how culture influences language and literacy development, and how language is taught. Course tracks language acquisition from birth through the school years.

**Prerequisite:** Passing scores on Praxis Core Academic Skills for Educators (CASE), or passing scores on DEED approved Basic Competency Exams (BCE).

**ED S304 Literature for Children and Young Adults**

3 credits (3+0)

A teacher's introduction to the study of children's and young adult literature. Basic genres of children's and young adult books, the history and philosophy behind the use of literature, and activities with students in response to literature. Course is delivered through a combination of weekly audio conference, video, readings, and individual and group activities. Addresses Alaska Teacher Standard four with respect to content knowledge of literature.

**ED S320A Art in the K-8 Curriculum**

1 credit (1+0)

Introduction to current philosophies of art education for elementary and middle-school students. Skills and techniques needed for teachers to provide effective art programs.

**ED S320B Physical Education in the K-8 Curriculum**

1 credit (1+0)

Introduction to current philosophies in physical education for elementary and middle-school students. Skills and techniques needed by elementary school teachers to provide a sound physical education program.

**ED S320C Music in the K-8 Curriculum**

1 credit (1+0)

Introduction to the current theories of music instruction. Skills and techniques needed by elementary and middle-school teachers to provide an effective music program.

**ED S320D Drama in the K-8 Curriculum**

1 credit (1+0)

Principles, methods and materials of drama at the elementary and middle-school levels. A wide variety of creative activities basic to curricula is explored. Includes the use of drama in standards-based curriculum planning and assessment for a diverse student population.

**ED S320E Health in the K-8 Curriculum**

1 credit (1+0)

Introduction to current philosophies and practices in health education for elementary and middle-school students. Knowledge and skills needed for teachers to provide effective health education.

**ED S333 The Learner and the Learning Process**

3 credits (3+0)

Study learning theories by examining accounts from educational psychology and the original writings of leading learning theorists. Special emphasis is placed on the curricular, instructional, and assessment practices that are promoted by these different learning theories.

**ED S380 Multicultural Education**

3 credits (3+0)

Investigation of the major concepts and issues in multicultural education with emphasis on the dimensions of content integration, knowledge construction, prejudice reduction, equity pedagogy, and empowering school culture. Includes issues regarding the education of Alaska Natives with attention to cultural standards.

**ED S405 Children's Literature in the Alaska Context**

3 credits (3+0)

Introduces teachers to the study of children's and young adult literature using materials set in Alaska. Addresses literary, informational and artistic elements; indigenous stories; evaluating and selecting quality K-8 literature; and response to literature. Students will read a wide selection of materials, and practice a variety of activities for use in the K-8 classroom. Students need access to children's books through a local library, interlibrary loan, or bookstore. Students will work in a school, library, or other children's program to complete assignments.

**ED S416 Teaching Literacy in the K-8 Curriculum**

4 credits (3+2)

Developmentally appropriate methods for guiding students' development of literacy skills K-8, as outlined in national, state, and local standards. Development of literacy skills and strategies within the context of developing the written language, thinking processes, and appropriate assessment integral to teaching. Integration of subject areas and technology to enhance literacy.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S417 Teaching Social Studies in the K-8 Curriculum**

2 credits (2+0)

Inquiry approach to the themes of social studies and the methods of eliciting thinking and knowledge development. Creating curricular units based on standards. Integration of subject areas and technology to enhance learning.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S427 Teaching Math in the K-8 Curriculum**

3 credits (2+2)

Methods of teaching math. Reading processes in mathematics, and methods to foster student understanding of the major concepts and procedures of mathematical topics as outlined in national, state, and local standards. Teaching to diverse populations and accommodating all students. Integration of subject areas and technology to enhance learning.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S428 Teaching Science in the K-8 Curriculum**

2 credits (2+0)

Methods of teaching science. Inquiry processes in science, foster understanding of fundamental concepts in physical, life, earth and space science, and science process. Teaching to diverse populations and accommodating all students. Integration of subject areas and technology to enhance the learning.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S448 Classroom Management in K-8 Classrooms**

3 credits (3+0)

Planning and organizing a classroom environment to maximize intellectual and social development. Topics covered include: integrated curriculum planning for relevance to student experience and interests, discipline approaches that enhance self-esteem and self-discipline, assisting special needs students within the regular classroom, logistics of physical group management, and recordkeeping systems, including computerized approaches.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S452 Student Teaching**

6 to 12 credits (variable)

Supervised teaching in elementary or secondary schools. The department may limit registration, determine assignments, and prescribe the number of teaching hours required. \*Fall semester student teaching requires formal application by March 15 of previous spring semester. Spring semester student teaching requires formal application by October 1 of the previous fall semester. Contact the UAS School of Education for information.

**Prerequisite:** Admission to student teaching, 3.0 GPA in professional education sequence.

**ED S460 Integrated Curriculum and Instruction**

3 credits (2+2)

The design of curriculum over a year's time and the planning for learning in view of the interaction of all subjects. Reflection of experience in student teaching and the application of that experience and previous learning to plan coherently for a year's instruction, curriculum, and classroom community, all developmentally appropriate and culturally relevant. 25 hours lab required.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S491 Internship****ED S492 Seminar**

1-3 credits variable (1-3 +0)

Current topics in education.

**ED S494A Applications of Teaching: Field Work**

3 credits (1+0+8)

Practicum in an elementary school classroom. Observation of development, cultural and cognitive diversity Application of teaching and assessment of instructional strategies and curricular development. Experience with behavioral management of individuals and groups and the relationship to classroom community. Supervised by faculty member and classroom teacher.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S498 Professional Portfolio Preparation**

2 credits (1+0+4)

Elementary Education students document their knowledge and ability to perform according to the school's conceptual framework, and national and state standards. Evidence will be gathered during student teaching and artifacts included. The course provides support for the organization and reflection necessary for a successful portfolio.

**Prerequisite:** Admission to BA Elementary Education major or permission from program director.

**ED S603 Alaska Literature for Young People**

3 credits (3+0)

An overview of Alaska Studies for children grades K-8. Examination and understanding of Alaska and the North. This course meets the Dept. of Education requirement for Alaska Studies.

**ED S606 Secondary Methods for Teaching STEM**

3 credits (3+0)

This course is designed to prepare pre-service teachers with the knowledge and skills necessary to teach STEM courses in the secondary (6-12) grades. This includes a study of evidence-based teaching innovations that nurture a growth mindset, particularly for students learning mathematics. Participants will gain experience with a variety of instructional materials appropriate for teaching science/mathematics at the secondary level. Students will become familiar with the National Council of Teachers of Mathematics (NCTM) and the National Science Teachers Association (NSTA) standards for Math and Science, respectively. Students will use backwards design to plan and teach a STEM instructional unit. During the course, participants will develop safe, rigorous, standards-based lessons that are engaging and meaningful for students. Opportunities will also be provided to explore, analyze, and incorporate digital resources for teaching STEM methods. Requires concurrent enrollment in ED S691 and ED S692 or instructor permission.

**Prerequisite:** Admission to the MAT or graduate certificate program.

**ED S607 Secondary Methods for Teaching in the Humanities**

3 credits (3+0)

This course is designed to prepare pre-service teachers with the knowledge and skills necessary to teach Humanities courses in secondary (6-12) grades. This includes a study of evidence-based teaching innovations that focus on the practical application of theory within the classroom. Students will become familiar with the National Council of Teachers of English (NCTE) and the National Council of Social Studies (NCSS) standards for Language Arts or Social Studies, respectively. Students will apply the Understanding by Design planning method to develop and teach standards-based lessons in their respective content areas. Requires concurrent enrollment in ED S691 and ED S692 or instructor permission.

**Prerequisite:** Admission to the MAT or graduate certificate program.

**ED S611 Leading to Learn in a Changing Digital Age**

2 credits (2+0)

Focuses on systematic ways to use best leadership practices and appropriate technologies to improve student achievement. Analyzes how to align strategies to implement effective change to address clearly stated student achievement outcomes. Learners will build or refine a technology plan for their district and demonstrate an understanding of future-focused leadership.

**Prerequisite:** Participation in the Superintendent Endorsement program.

**ED S612 School-Community Relations**

3 credits (3+0)

Development of attitudes and behaviors to help those involved in education to deal directly with the affective domain of learning. Effective sending and receiving in communication and techniques for creating a positive communication atmosphere for the profession.

**ED S615 Literacy in the Intermediate and Middle School Grades**

3 credits (2+2)

Literacy philosophy, theory and practice in the intermediate classroom. Teaching to individual differences; planning, teaching and assessing for student literacy; organizing and managing for optimal students learning; communication with parents; and professional behavior. Practicum experience in a classroom (grades 4-8) is required. Requires access to computer, Internet, e-mail, and audio conference.

**Prerequisite:** ED S230, ED S333 and admission to a graduate Elementary program.

**ED S616 Math Methods in the K-8 Classroom**

3 credits (2+2)

Philosophy, research, organization, methods and materials of an elementary math program. Emphasis on activities with large and small groups of students, using manipulatives to develop children's understanding of math concepts, processes and problem solving. Practicum in K-8 classroom required. Requires access to computer, Internet, e-mail, and audio conference.

**Prerequisite:** ED S230, ED S333, and admission to a graduate Elementary program.

**ED S617 Science Methods in the K-8 Classroom**

3 credits (2+2)

The guiding ideas, materials and methods of current science instruction for elementary school children. Emphasis on hands-on, minds-on learning and helping children build conceptual webs. Requires practicum in K-8 classroom. Requires access to computer, internet, e-mail, DVD, and audio conference.

**Prerequisite:** ED S230, ED S333, and admission to Elementary Credential program.

**ED S618 Social Studies in the K-8 Classroom**

3 credits (2+2)

Addresses the Alaska Teacher Standards for teaching social studies in the elementary classroom. Covers theories, methods and materials; issues behind philosophies of teaching; specific inquiry in a social science topic; planning, teaching and evaluating a wide variety of activities and lessons; development of long-term plans; goals and units for social studies. A weekly practicum in a K-8 classroom is required. Requires use of Internet, e-mail, and audio conference.

**Prerequisite:** ED S230, ED S333, and admission to a graduate Elementary program.

**ED S619 Classroom Management and Discipline**

3 credits (2+2)

Planning and carrying out an overall approach to managing an elementary classroom that allows for effective instruction and constructive discipline. Practicum in K-8 classroom required. Requires access to computer, Internet, e-mail, and audio conference.

**Prerequisite:** ED S230, ED S333, and admission to a graduate Elementary program.

**ED S620 Curriculum Development**

3 credits (3+0)

Basic definition of curriculum. Present need for curriculum improvement; standards-based criteria for selection of broad goals; types of curriculum framework and consideration of the organization of specific learning experiences as part of the curriculum structure.

**ED S621A Curriculum Development A**

1 credit (1+0)

A basic definition of curriculum; the need for curriculum improvement; criteria for selection of broad goals; types of curriculum framework; and the organization of specific learning experiences as part of the curriculum structure. Study of the backward design technique.

**Prerequisite:** Requires concurrent enrollment in one of: ED S615, ED S616, ED S617, or ED S618.

**ED S621B Curriculum Development B**

1 credits (1+0)

A continuation from ED S621A. Continued study and application of backward design to unit development.

**Prerequisite:** Requires concurrent enrollment in one of: ED S615, ED S616, ED S617, or ED S618.

**ED S621C Curriculum Development C**

1 credit (1+0)

A continuation from ED S621B. Continued study and application of backward design to unit development.

**Prerequisite:** Requires concurrent enrollment in one of: ED S615, ED S616, ED S617, or ED S618.

**ED S622 Orientation: Superintendency**

1 credit (1+0)

This is the first course in a sequence that leads to a Superintendent Endorsement for the Type B Administrative Certificate. Our approach is to build a learning community where we can all grow and develop in a community of scholars environment. The central focus is an introduction and orientation to the role of superintendent, leadership theory, change strategies, and instructional leadership. Other topics include research on characteristics of effective superintendents, drafting an entry plan and the contract and evaluation process.

**Prerequisite:** Admission to the Superintendent Graduate Certificate program or instructor approval.

**ED S626 Classroom Research**

3 credits (3+0)

Addresses the philosophy and methodology of ethnographic classroom research, the role of classroom research within the educational profession, and the reflective nature of such research. Students will learn methods of qualitative research and utilize them in classroom research.

**ED S627 Educational Research**

3 credits (3+0)

Techniques of educational research; selection of topics and problems, data gathering, interpretation and preparation of reports.

**ED S631 Educational Psychology**

3 credits (3+0)

A review of relevant learning theories, learning styles, differentiation of instruction and assessment for special needs students. Activities guide students to integrate learning theories, basic teaching skills, and field-based applications. Students apply instructional strategies that promote optimal learning in order to structure the classroom environment for success.

**Prerequisite:** Current teaching certificate or permission.

**ED S632 Classroom Internet Integration**

3 credits (2+2)

Focuses on the integration of online communication opportunities and strategies in teaching. Topics include electronic mail, assistive technology, web page design, computer conferencing, and emerging technologies. Students create a classroom-based project integrating online communication tools. Requires access to Internet, e-mail, word processing, gif and jpeg graphics, and web authoring. Additional lab hours required.

**Prerequisite:** ED S628 and current teaching certificate, or instructor permission.

**ED S637 Introduction to Educational Leadership**

9 credits (9+0)

Introduces educational leadership with a focus on leadership theory, change strategies, data-based decision making, school improvement, supervision, school law, systems theory, managing federal mandates, issues in Alaskan education, and school-community relations, all with an emphasis on student achievement. Course has been approved by the Provost to be offered in a compressed format in summer terms.

**Prerequisite:** Admissions to MEd in Educational Leadership.

**ED S638 Curriculum and Instructional Leadership I**

3 credits (2+0+4)

Develops knowledge and practice of assessment and evaluation in schools; learning theories, child and adolescent development, state data reporting, special education, and accountability. Candidates will complete at least 50 hours of internship experience, and will begin the development of a case study or research project related to school improvement.

**Prerequisite:** ED S637.

**ED S639 Curriculum and Instructional Leadership II**

3 credits (2+0+4)

A continuation of ED S638. Candidates validate their understanding of the role of supervision in instructional improvement, assessment and evaluation, federal reporting, special education, emerging technologies, and adult learning theories. Students continue their internship experience for at least another 50 hours, and will finalize their case study or research project.

**Prerequisite:** ED S638.

**ED S642 Educational Governance**

2 credits (2+0)

Focuses on board/superintendent relations, with a secondary focus on governance documents, educational law and policy, and negotiated agreements. Additional emphasis is on ethical decision making. Students will review and discuss the variety of ethical issues that superintendents and their educational communities address, and their impact on governance.

**Prerequisite:** Admission to Superintendent Endorsement program or instructor approval.

**ED S644 Educational Finance**

3 credits (3+0)

A study of Alaska finance issues and challenges associated with the superintendent position. Course content includes school district budgeting practices, accountability systems, audit reports and practices, funding formulas, board involvement, community involvement, ethical standards, and administration of funds.

**Prerequisite:** ED S622 or instructor approval.

**ED S646 District Operations**

3 credits (3+0)

Examines the three primary areas essential to effective administration: Human resources including hiring, supervision, termination, contract interpretation, negotiation, and personnel development; Physical facilities including maintenance, renovation, new construction, transitional strategies, and funding sources; Auxiliary services including food service, safety, security, and transportation.

**Prerequisite:** ED S622 or instructor approval.

**ED S647 Community Building**

2 credits (2+0)

Designed to help the candidate gain the knowledge and skills necessary to establish, maintain and enhance relationships and to involve and communicate effectively with various constituencies such as parents, community members, teachers, personnel, district administrators, board members and other related entities that facilitate the development, education, and socialization of students in a community.

**Prerequisite:** ED S622 or instructor approval.

**ED S650 Program Planning, Implementation and Evaluation**

2 credits (2+0)

Designed to assist practicing school leaders to implement, analyze and monitor the diverse programs and management systems in a school district. Introduces students to the tools and resources available to fully analyze and utilize data-driven decision making. Components of representative educational systems within and outside the U.S. will be studied. Students will develop and submit an Action Plan for School Improvement based on current research and evidence of best practices, as well as reflective papers on diverse educational systems.

**Prerequisite:** ED S622 or instructor approval.

**ED S668 Educational Technology Leadership**

3 credits (3+0)

Provides a reflective overview of issues relating to school leadership policy and practice in the field of educational technology. Encompasses the wide range of responsibilities of the school technology leader as a collaborative member of a leadership team. Topics include organizational change, decision making, community partnerships, legal and ethical issues, coaching and mentoring, and teamwork. A web-based course; requires Internet and e-mail.

**ED S669 Literacy in Middle and Secondary Schools**

3 credits (3+0)

Students will learn reading strategies that support literacy in the content areas and disciplines. Course will focus on the interrelated processes of writing, reading, listening, and speaking in the literacy development of students. Some emphasis will be given to the use of technology as a tool to enhance content area literacy. The role of teacher as researcher will also be explored.

**ED S679 Literacy in Middle and Secondary Schools**

3 credits (3+0)

Students will learn reading strategies that support literacy in the content areas and disciplines. Focus is on the interrelated processes of writing, reading, listening, and speaking in literacy development. Some emphasis will be given to the use of technology as a tool to enhance content area literacy. The role of teacher as researcher will also be explored.

**ED S680 Perspectives in Multicultural Education**

3 credits (3+0)

Focuses on effective ways of accommodating cultural diversity in the classroom, and facilitating appreciation of the differences that exist among people. Explores ways teachers and school systems can support equitable learning for all students. Includes issues of the indigenous populations of Alaska and rural schooling, with attention to the Alaska Standards for Culturally Responsive Schools. Explores possibilities in prejudice reduction, curricular inclusion, an empowering school culture, and an equity pedagogy.

**ED S688 Student Teaching**

3 or 6 credits (0+0+ 12-24)

Supervised teaching in elementary or secondary schools. The department may limit registration, determine assignments, and prescribe the number of teaching hours required. Grade of B or better is required for the degree program.

**Prerequisite:** Approval for student teaching and 3.00 GPA in program sequence.

**ED S690 Educational Leadership II**

9 credits (9+0)

Provides a synthesis of the knowledge and skills developed by candidates relative to educational leadership. Includes individual presentation and assessment based on the standards for leadership, and examines the challenges of being an educational leader. Focuses on balance and logistics of leading a school through an improvement effort while maintaining order in the school's daily operations. Course has been approved by the Provost to be offered in a compressed format in summer terms.

**Prerequisite:** ED S639.

**ED S691 Internship:****ED S692 Education Seminar**

1-6 credits (variable)

Current topics in education. Maximum credit allowed toward advanced degrees: four credits. Additional lab hours required.

**Prerequisite:** Instructor or departmental approval.

**ED S694 Practicum:****ED S695 Certificate Portfolio Capstone**

1 credit (0.5 +1)

The capstone portfolio will demonstrate students' professional growth as a result of graduate certificate coursework, and will document teaching practices congruent with the conceptual framework of the Alaska College of Education. Pass/Fail grading.

**ED S698 Master's Research Project or Portfolio**

1-3 credits (0+0+4-12)

A research paper, project, or a professional portfolio, jointly approved by the student's graduate committee and the student; to coincide with the student's professional objectives. The portfolio should document the required knowledge and ability to apply the standards set by the UAS School of Education (SOE). Portfolio criteria should be obtained from the SOE or the graduate advisor. The student's graduate committee may require an oral defense of either option.

**Prerequisite:** Permission of graduate advisor and instructor required.

## English (ENGL)

**ENGL S200 \*World Literature**

3 credits (3+0)

GER. Introduces students to a selection of modern literary works from various parts of the world and provides analysis and interpretation of literature within contexts of imperialism, transnationalism, postcolonialism, and globalization.

**Prerequisite:** WRTG S111 (C or better) or concurrent enrollment.

**ENGL S215 \*Introduction to Literary Study**

3 credits (3+0)

GER. This course provides a thorough introduction to college-level literary study. By reading and discussing literary texts, students will gain an understanding of major literary genres, critical terminology, and theoretical positions. Students will become familiar with the conventions of literary research and critical writing by participating in workshops that enable them to exchange ideas and sharpen skills.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S217 \*Introduction to Film Studies**

3 credits (3+0)

GER. An introduction to the concepts and techniques of film analysis and criticism, including a cultural studies focus on visual representation. Students will examine how the various aspects of film production work together to create meaning in cinema. Introduces students to the history of film as well as to a variety of film genres in narrative, documentary, and experimental cinema. Through a close analysis of several pivotal films, this course ultimately seeks to provoke deeper questions about the role of visual media in society.

**Prerequisite:** WRTG S111 (C or better) or instructor permission.

**ENGL S218 Themes in Literature: Selected Topics**

3 credits (3+0)

Exploration of literary themes in various genres of literature, including fiction, poetry, drama, and film. Specific theme is announced in semester course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S226 \*Survey of American Literature 1800-Present**

3 credits (3+0)

GER. Analysis and interpretation of selected American writings from 1800 to the present.

**Prerequisite:** WRTG S111 (C 2.00 or better) or concurrent enrollment.

**ENGL S261 \*Introduction to Creative Writing**

3 credits (3+0)

GER. Introduction to the study and practice of writing original works of fiction and poetry. Writing techniques are explored through class discussion, study of established writers, and participation in writing workshops.

**Prerequisite:** WRTG S111 (C 2.00 or better).

**ENGL S303 Literature and the Environment**

3 credits (3+0)

This course surveys the relationship between literature, human culture, and the natural environment. Readings will be selected from diverse traditions and genres.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S311 The Art of the Essay**

3 credits (3+0)

The study of literary non-fiction writing in its various forms, moving beyond traditional academic writing. Genres studied may include cultural criticism, literary journalism, book reviews, feature articles, radio pieces, personal essays, blog writing, and travel writing. Critical analysis of published essays is a primary feature. Advanced rhetoric techniques, creative structures, research, and the writer/audience relationship are studied. Students share work and engage in critical analysis and editing.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S334 Detective Fiction / Criminal Geographies**

3 credits (3+0)

Cross-listed as GEOG S334. Examines the many ways "detection" has served as a means to establish formative relationships between the urban world and its subjects, not only from various national perspectives, but also across histories and narratives of race, class, gender, and sexuality.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S342 History and Theory of Documentary Film**

3 credits (3+0)

Examines the documentary tradition across various styles including the travelogue, city symphony, cinéma vérité, direct cinema, video diary, and personal essay. Students will be acquainted with the rhetorical and visual techniques that are utilized in documenting history, will gain a foundation for viewing and creating nonfiction film and video, and will develop critical perspectives on the various international ways in which we practice the construction of "reality."

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S362 Memoir Writing**

3 credits (3+0)

Study and practice in the techniques of memoir writing, explored through class discussion, study of literary models, and participation in writing workshops.

**Prerequisite:** ENGL S261 (C 2.00 or better) or instructor permission.

**ENGL S363 Nature Writing**

3 credits (3+0)

Study and practice in the techniques of nature writing. Writing techniques will be explored through class discussion, study of literary models, and participation in writing workshops. Classroom instruction may be supplemented by short excursions into the outdoors.

**Prerequisite:** ENGL S261 (C 2.00 or better) or instructor permission.

**ENGL S365 Literature of Alaska: Native and Non-Native Perspectives**

3 credits (3+0)

This course explores Alaskan literature: oral and written, traditional and contemporary, Native and non-Native. Course texts will be taken from diverse cultural and geographical areas of Alaska. Special attention will be given to different styles and genres of oral and written literature, as well as different social and cultural values embedded in these texts.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S370 Native American Literature**

3 credits (3+0)

Explores traditional and contemporary Native American literature in North America. May include traditional oral forms, novels, short stories, film and poetry. Literary texts will be discussed in relation to cultural contexts and interpretations as well as readings in contemporary critical theory.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S391 Internship:****ENGL S418 Advanced Themes in Literature: Selected Topics**

3 credits (3+0)

Advanced exploration of literary themes in various genres of literature, including fiction, poetry, drama, and film. The specific theme is announced in the semester course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S419 Major Authors: Selected Topics**

3 credits (3+0)

Advanced exploration of major authors in the history of British and American literature. Examples include Chaucer, Shakespeare, John Milton, Jane Austen, Melville, or Virginia Woolfe. The specific author(s) will be announced in the course schedule. May be repeated for credit when content varies. Prerequisite: WRTG S211 or WRTG S212 or instructor permission

**ENGL S420 Genre Studies: Selected Topics**

3 credits (3+0)

Provides an in-depth exploration of a major literary genre. Examples include epic, romance, autobiography, or the novel. The specific genre will be announced in the course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S421 Women and Literature: Selected Topics**

3 credits (3+0)

Focuses on the contributions of women to literary history. Readings include a variety of texts by women as well as works of theory and criticism. The specific theme will be announced in the course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S422 Literary Periods: Selected Topics**

3 credits (3+0)

In-depth study of selected literary periods in English or American literature. The specific literary period will be announced in the course schedule. May be repeated for credit when content varies.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**ENGL S423 Ecocriticism**

3 credits (3+0)

An introduction to the theory and practice of ecocriticism. Readings will include the history and theory of environmental literature as well as research in the interdisciplinary fields of environmental philosophy and ecofeminism. Emphasis will be placed on exploring the interplay of human culture with nature in literary texts.

**Prerequisite:** WRTG S211 or WRTG S212 (C 2.00 or better) or instructor permission.

**ENGL S461 Advanced Creative Writing: Selected Topics**

3 credits (3+0)

Advanced study and practice in the techniques of creative writing. This may include poetry, drama, fiction, creative non-fiction, or other genres. Creative writing techniques are explored through literary study and writing workshops. The specific theme and/or genre will be announced in the course schedule. May be repeated for credit when content varies.

**Prerequisite:** ENGL S261 (C 2.00 or better) or instructor permission.

**ENGL S491 Internship**

1-6 credits (0+0+ 4-24)

Provides students with an opportunity to gain experience working in a language-based field of employment (e.g., journalism, teaching, public relations, research, or editing).

**Prerequisite:** Signed permission form.

**ENGL S494 Practicum:****ENGL S499 Thesis**

1-3 credits (0+0+ 4-12)

Independent thesis or project in the student's area of interest as approved by the student's advisor. The thesis will be presented to and evaluated by panel to be determined by the English department. Pass/Fail grading.

**Prerequisite:** WRTG 211 or WRTG 212 (C 2.00 or better), upper division standing, and contract with instructor.

## Environmental Science (ENVS)

**ENVS S102 \*Earth and Environment**

4 credits (3+3)

GER. Examines the atmospheric, hydrospheric, lithospheric, and oceanic systems that define the environment; the interactions among these systems; energy as an environmental parameter; and the effects of physical systems on the biosphere. The labs focus on measurement and description of the environment using methods from meteorology, hydrology, and earth science. Global Positioning Systems and other relevant field techniques are introduced.

**Prerequisite:** MATH S105 or concurrent enrollment.

**ENVS S110 Introduction to ArcGIS**

1 credit (1+0)

Students will use ArcGIS software to analyze spatial and tabular data and to create maps and charts that present these data.

**ENVS S111 Introduction to Differential GPS**

1 credit (1+0)

An overview of the Global Positioning System (GPS), the development of a data dictionary, data acquisition using differential GPS, and integrating GPS data into environmental applications.

**ENVS S213 Natural Hazards**

3 credits (3+0)

A survey of natural hazards such as earthquakes, volcanic eruptions, mass movements, floods, meteorite impacts, and extreme weather. Analysis of the geologic and atmospheric processes that develop them, reasons why certain regions are more vulnerable to disasters, the interplay between natural events and anthropogenic activity, as well as disaster preparation, forecasting, and mitigation.

**Prerequisite:** ENVS S102/GEOL S102, or GEOL S104; and MATH S151 or concurrent enrollment.

**ENVS S301 Soil Science**

4 credits (3+3)

An introduction to the nature and properties of soils. Application of science and technology to the use of this natural resource and the roles in the environment.

**Prerequisite:** CHEM S105 and S106.

**ENVS S302 Glaciology**

3 credits (3+0)

Introduction to glaciers and ice sheets and their impact on the environment. Covers glacier mass balance, ice flow, basal motion, glacier hydrology, glacier-ocean interactions, and ice core records. Examines the methods used to understand glacier behavior. Special attention will be given to the wide variety of glaciers found in Alaska.

**Prerequisite:** ENVS S102/GEOG S102 or GEOL S104; and MATH S152.

**ENVS S309 Mobile GIS Technology and Applications**

2 credits (1+2)

Extends students' basic knowledge of GPS and GIS to allow interactive GIS mapping, data collection, and analysis in the field setting. Includes training in the use of handheld computers enabled with GPS and GIS software. Design and use of field data collection forms that integrate with GIS including the transfer and use of GIS data between desktop and field. Explore the utility of mobile GIS technology in navigation, civil engineering, environmental science, forestry, and other fields. Available as ENVS S309A for one credit with no research project.

**Prerequisite:** ENVS S110/GEOG S110 or ENVS S111/GEOG S111 or ENVS S338/GEOG S338.

**ENVS S309A Mobile GIS Technology and Applications**

1 credit (1+0)

ENVS S309A is a one-credit version of ENVS S309, with no research project. Extends students' basic knowledge of GPS and GIS to allow interactive GIS mapping, data collection, and analysis in the field setting.

**Prerequisite:** ENVS S110/GEOG S110 or ENVS S111/GEOG S111, or ENVS S338/GEOG S338.

**ENVS S311 Technical Writing for Science Majors**

3 credits (3+0)

Covers writing in a variety of scientific and technical forms, including reports, journal articles, and grant proposals. Also learning to write for different audiences, master the art of editing, prepare work for your ENVS portfolio or other science courses, and become adept at using online bibliographic programs.

**Prerequisites:** WRTG S211 and upper division standing in a science degree program, or permission of instructor.

**ENVS S338 Introduction to Geographic Information Systems (GIS)**

3 credits (2+3)

Examines the representation of spatial data with vector object models, explores the relationship between spatial data and automated thematic mapping, and trains students in the use of GIS software.

**ENVS S375 Current Topics in Earth and Ecosystem Research**

2 credits (2+0)

Discussion of a book or series of papers on a current topic in environmental science. May be repeated for elective credit as the topic varies.

**Prerequisite:** Completion of 3 college credits in science.

**ENVS S406 Remote Sensing**

3 credits (3+0)

Identification, interpretation and measurement of physical and cultural features using remotely sensed data. Explore image enhancement and analysis, applications of remote sensing to different scientific disciplines, and an introduction to raster-based GIS.

**Prerequisite:** MATH S151.

**ENVS S407 Snow Hydrology**

3 credits (3+2)

An in-depth look at processes related to snow in mid-latitude areas. Topics include snow formation in the atmosphere, snow accumulation and distribution, snowpack metamorphism, avalanche dynamics, snowmelt runoff and chemistry, techniques for measuring snow properties, and case studies. Labs will entail collection of field data as well as analysis of data. Required labs may take place on Saturday.

**Prerequisite:** Science or geography major with upper division standing, or instructor permission.

**ENVS S409 GIS Jam: Projects in GIS and Remote Sensing**

1 to 3 credits variable (1-3 + 0)

Project-based instruction in advanced GIS sensing analysis relating to a specific geospatial project or case study. Intended for students who have at least a basic GIS background and a specific project concept in mind. Variable credit (to be determined at time of registration). Each credit requires a certain level of attendance.

**Prerequisite:** ENVS/GEOG S110 or ENVS/GEOG S111 or ENVS/GEOG S338.

**ENVS S410 Advanced Geographic Information Systems**

3 credits (2 + 3)

Advanced GIS examines the object models used for the representation of spatially continuous data and the analysis of those data. Specific topics include terrain models; classification; suitability analysis; utilizing imagery; local, focal and zonal functions; surface modeling, and geo-referencing.

**Prerequisite:** ENVS S338/GEOG S338.

**ENVS S411 Specialized Training in GIS Software**

1 credit (1+0)

Extends student proficiency with GIS software through online lesson modules. Students select from over 100 online (distance-based) technical training modules, and under tutelage of faculty, complete training objectives to learn specific software subjects and enhance student's overall skill set in GIS.

**Prerequisite:** ENVS S338/GEOG S338.

**ENVS S414 Biogeochemistry**

3 credits (3+0)

Explores how biological and geochemical processes affect element cycles at a variety of spatial and temporal scales. Emphasizes contemporary research in the biogeochemistry of carbon, nitrogen, sulfur, selected metals, and organic compounds of natural and anthropogenic origin.

**Prerequisite:** ENVS S102/GEOG S102 and CHEM S106/ CHEM S106L, or instructor permission.

**ENVS S416 Biogeography and Landscape Ecology**

4 credits (3+2)

An introduction to two related disciplines emphasizing a geographical focus on natural processes. Landscape ecology studies large-scale ecological patterns and processes occurring on whole landscapes. Biogeography studies species distribution in relation to environmental and historical factors. Students learn how these disciplines serve as foundations for decision making in land use planning, resource management, and biological conservation. Labs include the use of geospatial tools like GIS and remote sensing and hands-on field exercises.

**Prerequisite:** ENVS S102/GEOG S102 or BIOL S104 or BIOL S105.

**ENVS S422 Earth's Climate System**

3 credits (3+0)

Explores how components of the Earth system influence climate. Special emphasis will be placed on thinking of the Earth as a highly coupled complex system. Topics include the global energy balance, atmospheric and ocean heat transport, ice-albedo feedback, plate tectonics, glaciations, sea level variability, the carbon cycle, and the evolution of Earth's climate.

**Prerequisite:** ENVS S102/GEOG S102 and PHYS S123 or PHYS S211; or instructor permission.

**ENVS S430 Forest Ecosystems**

3 credits (3+0)

An exploration of the ecosystem ecology of forests around the world, with emphasis on biological characterization, nutrient dynamics, and change processes, as well as interactions with other systems such as the hydrological cycle. The roles of climate change and human management are discussed.

**Prerequisite:** ENVS S102/GEOG S102 or BIOL S271, or instructor permission.

**ENVS S431 Forest Field Ecology Lab**

3 credits (0+6)

An immersive field course involving demonstrations and applications of several research and management measurement methods in forest ecology. Outdoor activities include utilizing several techniques such as laser mapping, soil pit excavation, biomass estimation, tree coring, and pathogen monitoring. Indoor activities include dendroclimatology and the analysis of student-collected data using the statistical software R. Local research scientists and land managers will lead field trips and will be featured as guest speakers.

**Prerequisite:** BIOL S271, or instructor permission.

**ENVS S475 Field Studies in Environmental Science**

1-4 credits variable (1-3 + 2-6)

An immersive field course with revolving topics in environmental science. May be repeated for degree credit when content differs.

**Prerequisite:** ENVS S102.

**ENVS S491 Internship:**

1-12 credits (0+0+ 4-48)

Part-time work in an approved science agency where the student is supervised by a senior employee of the agency in cooperation with the faculty advisor.

**ENVS S492 Environmental Science Seminar**

1 credits (1+0)

Current topics in environmental science. Weekly seminars will include faculty and student-lead discussions of peer-reviewed journal articles, and student presentations of ongoing undergraduate research projects. May be repeated once for a total of 2 credits.

**ENVS S496 Juneau Icefield Research Program**

6 credits (2+8)

This 8-week field course integrates field techniques in glacial geomorphology and glaciology, and explores the key relationships between the Earth, atmospheric, and climate sciences. Students will conduct original research on the icefield and present their findings at the end of the course. Research projects may be associated with ongoing research or new projects developed by the students and instructor.

**Prerequisite:** Instructor permission.

**ENVS S498 Research in Environmental Science**

1-6 credits, (0+0+ 4-24)

Individual research in the environmental sciences undertaken by a student in consultation with a member of the ENVS faculty. Student may submit research ideas, and with faculty input, develop them into a project. Requires consent of advisor and appropriate faculty sponsor, signed study contract, and instructor approval form.

**Prerequisite:** Upper division standing and signed permission forms.

## Environmental Studies (ENVI)

**ENVI S210 Temperate Rainforest Ecosystems**

3 credits (3+0)

A survey of the geography, ecology, and unique properties, dynamics, history, and species local to SE Alaska. The course will also survey temperate rainforests around the world, comparing and contrasting them to our local forests. It will conclude with discussions about the future of management and conservation in SE Alaskan forests.

**Prerequisite:** ENVS S102 or GEOG S102 or instructor permission.

**ENVI S313 Sustainable Resource Management**

3 credits (3+0)

Focuses on the basic building blocks of natural resources, the history of their management (or mismanagement), current practices, major regulatory issues surrounding their exploitation, and examples of responsible resource management.

**Prerequisite:** ENVS S102 or GEOG S102 or instructor permission.

**ENVI S350 Interdisciplinary Perspectives on Climate Change**

3 credits (3+0)

Exploration of current and evolving literature on climate change, and the social and cultural consequences of climate change. Emphasis is placed on interdisciplinary issues and communicating across disciplines. May be repeated for credit when content varies.

**Prerequisite:** Upper division standing and WRTG S211 or WRTG S212, and at least one GER in Natural Sciences and Mathematics.

## Fisheries Technology (FT)

### FT S120 Fisheries of Alaska

3 credits (3+0)

Explores the biology, fishing techniques, management, and research of fisheries across Alaska. Each module focuses on a different fishery from a different region of the state. Guest lecturers share their fishery experience, research findings, and address current issues in the fisheries they are involved in. Recommended for students who are curious about the diversity of fisheries across Alaska.

### FT S122 Alaska Salmon Culture I

3 credits (3+0)

The first course of a two semester sequence which introduces students to the principles, concepts and methods used in the production of Pacific Salmon with an emphasis on modern fish culture techniques used by Alaskan producers. Addresses all aspects of fry and smolt production. Topics include water quality, brood stock management, egg collection and incubation, egg and live fish transport, fresh and saltwater rearing techniques, feeding practices, growth, record keeping and fish health management.

### FT S123 Introduction to Mariculture

3 credits (3+0)

Students are introduced to the principles, concepts and methods used in the production of seaweed, shellfish and other mariculture products with an emphasis on the techniques used by Alaskan producers. The course will cover all aspects of production, including species identification and biology, site selection, permitting, daily nursery and farm operations, business management, processing and sales.

### FT S125 Fish Pathology Lab

1 credit (.5+1)

In a hands-on laboratory setting, students study fish anatomy, physiology, and learn about common diseases found in fish throughout Alaska. Emphasizes lab techniques like data collection, sampling methods and equipment management. Pass/Fail grading.

### FT S150 Cold Water Survival

1 credit (.5 +1)

Introduces students to fundamental safety procedures related to working in cold water environments. Reviews basic firefighting, emergency signaling, and boat handling basics. Students gain survival skills using immersion suits, PFDs, emergency radios, and EPIRBs. Pass/Fail grading.

### FT S188 Basic Scuba Diving

3 credits (2+2)

In classroom, pool, and ocean settings, instructors teach the basic skills of Open Water and Dry Suit SCUBA diving. Covers the physics and physiology of diving, in addition to best practices. Students who complete the course earn a Professional Association of Dive Instructors (PADI), Scuba Educators, National Association of Underwater Instructors (NAUI), or similar certification as an Open Water Diver with a specialty in Dry Suit Diving. Certification requires that students complete a 200-yard swim and a 10-minute survival float.

### FT S189 Advanced Scuba Diving

1 credit (.5+1)

Students complete five distinct adventure dives beyond their Basic SCUBA certification to become an Advanced SCUBA Diver. Dry suit diving, deep diving to 60 feet, and navigation diving are required for certification, and students may choose the remaining two adventure dives from a diverse offering. Other skills include boat diving, naturalistic diving, or night diving. Students who complete the course earn a Professional Association of Dive Instructors (PADI) Scuba Educators, National Association of Underwater Instructors (NAUI), or similar certification as an advanced diver. Pass/Fail grading.

**Prerequisite:** Open Water certification from a nationally recognized SCUBA education organization (PADI, NAUI, etc).

### FT S194 Fisheries Policy Practicum

1 credit (0+0+4)

Leads students through the structure, organization, and processes surrounding fisheries policy. Students study aspects of fisheries policy through management meetings, and learn how policy and procedures are created by various entities throughout the course. Depending upon availability, students will attend one of the following management meetings: North Pacific Fisheries Management Council (NPFMC), International Pacific Halibut Commission (IPHC), State of Alaska Board of Fisheries (BOF), or the Federal Subsistence Board. Pass/Fail grading.

### FT S211 Fisheries Management Techniques

3 credits (3+0)

Presents common sampling and monitoring techniques used by technicians in Alaskan fisheries. Introduces students to nets, stream survey techniques, intertidal assessment, fish counts, habitat assessment, data collection, recording, presentation, and field safety and survival techniques.

**Prerequisite:** FT S274 or concurrent enrollment, or former FT S273.

### FT S212 Fisheries Management Techniques Lab

1 credit (.5+1)

Offers hands-on experience in the sampling and monitoring techniques used in Alaska fisheries. Students set minnow traps, seine beaches, sample plankton, assess habitats, and collect data in the field. Pass/Fail grading.

**Prerequisite:** FT S211 or concurrent enrollment, or instructor approval.

### FT S222 Alaska Salmon Culture II

3 credits (3+0)

Details the methods used to enhance and rehabilitate the five species of Pacific salmon harvested in the commercial, sport, and subsistence fisheries in Alaska and the Pacific Northwest. Covers the enhancement policies established by the State of Alaska, and the enhancement of salmon through aquaculture associations. Follows FT S122 as the second course in a two-semester sequence that covers the principles of Pacific Salmon production with an emphasis on modern fish culture techniques used in Alaska.

**Prerequisite:** FT S122.

**FT S223 Alaskan Aquaculture Lab**

1 credit (0+2)

This intensive course focuses on Alaskan aquaculture techniques and skills appropriate to new students as well as those with aquaculture experience. Topics include species biology, egg incubation techniques, feeding techniques, rearing, pathobiology, and tagging and marking techniques. Course includes in-class lecture, labs, and visits to local hatchery and aquaculture facilities. Pass/Fail grading.

**FT S270 Freshwater Ecology**

3 credits (3+0)

The principles, concepts and techniques used as part of fresh water ecological fisheries research, management and enhancement are presented in a technical application format. Topics include physical and biological characteristics of freshwater systems, and data collection, management and interpretation.

**Prerequisite:** MATH S105 or MATH S151 or STAT S107, and WRTG S111, and FT S120.

**FT S272 Fisheries Management, Law and Economics**

3 credits (3+0)

Introduces state, federal, and international laws that affect fisheries, and explores the economic principles of fisheries. Focuses on the biological, economic, social, and political implications of fisheries management, and uses examples from the Pacific Northwest to highlight management techniques.

**Prerequisite:** FT S120.

**FT S274 Fish Biology**

3 credits (3+0)

Introduces the major groups of marine fishes, emphasizing those found in Alaskan waters fisheries and the North Pacific Ocean. Students learn identification, classification, anatomy, physiology, behavior, reproduction, age, and growth of both finfish and shellfish. Additional emphasis will be placed on commercially important fish species of Alaska.

**Prerequisite:** FT S120 or concurrent enrollment, or instructor approval.

**FT S288 Scientific Diving**

3 credits (1+4)

This course will introduce students to SCUBA diving techniques commonly used in the research community. The course will also familiarize students with local Alaska subtidal flora and fauna and give students an opportunity to work underwater. Completion of this course will allow students to be eligible to join (or remain active in) the UA dive program. Students must show proof of completing an Open Water certification course and complete a UA Dive physical prior to beginning the course.

**FT S291 Fisheries Technology Internship**

1-6 credits (0+0+4-24)

Work in an approved fisheries agency or natural resource based industry with a fisheries emphasis. The student is to be supervised by a senior employee of the agency in cooperation with the faculty advisor.

## French (FREN)

**FREN S101 \*Beginning French I**

4 credits (4+0)

An introduction to the French language and culture with development of the four skills (listening, speaking, reading and writing) with comprehension. Emphasis on oral practice and basic grammatical structures.

**FREN S102 \*Beginning French II**

4 credits (4+0)

A continuation of FREN S101. Focuses on French culture with development of the four skills (listening, speaking, reading and writing) with comprehension. Continued emphasis on oral practice and basic grammatical structures.

**Prerequisite:** FREN S101.

## Geography (GEOG)

**GEOG S101 \*Local Places, Global Regions: Introduction to Geography**

3 credits (3+0)

World regions; analysis of environment with emphasis on the major culture realms.

**GEOG S312 Humans and the Environment**

3 credits (3+0)

Cross-listed as ANTH S312. Anthropological approaches to the relationships between socio-cultural and ecological systems. Analysis of traditional ecological knowledge, subsistence patterns, and adaptations. Intensive study of selected cases and theories.

**GEOG S334 Detective Fiction / Criminal Geographies**

3 credits (3+0)

Cross-listed as ENGL S334. Examines the many ways "detection" has served as a means to establish formative relationships between the urban world and its subjects, not only from various national perspectives, but also across histories and narratives of race, class, gender, and sexuality.

**Prerequisite:** WRTG S211 or WRTG S212 or instructor permission.

**GEOG S360 Alaska: A Contested Geography**

3 credits (3+0)

Cross-listed as HUM S360. Examines Alaska from the lens of place-identity. Includes perspectives from industry, environment, government, and indigeneity through the disciplinary focus of environmental humanism and cultural geography. By asking questions about Alaska from the perspective of place, the course will help ground students in Alaska's history and culture, and review how the region is and continues to be defined.

**Prerequisite:** Upper division standing.

**GEOG S390 Critical Geography**

3 credits (3+0)

Examines how space is produced through the creative ferment of social struggle over domination and insubordination. Our central concern will focus upon the differences and inequalities produced across various spatial scales, such as the urban, regional, national, and transnational, as well as oppositions of scale, such as city and country, center and periphery, and local and global. This course will engage theoretical questions, and will situate these inquiries within ethnographic and historical texts that clarify the principal dynamics involved in the social production of space.

**Prerequisite:** GEOG S101 or instructor permission.

**GEOG S402 Human Ecology**

3 credits (3+0)

Relationships of human beings with the land they occupy; study of the physical environment and human occupation of the world's major regions; consideration of the significance of cultural diversity, differing patterns of livelihood, settlement and population change.

**Prerequisite:** GEOG S101.

**GEOG S490 Geography Seminar**

2 credits (2+0)

Capstone seminar providing senior year geography majors with a format for interdisciplinary exploration of a current topic or theme in geography. Perspectives from physical and human geography will be addressed through a combination of instructor lectures, guest speakers, and student-led discussions and presentations.

**Prerequisite:** Instructor permission.

**GEOG S491 Internship:**

1-5 credits (0+0+ 4-20)

Part-time work in an approved science agency or natural resource based industry. The student is to be supervised by a senior employee of the agency in cooperation with the faculty member. Signed instructor approval form is required in order to register.

**GEOG S498 Research in Geography**

1-6 credits, (0+0+ 4-24)

Individual research in geography undertaken by a student in consultation with a member of the geography faculty. Student may submit research ideas, and with faculty input, develop them into a project. Requires consent of advisor and appropriate faculty sponsor, signed study contract, and instructor approval form.

**Prerequisite:** Upper division standing and signed permission forms.

## Geology (GEOL)

**GEOL S104 \*Physical Geology**

4 credits (3+3)

GER. Introduction to the study of the Earth as a dynamic and evolving planet. Examination of Earth's composition and processes, with emphasis on the work of Earth's interior, tectonic forces, earthquakes, volcanoes, gravity, water, ice, and our atmosphere in continuously modifying our planet. Labs include the study of minerals, rocks, plate tectonics, fossils, maps, geologic time, stratigraphy, landforms, and geologic structures.

**Prerequisite:** MATH S105 or concurrent enrollment, or placement test.

**GEOL S105 \*Geological History of Life**

3 credits (3+0)

GER. A multi-billion year survey of the origin and evolution of our planet and the diverse life forms it has hosted throughout geologic time. Investigation of such topics as the formation of our solar system, the fossil record, geologic environments, shifting climates and continental configurations, the rise and fall of mountain ranges, mass extinctions, humans as a new geologic force, and the methods scientists use to uncover our past.

**GEOL S301 Geomorphology**

4 credits (3+3)

The study of landforms and the soils associated with them, including their features, processes, materials and development over time. Emphasis is also placed on the application of concepts and techniques from geomorphology to understanding interactions between human activities and landforms and soils.

**Prerequisite:** GEOL S104 or ENVS S102.

**GEOL S302 Hydrology**

4 credits (3+3)

An introduction to hydrology emphasizing physical processes and interactions between hydrological phenomena and human activities. Hydrological measurements, data analysis, quantitative descriptions, and field observations are fundamental to this course.

**Prerequisite:** ENVS S102/GEOG S102 or GEOL S104, and MATH S152.

**GEOL S320 Mineral, Energy, and Renewable Resources**

3 credits (3+0)

An in-depth examination of the geologic occurrence and formation of mineral, energy, and groundwater resources, their extraction and use, with particular emphasis on associated environmental impacts. Focus is on metallic ore deposits, nonmetals, petroleum resources, coal, alternative energy resources, and aquifers.

**Prerequisite:** GEOL S104 or ENVS S102/GEOG S102.

# Health Information Management (HIM)

## **HIM S101 Introduction to Health Information Management I**

3 credits (2.5+1)

An overview of health care systems and the health information management profession. Introduces classification systems, health record content and documentation, data governance and management, and secondary data sources. Presents information protection, access disclosure, archival, privacy and security. Introduces informatics, analytics and data use, including health information technologies, information management strategic planning, decision support, health care statistics, research methods, consumer informatics, health information exchange and information integrity and data quality.

**Prerequisite:** Admission to any HIM program.

## **HIM S102 Introduction to Health Information Management II**

3 credits (3+0)

An overview of health care systems and the health information management profession. Introduces revenue management and reimbursement. Explores compliance in relation to regulatory, coding, fraud surveillance, and clinical documentation improvement. Introduces leadership roles, change management, work design and process improvement, human resource management, training and development, strategic and organizational management, financial management, ethics, project management, vendor management and enterprise information management.

**Prerequisite:** Admission to any HIM program.

## **HIM S116 Mathematics in Health Care**

3 credits (3+0)

Cross-listed as HS S116. Practical application of mathematics in health care, including arithmetic review, percentages, interest, ratio, proportion, dimensional analysis, metric system, medication calculation, graphs, charts and measurement instruments.

**Prerequisite:** MATH S054 with a C (2.00) or better, or placement into MATH S055 or higher.

## **HIM S117 Applied Healthcare Statistics**

3 credits (3+0)

Application of financial statistics in the inpatient and outpatient setting.

## **HIM S135 Medical Terminology**

3 credits (3+0)

Cross-listed as HS S135. An introduction to root forms, prefixes and suffixes, and medical abbreviations. Focus is on terminology of body systems related to symptomatology, diseases and treatment.

## **HIM S155 Coding I: Outpatient**

3 credits (3+0)

Introduction to outpatient coding diagnoses and procedures, sequencing, coding conventions, and software. Overview of fraud and abuse regulations as they pertain to coding and billing. Focus on HCPCS/CPT, ICD, ambulatory care coding including coding guidelines and sequencing.

**Prerequisite:** HS S114 or concurrent enrollment and HIM S135 and admission to any HIM program, or departmental permission.

## **HIM S181 Introduction to Healthcare Systems**

3 credits (3+0)

Introduces the use of electronic records and resources in today's health care environment. Presents an overview of automated health information management functions and emerging technologies. Examines the use of electronic health records and the impact of privacy and security concerns.

## **HIM S240 Legal Aspects of Health Information**

3 credits (3+0)

Review of legal implications of health records and related legal issues including the patient record as a legal document. Examination of emerging laws and legal trends impacting the management of health care information. Introduction to risk management and the role of the HIM professional as compliance and privacy officer.

## **HIM S251 Quality Improvement and Project Management**

3 credits (3+0)

Introduction to total quality management and improvement including history, philosophy, definitions, and tools. Explores performance improvement through review of case studies, with an overview of the historical development of case management. Introduces project management as related to HIM and implementation of electronic health information.

**Prerequisite:** HIM S117.

## **HIM S255 Coding II: Inpatient**

3 credits (3+0)

Introduction to inpatient coding diagnoses and procedures, sequencing, coding conventions, and software. Overview of fraud and abuse regulations as they pertain to coding and billing. Introduction to reimbursement methodologies related to inpatient coding. Focus is on HCPCS/CPT, ICD, inpatient coding including coding guidelines and conventions.

**Prerequisite:** HS S114 or concurrent enrollment and HIM S135.

## **HIM S258 Coding III: Advanced Coding**

3 credits (3+2)

An in-depth focus on coding issues, including coding validation, data accuracy, coding guidelines and training; and reimbursement and clinical documentation improvement. Impact of coding on financial stability of an organization.

**Prerequisite:** HIM S155 and HIM S255 or departmental permission.

## **HIM S261 Revenue and Financial Management for Healthcare**

3 credits (3+0)

An introduction to critical components of managing accounts for healthcare organizations in the areas of claims processing, account resolution, budgets, finance, and compliance. Focus is on issues of billing and reimbursement for health care facilities and overview of third party payers.

**Prerequisite:** HIM S102.

**HIM S272 Pathophysiology and Pharmacology**

4 credits (3+2)

Introduces basic concepts underlying various pathological processes. Students draw on their knowledge of normal anatomy and physiology to understand how pathogenesis of disease occurs. Discussion of diseases, diagnostic process testing, and treatment options. Introduces drug terminology, administration, toxicity, vocabulary, standards and references. This course may not meet requirements for nursing programs.

**Prerequisite:** HS S114.

**HIM S280 Health Care Management**

3 credits (3+0)

Concepts of management including management functions. A case study approach is employed to discuss responses to a variety of management functions through the use of guest speakers. Evaluation will be based on class participation, oral presentations, and completion of case studies.

**Prerequisite:** Completion of all 100-level program courses.

**HIM S281 RHIT Certification Exam Preparation**

1 credit (1+0)

Provides a review of AHIMA skills needed to prepare for the Registered Health Information Technician (RHIT) credential examination.

**Prerequisite:** Completion of all HIM lower level program with C or higher, or concurrent enrollment.

**HIM S282 CCS Examination Preparation**

1 credit (1+0)

Provides a review of American Health Information Management Association (AHIMA) skills needed to prepare for the Certified Coding Specialist (CCS) credential examination.

**HIM S285 Healthcare Privacy and Security**

3 credits (3+0)

An in-depth review of federal and state regulations and laws pertaining to the privacy and security of Protected Health Information (PHI) in all formats (paper/electronic).

**HIM S289 Healthcare Information Technology**

3 credits (3+0)

An overview of the clinical, research, and administrative applications of computers in the health care industry. Emphasizes the role of this technology and the data collected in accomplishing the objectives and procedures of the principle functional areas, and the interrelationships of the organizational units with respect to data acquisition, storage, analysis, retrieval, and use.

**HIM S291 Internship: Healthcare Management**

2 credits (.5+0+6)

Seventy-five hours of professional internship in an assigned health care setting. Application of operational management theory for a health information service. Orientation to all aspects of practice as a health information manager. Completion of management projects designed jointly by student and clinical supervisor. Student writes project report and site evaluation.

**Prerequisite:** HIM S280 (may be taken concurrently).

## Health Science (HS)

**HS S101 Introduction to Health Sciences**

3 credits (3+0)

Provides a description of health care professions and the interdisciplinary team, job responsibilities, educational and licensing requirements, employment trends, and salary ranges for health related careers. Students will have an exposure to the history and development of health care in Alaska and the United States. Health care issues will be examined with an emphasis on ethics and cultural diversity. The principles of critical thinking will be introduced and communication skills will be promoted through collaborative discussion, presentation, and projects.

**HS S102 Fundamentals of CPR and First Aid**

1 credit (1+0)

Basic CPR techniques and First Aid for controlling bleeding, shock, seizures, obstructed airway/choking, hot and cold-related emergencies, and diabetic crisis. Signs and symptoms of stroke and heart attack are reviewed, as is use of A.E.D. Safety and prevention practices are discussed. The course meets certification requirements for child care providers, outdoor guides, lifeguards, home health aides, group homes, and certified nurse aids. Course materials are derived from American Safety and Health Institute and American Heart Association guidelines.

**HS S105 Certified Nurse Aide Training**

9 credits (6+6)

Provides education and training to students in both theory and basic nursing skills necessary to become efficient and productive members of a healthcare team. Students must successfully pass the didactic portion of the coursework with 75% or higher, and pass the skills/clinical training program with 100% in order to be eligible to qualify to sit for the State of Alaska Nurse Aide certification exam. A minimum of 60 hours of didactic and 80 hours of skills/clinical training are required.

**Prerequisite:** Instructor approval and completed application with criminal background check, health examination, current TB test and immunizations.

**HS S114 Fundamentals of Anatomy and Physiology**

4 credits (4+0)

Non-laboratory overview to the anatomical structures and functions of the human body. Includes integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, special senses, immune, respiratory, urinary, digestive and reproductive systems. Introduces signs and symptoms, diagnostic measures and treatments of common human disease processes.

**Prerequisite:** HS S135 or HIM S135 (C- or higher) or concurrent enrollment.

**HS S116 Mathematics in Health Care**

3 credits (3+0)

Cross-listed as HIM S116. Practical application of mathematics in health care, including arithmetic review, percentages, interest, ratio, proportion, dimensional analysis, metric system, medication calculation, graphs, charts and measurement instruments.

**Prerequisite:** MATH S054 with a C (2.00) or better, or placement into MATH S055 or higher.

**HS S118 Emergency Trauma Technician - First Responder**

3 credits (2+2)

Designed specifically for Alaskan conditions and needs, addressing environmental problems such as hypothermia as well as first aid. Prepares students to deal with emergencies: ensure scene safety, provide patient care and transport, document incident. For non-medical workers in construction, logging, mining, law enforcement, ski patrol and other occupations where emergency care may be needed.

**HS S119 Emergency Medical Technician I**

6 credits (6+2)

Training to provide assessment of and basic care for persons with medical emergency in pre-hospital settings. Conditions include acute trauma, pulmonary arrest, wounds, cardiac arrest, shock, fractures, and childbirth. Techniques are presented for lifting and moving the sick and injured. Course provides for State of Alaska EMS requirement of 120 contact hours, minimum.

**HS S135 Medical Terminology**

3 credits (3+0)

Cross-listed as HIM S135. An introduction to root forms, prefixes and suffixes, and medical abbreviations. Focus is on terminology of body systems related to symptomatology, diseases and treatment.

**HS S194 Practicum:****HS S203 Science of Nutrition**

3 credits (3+0)

Introduction to nutrition as a health science. Students examine the basic principles of nutrition as they relate to human needs and behaviors throughout the life cycle. Some elements of clinical nutrition are explored. Meets the nutrition requirement for nursing and other health science majors.

**Prerequisite:** CHEM S103, BIOL S111, BIOL S112, BIOL S240, or HS S114, or concurrent enrollment in any of these courses.

**HS S206 Introduction to Environmental Health**

3 credits (3+0)

An overview of the relationship of people to their environment, how it affects their physical well-being and what they can do to influence environmental quality and to enhance public health protection. Examines health problems associated with chemical, physical and biological agents, how they impact food safety, infectious disease, air quality, water quality and land resources in community and occupational settings. Policies intended to improve public health through mitigation of environmental impacts are also discussed.

**Prerequisite:** WRTG S110.

**HS S291 Health Sciences Internship**

3-6 credits (0+0+12-24)

Students are employed (paid or unpaid) in either a facility or community-based healthcare setting. Students work in an approved agency, under supervision of both a qualified professional at work and a faculty sponsor. Requires 50 clock hours per credit.

**Prerequisite:** Admission to HS program and faculty permission via approval form.

## History (HIST)

**HIST S105 \*World History I**

3 credits (3+0)

GER. Survey of the political, social, economic, and cultural history of the Near East, Asia, Europe, Mesoamerica and Africa, from antiquity to the 16th century.

**HIST S106 \*World History II**

3 credits (3+0)

GER. Survey of the political, social, economic, and cultural developments that have created the modern global system since the 16th century.

**HIST S131 \*History of the U.S. I**

3 credits (3+0)

GER. The discovery of America to 1865; colonial period, Revolution, formation of the Constitution, western expansion, Civil War.

**HIST S132 \*History of the U.S. II**

3 credits (3+0)

GER. Continuation of HIST 131 from Reconstruction to the present.

**HIST S300 Historiography and Historical Methods**

3 credits (3+0)

Readings and discussions on the nature of history, historical study and writing, recent tendencies in historical scholarship, and methods of historical research.

**Prerequisite:** WRTG S111 and 12 credits in history.

**HIST S341 History of Alaska**

3 credits (3+0)

The Russian background; acquisition, settlement and development of Alaska as an American territory and the 49th State.

**Prerequisite:** Six credits of history or permission.

**HIST S350 Ancient Civilizations**

3 credits (3+0)

Cross-listed ANTH S350. Examines the origins of agriculture and animal domestication, urbanization, and the emergence of state-level societies in world regions such as Egypt, Mesoamerica, and the Andes. Topics include socio-political organization, subsistence, material culture, and religion.

**HIST S361 The Civil War Era (1848-1877)**

3 credits (3+0)

Addresses the underlying causes and consequences of the American Civil War, with a particular focus on the political crises, economic transformations, and cultural divisions that fueled the worst conflict in the nation's history.

**Prerequisite:** WRTG S111 and six credits of history.

**HIST S362 United States History 1865-1919**

3 credits (3+0)

Investigates the creation of "modern" America from the end of the Civil War through World War I. Specific focus on the collapse of the slave economy, the restoration of white supremacy, the acceleration of industrialism and big business, the conquest of native land and culture, U.S. imperialism in Latin America and the Pacific, new immigration from Europe and Asia, and the emergence of popular reform movements among workers, farmers, women, and African Americans.

**Prerequisite:** WRTG S111, six credits of history, and upper division standing; or instructor permission.

**HIST S363 United States History 1919-1950**

3 credits (3+0)

Explores the period between the end of the first World War and the onset of the Korean War. Specific focus on the development of mass media and popular culture, the economic dimensions of the "Roaring 20's", the onset and consequences of the Great Depression, the rise of labor and the New Deal coalition, World War II, and the early years of the Cold War.

**Prerequisite:** WRTG S111, six credits of history, and upper division standing; or instructor permission.

**HIST S364 United States History Since 1950**

3 credits (3+0)

Considers the recent history of the United States from the Cold War to the present. Emphasizes the culture and politics of the Cold War, the civil Rights struggle, the Vietnam War, the Women's movement, the New left and New Right, shifting patterns of immigration, globalization of the US economy and culture, and the war on terrorism.

**Prerequisite:** WRTG S111, six credits of history, and upper division standing; or instructor permission.

**HIST S370 Modern European Intellectual History**

3 credits (3+0)

Explores major intellectual developments from Europe that have been influential in shaping the modern mentality, from liberalism, socialism, feminism, realism, and existentialism, to critical theory, structuralism, poststructuralism, and postmodernism.

**Prerequisite:** WRTG S111 and six credits from the humanities or social sciences, or instructor permission.

**HIST S375 Current Issues in History: Selected Topics**

3 credits (3+0)

Explores current issues concerning a historical method or topic in depth. Includes such fields as area studies, comparative history, cultural history, economic history, ethnic or gender studies, political or social history. May be repeated for credit providing the content differs.

**Prerequisite:** WRTG S111 and six credits of history, or instructor permission.

**HIST S380 History of Gender and Sexuality**

3 credits (3+0)

A reading seminar on the historical construction of gender, and on the use of gender as a critical category for reinterpreting major historical events.

**Prerequisite:** WRTG S111 and six credits of history and upper-division standing; or instructor permission.

**HIST S390 Archives and Museums Theory and Practice**

3 credits (3+0)

Cross-listed as ANTH S390. Introduces students to archives and museum theory and practices for potential careers in libraries, archives, and museums. Focuses on the archival profession, with the museum profession as a secondary topic. Students prepare for potential internships at local repositories.

**Prerequisite:** WRTG S111 and upper division standing, or instructor permission.

**HIST S398 Individual Research****HIST S420 The Holocaust**

3 credits (3+0)

Examines the Nazi genocide of the European Jews. Explores questions such as: How was the Holocaust possible? Who were the perpetrators? Who were the victims? Who collaborated with and who resisted Nazi policies of racism and elimination? What are legacies of genocide today?

**Prerequisite:** 6 credits of history, or instructor permission.

**HIST S440 The Western Movement**

3 credits (3+0)

Westward migration; establishment of new states and political institutions; influences of the West.

**Prerequisite:** HIST S131 and HIST S132.

**HIST S491 Internship:****HIST S492 Seminar in History: Selected Topics**

3 credits (3+0)

In-depth exploration of a major topic in history through a course of readings and discussions. Students will refine skills in critical thinking, analysis of sources, and working with a variety of historical interpretations. May be repeated for credit provided the content differs.

**Prerequisite:** WRTG S111, six credits of history, and upper division standing; or instructor permission.

**HIST S498 Research:**

## Honors (HNRS)

**HNRS S201 Orientation to the Honors Program**

1 credit (1+0)

This orientation to the UAS Honors Program is open to all students, and introduces the opportunities and requirements of the program. It prepares students for more engaging academic work by establishing a cohort of supportive peers, promoting information literacy, and identifying resource and scholarship opportunities to help students make the most of their undergraduate efforts. The class is required for completion of the UAS Honors Program.

**HNRS S392 Seminar:**

## Human Services (HUMS)

### **HUMS S101 Introduction to Behavioral Health Practices** 3 credits (3+0)

Introduces learners to key elements and concepts in the field of behavioral health. Provides an overview of mental health and co-occurring disorders, working with diverse and vulnerable populations, basic assessments and screening instruments, community navigation, and prevention strategies. Covers contemporary health care issues such as funding, rural care, emerging clinical issues, and workforce shortages.

### **HUMS S135 Beginning Therapeutic Interventions** 3 credits (3+1)

Introduces learners to various evidence-based and effective therapeutic interventions used in behavioral change and mental health treatments. Covers motivational interviewing, non-violent communication, energy psychology techniques, crisis management, conflict resolution, dealing with difficult patients, de-escalation, and safety of both client and health worker.

### **HUMS S180 Introduction to Addiction, Trauma, and Crises** 3 credits (3+0)

Introduces concepts, principles, and relationships between trauma, addictions, and crises, and their effects on individuals, families, and society. Examines these topics through a bio-psycho-social-spiritual framework that prioritizes an informed perspective toward self-care and developing a client plan.

## Humanities (HUM)

### **HUM S105 Critical Reading in the Humanities** 3 credits (3+0)

Provides a range of readings in the humanities, and strategies for interpreting, analyzing and synthesizing written texts. Extensive reading and response via oral, written and other creative methods. A reading research project is required. Course may be selected by student, or required by English placement test scores.

### **HUM S120 \*Cultures and Environments** 3 credits (3+0)

GER. The course focuses on approaches to studying the environment in the humanities and social sciences and provides an introduction to the study of the ways cultures relate to, influence, and are influenced by, their environments.

**Prerequisite:** WRTG S090 or higher or concurrent enrollment, or placement into WRTG S110, or instructor permission.

### **HUM S210 BLA Portfolio Review** 1 credit (1+0)

Students develop and assemble an assessment portfolio that will be maintained and updated throughout the Bachelor of Liberal Arts (BLA) program. Required course for the BLA degree.

**Prerequisite:** WRTG S111 (C or better).

### **HUM S216 Introduction to Linguistics** 3 credits (3+0)

Cross-listed as ANTH S216. Scientific study of the structure, distribution and diversity of human language. Examines the branches of systematic linguistic analysis: phonetics, phonology, morphology, syntax; and the divisions of linguistic study such as socio- and neuro-linguistics, language acquisition; drawing examples from Alaska's and many other languages.

### **HUM S360 Alaska: A Contested Geography** 3 credits (3+0)

Cross-listed as GEOG S360. Examines Alaska from the lens of place-identity. Includes perspectives from industry, environment, government, and indigeneity through the disciplinary focus of environmental humanism and cultural geography. By asking questions about Alaska from the perspective of place, the course will help ground students in Alaska's history and culture, and review how the region is and continues to be defined.

**Prerequisite:** Upper division standing.

### **HUM S370 Sport, Leisure, and Culture** 3 credits (3+0)

Understanding leisure is a key part of understanding who we are on a cultural and personal level. Leisure activities play an important role in developing our sense of identity. What is the function of leisure and recreation in American society, and why do we understand them as we do? Course introduces the concept of leisure from historical and philosophical perspectives, considered from various cultures and times. Special attention is given to sport and outdoor recreation.

**Prerequisite:** Upper division standing or instructor permission.

### **HUM S372 Salmon, Sport, and Society** 3 credits (2+2)

Thinking critically about the relationship between salmon and people, this class explores the history and the current threats to Pacific salmon and steelhead through the lens of sport fishing. Presents a unique opportunity to engage with the cultural and political issues inherent to fisheries management. Students will read widely in the literature of steelhead fly fishing, while also preparing a service-learning project and learning the basics of steelhead fly fishing. Course concludes with a week in the field working with secondary students in Yakutat, Alaska, while honing fly fishing skills by pursuing steelhead on the Situk River. Students must be physically fit and prepared to spend significant time outside in inclement weather. Requires a valid Alaska fishing license to participate.

**Prerequisite:** Instructor permission required.

### **HUM S391 Internship:**

### **HUM S491 Internship:**

### **HUM S499 Humanities Capstone** 3 (1+0+8)

Helps students synthesize learning and skills acquired in their undergraduate program and prepare them for postgraduate life. Opportunities to reflect on choices and consequences, to articulate ideas and experiences, is facilitated by texts and discussion. Students prepare a portfolio and will present their work at an instructor-approved conference or forum. Pass/Fail grading.

**Prerequisite:** Senior standing in a UAS degree program.

## Interdisciplinary Studies (INDS)

### **INDS S200 Fundamentals of Interdisciplinary Studies**

3 credits (3+0)

Introduces students to the rich potential of interdisciplinary, transdisciplinary, and decolonized studies rooted in place—from the cultures and environments of Southeast Alaska to global political economy. Students will develop such competencies as a foundation for integrating personal inquiry, academic research, and professional expectations focused through culturally responsible community engagement.

**Prerequisite:** WRTG S111 or instructor permission.

### **INDS S300 Interdisciplinary Theory and Practice**

3 credits (3+0)

Emphasizes student articulation, participation, and cultivation of interdisciplinary theories and practices. Builds upon the fundamentals of interdisciplinary studies in order to transition students into a major track in the Interdisciplinary Studies program. Over the course of the semester students will deepen their understanding of interdisciplinary study and put this into practice through various models of community engagement.

**Prerequisite:** INDS S200 or upper division standing, or instructor permission.

### **INDS S499 Interdisciplinary Capstone**

3 credits (3+0)

Support graduating seniors in the Interdisciplinary Bachelor of Arts to complete and present a significant project demonstrating fulfillment of degree program outcomes. Under faculty advisement, students will complete and present on a group project, internship, or independent study.

**Prerequisite:** INDS S300.

## Justice (JUST)

### **JUST S102 Fundamentals of CPR and First Aid**

1 credit (1+0)

Cross-listed as HS S102. Basic CPR techniques and First Aid for controlling bleeding, shock, seizures, obstructed airway/choking, hot and cold-related emergencies, and diabetic crisis. Signs and symptoms of stroke and heart attack are reviewed, as is use of A.E.D. Safety and prevention practices are discussed. The course meets certification requirements for child care providers, outdoor guides, lifeguards, home health aides, group homes, and certified nurse aids. Course materials are derived from American Safety and Health Institute and American Heart Association guidelines.

### **JUST S103 Law Enforcement Procedures**

4 credits (3+2)

A statutory law course covering individual rights, constitutional safeguards, and rules of evidence. Constitutional issues such as search and seizure, 5th Amendment, and 14th Amendment are studied.

### **JUST S104 Ethics and Conduct**

1 credit (1+0)

Specific instruction in the professional standard law enforcement ethics, conduct, and Community Oriented Policing philosophy. Provides the tactical tools necessary to successfully manage routine transactions as well as extraordinary confrontations. Fosters discussion about values, integrity, and principles as they relate to law enforcement.

### **JUST S105 Traffic Law and Enforcement**

4 credit (2+4)

Course covers preparation of D.U.I. enforcement, drinking drivers and driving, the D.U.I. statute, issues and defenses, pharmacology and toxicology, theory and operation of the intoximeter, courtroom testimony, and case preparation. Accident investigation techniques and field exercises are included.

### **JUST S106 Enforcement Techniques**

3 credits (1+4)

Introduction to the basic skills necessary to use firearms (both pistol and shotgun), operate a motor vehicle under emergency conditions, and use of expandable tactical baton, taser, and oleo capsicum (pepper) spray effectively. A continuum on the use of force, judgment in the use of deadly force, physical defense tactics, and physical arrest.

### **JUST S107 Criminal Justice**

3 credits (3+0)

Course covers physical evidence and crime scene investigation, drug identification and case procedures, arson, sex crimes, and instruction in fingerprinting and investigation practices.

### **JUST S110 Introduction to Law Enforcement**

3 credits (3+0)

Survey of the structure and process of criminal justice agencies. Includes an introduction to criminal law, police, courts, corrections and criminology. Introduces students to the history of the criminal justice system in the United States and traces the origins and historical foundation of the present day systems and associated agencies, with a focus on law enforcement in our society. Also introduces students to various political theories of justice and principles of causation as it relates to criminal behavior.

### **JUST S121 Policing in the Community**

3 credits (3+0)

Introduces students to the general function of law enforcement in our society with an emphasis on basic patrol procedures in the community. Also exposes students to crisis intervention and emergency police procedures including emergency police communications, interpersonal relations and problem solving.

### **JUST S125 Introduction to Addictions**

3 credits (3+0)

Alcohol, tobacco, and other drugs will be studied along with addictive behaviors related to satisfying the pleasure center of the brain which are not substance-related such as compulsive shopping, problem gambling, and the various computer-related addictions. Survey of the theories of addiction including the disease model of addiction, behavioral addictions, addiction treatment, and more. Focus will center on those addictions specific to Alaska.

**JUST S131 Rural Justice in Alaska**

3 credits (3 + 0)

An examination of the application of the western justice system to remote Alaska villages including issues that arise from cultural conflicts, difficulties associated with a centralized justice system servicing remote communities off the road system, the Federal/Indian or Native Alaskan relationship, and a description of criminal behavior occurring in the villages. Exposure to alcohol and substance related issues. These include Tribal justice-related solutions, local options laws, and other efforts to curb the negative aspects of alcohol and substance abuse in rural Alaska.

**JUST S202 Criminal Investigation and Interviewing**

3 credits (3+0)

Provides students with exposure to the criminal investigation process. Included are an introduction to the historical foundation to current investigative techniques including the methods, principles, and technology involved in current investigation. Fingerprints, DNA and other modern crime scene technology are examined and explored. The CSI effect on current police investigative practices and the overall effect on policing will also be introduced.

**Prerequisite:** JUST S110.**JUST S212 Criminal Procedures**

3 credits (3+0)

Students will be presented with an introductory examination of criminal procedures and how those procedures are applied by law enforcement agencies and criminal justice professionals. Emphasis upon the legal limitations of the police and the right of the people to be secure from the government under the protections of the United States Constitution and the Rules of Evidence.

**Prerequisite:** JUST S110.**JUST S222 Research Methodology**

3 credits (3+0)

Overview of research methodology utilized within the structure of social science as applicable to scientific theory and resolution, particularly as applicable to law enforcement. Specific basic methods and designs will be outlined and studied as they apply to conducting surveys, recording observations, and conducting appropriate experiments within the realm of social science. Statistical analysis will be introduced.

**Prerequisite:** JUST S110.**JUST S252 Criminal Law**

3 credits (3+0)

A general study of the elements, purposes, and functions of criminal law with emphasis on historical and philosophical concepts.

**Prerequisite:** JUST S202.**JUST S261 Ethics in Criminal Justice**

3 credits (3+0)

An examination of the ethical and moral concepts, and their relationship to criminal justice issues. This course applies ethics theories to the criminal justice institutions of police, courts and corrections. Examines ethical and moral dilemmas which confront law enforcement officers and crime control policy makers. **Prerequisite:** JUST S212

**JUST S294 Law Enforcement Practicum**

3 credits (1+0+8)

Practical experience gained by working alongside professionals in law enforcement is invaluable. This practicum will introduce the student to the real world of law enforcement and justice by working at one of the select participating law enforcement or justice agencies. Critical real-life exposure to areas covered in academic study will greatly enhance and reinforce the learning experience for the student in this practicum.

**Prerequisite:** Permission of Enforcement program director.

## Law Science (LAWS)

**LAWS S101 Introduction to Law**

3 credits (3+0)

Designed as a survey course to familiarize students with substantive legal concepts, legal procedures, legal systems, legal resources and legal reasoning.

**LAWS S330 Legal Environment of Business**

3 credits (3+0)

Cross-listed as BA S330. This course examines business in its relation to the legal and judicial systems and to government regulation. It explores legal concepts and issues pertaining to competition, sales, employees, liabilities and forms of doing business.

**LAWS S332 Contracts**

3 credits (3+0)

Cross listed: BA S332. Law related to the formation of a contract including the offer, acceptance, and consideration; defenses to the formation and enforcement of contracts, performance of contracts, excuse, discharge, and damages.

**Prerequisite:** LAWS S101 or BA S330/LAWS S330.**LAWS S360 Business Organizations**

3 credits (3+0)

Cross-listed as BA S360. This course will cover the theoretical and substantive aspects of the formation, operation, and dissolution of various types of business organizations. The subjects will include the law of sole proprietorships, partnerships, limited liability companies, and corporations. Aspects of agency and employment law will also be examined.

## Library Science (LS)

**LS S110 Library Resources and Information Literacy**

1 credit (1+0)

Introduction to rapidly evolving online research methods and the principles of information retrieval and organization. Emphasis is on skills necessary for successful evaluation and use of virtual and physical library collections. Skills acquired are immediately relevant for other courses.

**LS S111 Library Information Literacy for E-Learners**

1 credit (1+0)

Introduction to rapidly evolving online research methods and the principles of information retrieval and organization. Designed for students without access to physical libraries; emphasis is on skills required to navigate the virtual library environment, and services for e-learners. Includes locating and evaluating information in e-book collections, article databases, and Internet resources. Skills acquired are immediately relevant for other courses. Requires access to a computer with Internet and e-mail.

**LS S193 Special Topics in Library and Information Science**

1-3 credits (1-3 +0)

Varying topics in the fields of library and information science and technology. May be repeated for credit when content differs.

**LS S220 Internet and Society**

3 credits (3+0)

Internet technologies play an important, often controversial, role in contemporary society, touching almost every aspect of our lives. Many dramatic, both dystopian and utopian, claims have been made about the transformative effects of these technologies. The course will provide deeper understanding of the power structures that shape the Internet, social media and contemporary society.

**Prerequisite:** WRTG S111 (C 2.0 or better) or concurrent enrollment, or instructor permission.

**LS S293 Special Topics in Library and Information Science**

1-3 credits (1-3 +0)

Varying topics in the fields of library and information science and technology. May be repeated for credit when content differs.

## Marine Transportation (MTR)

**MTR S119 Small Vessel Operator**

1 credit (1+0)

Learn to safely operate a small vessel in Alaskan waters. Covers navigation, rules of the road, trip planning including weather, radio operation, line handling and vessel operation including a practice session on the water. Foul weather/rain gear may be required.

**MTR S120 Outboard Motor Maintenance**

1 credit (0+2)

An introduction to outboard systems that need maintenance and upkeep for efficient operation. Ignition, carburetion power head and lower unit systems will be studied emphasizing preventive maintenance.

**MTR S121 Outboard and Small Engine Repair**

3 credits (1+4)

Outboard and small engine repair theory, diagnosis service and repair of outboard and other small gasoline engines.

**MTR S122 Diesel Engine Maintenance**

1 credit (1+0)

An introduction to diesel engine systems that need maintenance and upkeep for efficient operation. Basic principles, fuel, air intake and exhaust, lubricating, cooling and starting systems will be studied, emphasizing preventive maintenance.

**MTR S129 Basic Training**

2 credits (2+1)

This US Coast Guard approved course meets the requirements of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW) 95. The four modules of the course are Personal Survival, Basic Fire Fighting, First Aid/CPR, and Personal Safety Social Responsibility. Beards must be shaven to insure a good Self Contained Breathing Apparatus (SCBA) face mask seal.

**Prerequisite:** Must have a doctor's approval to physically demonstrate practical competencies, and must pass an English proficiency exam.

**MTR S181 Marine Electrical Systems**

3 credits (3+0)

An overview of the theory and practice of electrical circuits as applied to alternating and direct current. Provides an introduction to basic electrical theory, circuit fundamentals and practical wiring techniques, and theory of operation and use of VOM meters. Includes marine applications of power generation and power distribution systems.

**MTR S182 Naval Architecture and Engineering Systems**

1 credit (1+0)

An overview of ship design and construction including ship nomenclature, fittings, and equipment. Ship layout and operation to include tanks, valves, piping systems and boilers.

**MTR S220 Proficiency in Survival Craft**

2 credits (1.5+1)

This U.S. Coast Guard approved course provides training in the use of lifeboats, life rafts and survival gear. It meets the requirements of 46 CFR 12.10-3(a)(6) and 46 CFR 12.10-5 for endorsement for Lifeboatman. It also meets the requirements of Section A-VI/2 and Table A-VI/2-1 of the Standards of Training, Certification and Watchkeeping for Seafarers (STCW) 95. Rain gear may be needed for outside drills.

**MTR S225 Able Seaman**

2 credits (1.5+1)

Students will learn rules of the road, ship nomenclature, knots, splices, and general seamanship topics. This course is approved for third party testing. A UAS certificate of completion is accepted as a substitute for testing by the U.S. Coast Guard.

**Prerequisite:** MTR S220 (formerly offered as MT S230) or instructor permission.

**MTR S226 Ratings Forming Part of a Navigation Watch (RFPNW)**

1 credit (1+0)

This U.S. Coast Guard approved course satisfies the Standards of Training and Certification of Watchkeeping (STCW) 95 for Ratings Forming Part of a Navigation Watch. Included in the course are helm commands and duties of a mariner on a navigation watch.

**MTR S228 Fast Rescue Boat (FRB)**

2 credits (1+2)

Required for persons assigned to operate Fast Rescue Boats. It is USCG approved and meets the requirements for Standards, Training and Certification of Watchkeeping (STCW) 95. Much of the class time is spent operating a fast rescue boat on the water. Requires prior experience handling a skiff, warm clothing and rain gear.

**MTR S239 Master 100 Ton and Operator of Uninspected Passenger Vessel**

5 credits (4+2)

This course and instructor have been approved by the US Coast Guard for third party testing. A UAS certificate of completion is accepted as a substitute for testing by the Coast Guard. Depending on sea experience and other Coast Guard requirements, a person passing this course is eligible to receive an Operator of Uninspected Passenger Vessel (OUPV, commonly called a 6-pack license) up to a Master 100 Gross Ton license.

**MTR S240 Master 200 Ton Upgrade**

2 credits (2+0)

Intended for mariners with a USCG 100 Ton Master's license who want to upgrade to a 200 Ton license. The course and instructor are USCG approved for testing in class. Subjects covered are chart plotting, regulations, stability, power plants, and vessel construction.

**Prerequisite:** MTR S239 or USCG Master's license.

**MTR S241 Towing Apprentice Mate (Steersman) Upgrade**

1 credit (1+0)

Intended for mariners seeking a license as Apprentice Mate (Steersman) of Towing Vessels. Any student successfully completing the course will satisfy the Coast Guard examination requirements of 46 CFR 10.205(i) for original issuance or 46 CFR 10.209(c)(iii) for renewal of a license as Apprentice Mate (Steersman) of Towing Vessels or Mate (Pilot) of Towing Vessels.

**Prerequisite:** USCG Master/Mate not more than 200 GRT License or mariners holding a 25, 50, or 100-Ton license must complete MTR S240 Master 200-Ton Upgrade within one year of completion of this Apprentice Mate course.

**MTR S242 Advanced Fire Fighting**

2 credits (2+0)

Marine firefighting preparedness and response leadership. Subjects include fire prevention, ship organization, damage control and stability. This course is USCG approved and meets the Standards of Training and Certification of Watchkeeping (STCW) 95.

**Prerequisite:** MTR S129 or a certificate in Basic Fire Fighting.

**MTR S244 Crisis Management and Human Behavior**

1 credit (1+0)

Intended for mariners responsible for cargo and the safety of passengers in emergency situations. It meets the Crisis Management and Human Behavior requirements of Standards, Training and Certification of Watchkeeping (STCW) 95 including Roll On Roll Off (Ro-Ro) passenger vessels.

**Prerequisite:** Requires US Coast Guard approved certificate of completion in Crowd Management, or instructor approval.

**MTR S250 Radar Observer**

2 credits (1+2)

U.S. Coast Guard approved course provides training in basic radar theory. Topics include navigation and collision avoidance. Great emphasis is placed on plotting techniques. Radar Observer utilizes the Nautilus Educational Systems (NRAS) radar simulator. Meets the requirements for uninspected tow vessels greater than 26 feet.

**MTR S252 Automatic Radar Plotting Aids (ARPA)**

2 credits (1+2)

This US Coast Guard approved course satisfies the Standards of Training and Certification of Watchkeeping (STCW) 95 for ARPA. Assessments for Officer in Charge of a Navigation Watch (OICNW) relating to ARPA are included in the course. Students are strongly advised to review Rapid Radar Plotting before the start of class.

**Prerequisite:** MTR S250 or US Coast Guard license with Radar Observer endorsement.

**MTR S254 Electronic Chart Display Information Systems (ECDIS)**

2 credits (1+2)

Provides USCG approved training in the theory and use of Electronic Chart Display Information Systems (ECDIS). Practical exercises using the Transas ECDIS operating program entail voyage planning and responding to maneuvering situations with other vessels in a real-time navigational environment using ship bridge simulators. Course meets Standards, Training and Certification of Watchkeepers (STCW) requirements in the use of ECDIS as revised by 2010 Manila Amendments.

**Prerequisite:** Students must have working knowledge of the nautical Rules of the Road, basics of navigation, radar, and ship handling.

**MTR S282 Marine Transportation Laboratory**

3 credits (.5+5)

This supervised laboratory serves as an extension for student classwork from other classes in the marine transportation program. All projects must be approved by the instructor prior to the start of class. Course may be repeated as necessary for project completion.

**Prerequisite:** Instructor permission required.

**MTR S291 Internship**

1-9 credits (0+0+ 4-36)

Pass/Fail grading.

**MTR S294 Marine Transportation Practicum**

1-6 credits variable (0+0+ 4-24)

Students are assigned projects designed to gain experience while working aboard a vessel under a qualified supervisor in cooperation with the instructor. Projects will emphasize practical use of knowledge. Instructor permission required.

## Mathematics (MATH)

**MATH S054 Prealgebra**

3 credits (3+0)

Topics include operations and applications of whole numbers, integers, fractions, decimals, ratios and proportions, percents, geometry and measures, evaluation of algebraic expressions and applications.

**Prerequisite:** Placement test.

**MATH S055 Elementary Algebra**

4 credits (4+0)

Introductory algebra course. Topics Include evaluating and simplifying algebraic expressions, polynomials, factoring, integer exponents, rational expressions, solutions of linear equations and inequalities, quadratic equations and graphs of lines.

**Prerequisite:** MATH S054 with a P, or math placement test.

**MATH S105 Intermediate Algebra**

4 credits (4+0)

Topics include expressions, equations and applications involving linear, quadratic, rational and radical functions; graphs of linear and quadratic functions; functions and their inverses; introduction to exponential and logarithmic functions; and systems of linear equations.

**Prerequisite:** MATH S055 with C (2.00) or higher, or placement test.

**MATH S113 \*Concepts and Contemporary Applications of Mathematics**

3 credits (3+0)

GER. Applications of mathematics in modern society. Topics include voting systems, management science, probability and statistics. Problem solving is emphasized.

**Prerequisite:** MATH S105 with C (2.00) or higher, or placement test.

**MATH S151 \*College Algebra for Calculus**

4 credits (4+0)

GER. A detailed study of algebraic, logarithmic and exponential functions; systems of equations; applications.

**Prerequisite:** MATH S105 with C (2.00) or higher, or placement test.

**MATH S152 \*Trigonometry**

3 credits (3+0)

GER. A study of trigonometric functions including graphing, identities, inverse trigonometric functions, solving equations and polar coordinates; applications.

**Prerequisite:** MATH S151 with C (2.00) or higher, or placement test.

**MATH S211 Mathematics for Elementary School Teachers I**

3 credits (3+0)

Designed for elementary education majors. Topics include sets, functions, numeration systems, integers, elementary number theory and rational numbers.

**Prerequisite:** MATH S151 or STAT S107 with C (2.00) or higher.

**MATH S212 Mathematics for Elementary School Teachers II**

3 credits (3+0)

Designed for elementary education majors. Topics include real numbers, informal geometry, measurement, statistics, and probability.

**Prerequisite:** MATH S151 or STAT S107 with C (2.00) or higher.

**MATH S251 Calculus I**

4 credits (4+0)

A first course in single-variable calculus. Topics include limits; continuity and differentiation of functions; applications of the derivative to graphing, optimization, and rates of change; definite and indefinite integration; and the Fundamental Theorem of Calculus.

**Prerequisite:** MATH S151 and MATH S152 with C (2.00) or higher, or placement test.

**MATH S252 Calculus II**

4 credits (4+0)

Further topics in single-variable calculus, including techniques of integration; applications of integration; convergence of sequences and series; parameterized curves; and polar coordinates.

**Prerequisite:** MATH S251 with C (2.00) or higher.

**MATH S253 Calculus III**

4 credits (4+0)

Multivariable calculus. Topics include vectors in 2- and 3-dimensions; differential calculus of functions of several variables; multiple integration; vector calculus, including Green's and Stokes' Theorem; and applications.

**Prerequisite:** MATH S252 with C (2.00) or higher.

**MATH S265 Introduction to Mathematical Proofs**

3 credits (3+0)

Designed for students majoring in mathematics. A study of proof techniques used in mathematics. Topics include logic, elementary set theory, relations, and functions.

**Prerequisite:** MATH S251 with C (2.00) or higher or instructor approval.

**MATH S302 Differential Equations**

3 credits (3+0)

First order differential equations, higher order linear differential equations, systems of linear differential equations, power series, Laplace Transform, numerical methods, and applications.

**Prerequisite:** MATH S253 with C (2.00) or higher or instructor approval.

**MATH S305 Geometry**

3 credits (3+0)

Selected topics from Euclidean geometry, hyperbolic geometry, elliptic geometry, projective geometry or affine geometry.

**Prerequisite:** MATH S251 with C (2.00) or higher.

**MATH S314 Linear Algebra**

3 credits (3+0)

Linear equations, finite dimensional vector spaces, matrices, determinants, linear transformations, eigenvalues, inner product spaces.

**Prerequisite:** MATH S251 with C or higher.

**MATH S392 Junior Seminar**

1 credit (1+0)

Advanced topics in mathematics that are not found in other course offerings. Possible topics include topology, number theory, and problem solving. Pass/Fail grading. May be repeated for credit.

**Prerequisite:** MATH S252 (formerly 201) and MATH S265 (formerly MATH 215) both with C higher.

**MATH S401 Introduction to Real Analysis**

3 credits (3+0)

A thorough development of continuity, convergence of sequences and series of numbers, convergence of sequences and series of functions.

**Prerequisite:** MATH S252 and MATH S265 both with C (2.00) or higher.

**MATH S405 Abstract Algebra**

3 credits (3+0)

Study of algebraic structures including groups, rings, integral domains, and fields.

**Prerequisite:** MATH S265 with C (2.00) or higher.

**MATH S410 Complex Variables**

3 credits (3+0)

Complex numbers and their algebraic properties; functions of complex variables; calculus of complex functions; selected applications.

**Prerequisite:** MATH S252 with C (2.00) or higher.

**MATH S411 History of Mathematics**

3 credits (3+0)

Topics in the history of mathematics from antiquity to the present.

**Prerequisite:** MATH S251 with C or higher.

**MATH S460 Mathematical Modeling**

3 credits (3+0)

Introduces the process of developing, analyzing and interpreting mathematical models. Specific areas of application will depend on student majors and/or areas of interest. Topics will be selected from applications of mathematical and statistical methods to the biological and physical sciences. Not repeatable for credit.

**Prerequisite:** MATH S251 with C (2.00) or higher.

**MATH S492 Senior Seminar**

1 credit (1+0)

Advanced topics in mathematics that are not found in other course offerings. Possible topics include topology, number theory, and problem solving. Students are required to give presentations. Pass/Fail grading. May be repeated for credit. May be repeated for credit.

**Prerequisites:** MATH 392 and departmental approval.

## Medical Assisting (MA)

**MA S133 Medical Assisting Procedures: Administrative I**

4 credits (3+2)

Introduces business aspects of medical offices and administrative duties of medical assistants. Includes telephone and reception procedures, appointment scheduling, medical law and ethics, professionalism, communication, and medical record keeping for the medical office.

**Prerequisite:** Admission to Medical Assisting program; HS S114; and HS S116 or 100-level math or higher; grade of C- or higher for all prerequisites.

**MA S142 Medical Assisting Procedures: Clinical I**

4 credits (3+3)

Introduction to the theory and competencies for clinical duties performed by medical assistants in outpatient facilities. Includes care of patients in the examining room, routine clinical procedures, vital signs, use and care of medical instruments and supplies, infection control, nutrition, electrocardiography, and safety and emergency practices.

**Prerequisite:** Admission to Medical Assisting program; HS S102, concurrent enrollment, or current first aid provider level CPR; HS S114; HS S116 or 100-level math or higher; grade of C- or higher in all prerequisites.

**MA S233 Medical Assisting Procedures: Administrative II**

4 credits (3+2)

Continuation of MA S133. Includes office management and basic financial practices used in medical offices, managed care and insurance, procedural and diagnostic coding.

**Prerequisite:** MA S133 (C- or higher).

**MA S242 Medical Assisting Procedures: Clinical II**

4 credits (3+3)

Continued theory and competencies for clinical duties performed by medical assistants in outpatient facilities. Includes classification and pharmacodynamics of medications, dosage calculation and medication administration, intradermal, subcutaneous and intramuscular injections, CLIA-waived laboratory procedures, urinalysis, venipuncture, emergencies and assisting with specialty examinations.

**Prerequisite:** MA S142 (C- or higher).

**MA S294A Medical Assisting Practicum**

4 credits (1+0+12)

Provides 180 hours of uncompensated, supervised work in a medical clinic for medical assisting students. Students will work alongside their preceptor to observe the required duties of a Medical Assistant in the healthcare setting, and apply learned principles, skills and knowledge required in private medical offices and clinics by performing equivalent tasks as final preparation for employment in the field. Learning is enhanced by online discussions, assignments and examinations. This is the last course in the Medical Assisting Certificate program.

**Prerequisite:** MA S133, MA S142, MA S233, or MA S242, current immunizations and TB test, first aid and provider-level CPR card, and instructor permission required.

## Mining Tech (MINL)

**MINL S120 Introduction to Mining Occupations and Operations**

3 credits (3+0)

Introduction to the variety of activities, processes, products, as well as entry-level jobs associated with Alaska's hard-rock mines. Students will learn about miner safety, traits, and skills, the planning and logistical requirements of remote site mine operations, the important uses of metals in our daily lives, and how mining companies protect the environment and comply with environmental regulations. Students will also learn about mine training, education, and scholarship opportunities available to Alaskans.

**MINL S130 Hecla Mining Academy**

2 credits (2+1)

Explores career opportunities in the mining industry and provides hands-on experience in mining operations. Students receive training on a mine simulator, and MSHA safety training Part 48 for Surface Inexperienced New Miners. Students also work-shadow a miner on site at the Hecla Greens Creek Mine. Pass/Fail grading.

## Music (MUS)

**MUS S123 \*Music Appreciation**

3 credits (3+0)

GER. Introduction to the historical and cultural aspects of music as an art form in the various stylistic eras, the leading figures in these eras, and the world they inhabited. The course also deals with the materials and structural elements from which a musical work is fashioned.

## Oceanography (OCN)

**OCN S101 \*Introduction to Oceanography**

3 credits (3+0)

GER. Survey of the oceans. Geology, chemistry, physical and biological characteristics will be covered. Topics include plate tectonics, sedimentation, ocean topography, major and minor chemical elements of seawater, currents and water masses, waves and tides, upwelling, nutrient cycles, plankton and nekton, benthic and pelagic life.

**OCN S411 General Oceanography**

3 credits (3+0)

Survey of the physics, chemistry and geology of the oceans, and explanations of the relationships between the physical environment and organisms.

**Prerequisite:** BIOL S271 and CHEM S106/CHEM S106L.

## Outdoor Studies (ODS)

**ODS S112 Swiftwater Rescue**

1 credit (0.5 +2)

Cross-listed as PE S112 (P/F grades). Introduces skills and equipment necessary for safe travel in and on swiftly moving water. Intensive training in river hydrology, rescue equipment and techniques, boat handling, and self and group contact rescues, leading to international certification as a Swiftwater Rescue Technician I. Students must be in good physical condition.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S114 Backpacking in Southeast Alaska**

1 or 2 credits (0.5-1 +2)

Cross-listed as PE S114 (P/F grades). Introduces skills and equipment required for overnight backpacking trips in SE Alaska in non-winter seasons. Covers selection of personal, group, and safety equipment, and introduces contingency plan concepts. Includes strategies for backcountry cooking. Overnight outings are a required component of the course. Students must be in excellent physical condition.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S115 Winter Backpacking in Southeast Alaska**

1 credit (0.5+2)

Cross-listed as PE S115 (P/F grades). Introduces students to travel and camping in winter. Covers selection of personal, group, and safety equipment for an overnight outing. Emphasizes snow shelter construction and backcountry techniques appropriate for winter conditions. Overnight outings are a required course component. Students must be in excellent physical condition and willing to endure cold, wet, and generally uncomfortable conditions for several days at a time. Students will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to the ODS program.

**ODS S116 Introduction to Rock Climbing**

1-2 credits (0.5+ 2-3)

Cross-listed as PE S116 (P/F grades). Introduces the basics of rock climbing in both indoor and outdoor settings. Covers risk assessment, hazard evaluation, equipment, climbing techniques, knots, belaying, rappelling, and top rope anchor setup. Students must be in good physical condition.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S117 Introduction to Ice Climbing**

1-2 credits (0.5+ 2-3)

Cross-listed as PE S117 (P/F grades). An introduction to the basics of top rope ice climbing. Covers risk assessment, hazard evaluation, equipment, ice climbing techniques, knots, belaying, rappelling and top rope anchors. Outings are a required component of the course. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to ODS certificate program.

**ODS S118 Avalanche Evaluation and Theory I**

2 credits (1+2)

Cross-listed as PE S118 (P/F grades). Introduces avalanche study, rescue, terrain analysis, snow study and stability evaluation, route finding, decision making, and safe travel. Combines both in-class and field experience as required course components. Students must be in good physical condition.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S119 Introduction to Fly Fishing, Tying, and Casting**

1 credit (0.5+2)

Cross-listed as PE S119 (P/F grades). Introduction to the fundamentals of fly fishing, including gear, casting, fly tying, knots, core ethics, and on-the-water tactics. Requires an Alaska fishing license for class outings.

**Prerequisite:** Admission to any ODS program, or instructor permission.

**ODS S120 Wilderness First Responder**

4 credits (2+4)

Cross-listed as PE S120 (P/F grades). This 80-hour curriculum is recognized internationally as the premier medical training and industry standard for outdoor enthusiasts and professionals alike. Offering comprehensive hands-on learning and a utilitarian patient assessment system, the WFR prepares students for responding to medical emergencies in the backcountry.

**Prerequisite:** Acceptance to ODS certificate program.

**ODS S122 Wilderness First Responder Recertification**

1 credit (1+1)

Cross-listed as PE S122 (P/F grades). This 25-hour curriculum is the follow up class to the Wilderness First Responder. WFR recertification allows outdoor enthusiasts and professionals alike to remain updated in their wilderness first aid certification and is required every three years to keep the WFR current.

**Prerequisite:** Admission to ODS certificate program.

**ODS S133 Introduction to Sea Kayaking**

2 credits (1+2)

Cross-listed as PE S133 (P/F grades). Fundamentals of sea kayaking in Alaska. Introduces commonly used equipment and techniques, and the challenges and hazards found in the activity. Instruction in selecting equipment, trip planning, boat handling, paddling, sea strokes, and rolling and bracing. Emphasizes risk assessment and safety skills. Requires excellent physical condition, backcountry camping skills, and participation in an overnight outing.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S134 Introduction to Swiftwater Travel**

2 credits (0.5+3)

Cross-listed as PE S134. Introduces students to fundamental strokes and maneuvers of whitewater boating. Includes the most commonly used equipment, techniques, and the challenges and hazards found in river travel. Focuses on river and whitewater navigation, safety and risk management, and river running strategies. Students must be in excellent physical condition.

**Prerequisite:** Admission to any ODS program or instructor permission.

**ODS S148 Backcountry Skiing and Snowboarding**

1 credit (0.5+2)

Cross-listed as PE S148 (P/F grades). Presents the skills needed to plan and complete short trips into the backcountry, on days with low avalanche danger, for skiing (alpine and telemark) and snowboarding. Topics covered include gear, modes of travel, map reading for skiers and snowboarders, avalanche and other hazards. Students must be comfortable on advanced off-trail runs at resorts, must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admissions to ODS certificate program.

**ODS S205 Backcountry Navigation**

2 credits (1+2)

Cross-listed as PE S205 (P/F grades). Covers topics relating to extended backcountry trips and navigation by map and compass. Students acquire skills necessary to plan and carry out multi-day backpacking trips, and learn to use common maps to plan routes through unknown terrain. Student must be in good physical condition. Outings are a required course component.

**Prerequisite:** Acceptance to ODS certificate program or permission.

**ODS S216 Rock Climbing Level II**

1-3 credit (0.5-1 + 2-4)

Cross-listed as PE S216 (P/F grades). Introduces leading and following scenarios, various multi-point anchors, multi-pitch climbing, aid climbing and hauling systems. Emphasis is on safety, route finding, self rescue, and rope management. Includes a required field trip to Canada. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to the ODS program and PE/ODS S116 or S117.

**ODS S217 Ice Climbing Level II**

1-3 credits (0.5-1 + 2-4)

Cross-listed as PE S217 (P/F grades). Builds on the techniques and foundations developed in PE/ODS S117 Intro to Ice Climbing. Frozen waterfalls are the primary venue for practice with leading and following scenarios, a variety of anchors, and multi-pitch climbing. Emphasizes safety, route finding, self-rescue, and rope management. Students will have the opportunity to practice mock leading. Students must be in excellent physical condition.

**Prerequisite:** Admission to the ODS program and ODS/PE S116 or S117.

**ODS S218 Avalanche Evaluation and Theory Level II**

2 credits (1+2)

Cross-listed as PE S218 (P/F grades). An advanced avalanche field study for experienced recreationalists or entry-level professionals. Topics include rescue for leaders, metamorphism and forecasting, field notes and weather records, mountain weather, advanced terrain, steep slopes and sluff, snowpit and fracture profiles, snowpack failure and release, avalanche dynamics, research, glaciers and ice avalanches, and advanced practical field exercises, tests, techniques, and experiments. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to the ODS program and PE S118/ODS S118.

**ODS S219 Intermediate Fly Fishing, Tying, and Casting**

2 credits (1+2)

Cross-listed as PE S219 (P/F grades). Introduces the experienced student to more advanced skills. Learn how fish interact with their environment and search for food. Develop strategies in casting skills, insect identification, and water conditions, so the right fly can be cast to the right place at the right time. Course combines in-class activities, outdoor experiences, and project formulation designed to develop a working relationship with other students. Must have a current Alaska fishing license.

**Prerequisite:** Admission to the ODS program and PE S119/ODS S119.

**ODS S221 Glacier Travel and Crevasse Rescue Fundamentals**

2 credits (1+2)

Cross-listed as PE S221 (P/F grades). An introduction to the fundamentals of glacier travel and crevasse rescue. Topics include hazard evaluation and risk assessment, selection of personal gear, climbing and safety gear necessary for glacier travel. Knots, rope handling, belay, rappelling, and various climbing, glacier travel and crevasse rescue techniques will be discussed. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to ODS certificate program, and PE S117/ODS S117.

**ODS S222 Mountaineering I**

2 credits (0.5+3)

Cross-listed as PE S222 (P/F grades). Builds on skills taught in ice and rock climbing and glacier travel courses. Topics include risk assessment, backcountry travel, gear selection and use, belays, anchors in rock, snow, ice, and vegetation; route selection, and descending techniques. Includes technical and/or semi-technical ascents of peaks in the Juneau area. Students must be in excellent physical condition and willing to endure cold, wet, and generally uncomfortable conditions for a few days at a time. Students will be required to sign a risk release form and provide their medical history.

**Prerequisite:** Admission to the ODS program, and PE/ODS S116, S117 and S221.

**ODS S233 Expedition Sea Kayaking**

1 or 2 credits (0.5+ 2-4)

Cross-listed as PE S233 (P/F grades). Fundamentals of sea kayaking in Alaska are reviewed, then applied by an expedition on the waters of the Inside Passage. Covers commonly used equipment and techniques, and the challenges and hazards of the activity. Instruction in selecting equipment, trip planning, tides, navigation, boat handling, paddling, sea strokes, rolling and bracing. Emphasizes risk assessment and safety skills. Requires excellent physical condition, backcountry camping skills, and participation in a multi-day overnight outing. May be repeated for up to 3 credits.

**Prerequisite:** Admission to the ODS program and ODS/PE S133.

**ODS S243 Outdoor Studies and Leadership**

3 credits (2+2)

Introduces a theoretical and practical foundation for developing a personal and professional leadership style. Students will be exposed to diverse topics within the outdoor industry such as outdoor leadership, group dynamics and decision-making, risk management, environmental ethics, and experiential education. Field outings are a required component of this course.

**Prerequisite:** Admission to any ODS program or instructor permission.

**ODS S245 Outdoor Studies Expedition I**

3 or 4 credits (0.5+ 6 or 9)

A student-designed and instructor-facilitated experience, it presents an opportunity for ODS students to apply and hone their outdoor leadership skills in a 5 to 21 day expedition in Alaska or Canada. Overnight outings are a required component of the course. Pass/Fail grading.

**Prerequisite:** ODS S243.

**ODS S372 Mountain Studies: Philosophy, Literature, and Practice**

4 credits (3+2)

A rich culture surrounds mountain activities such as climbing and skiing. Students learn the history, traditions, and mythology of mountain exploration and sport through the study of literary and philosophical texts relating to these activities. Study is enhanced by students spending time in the field, learning skills and experiencing the mountain environment. Students must be prepared to spend significant amounts of time outside in the field and in inclement weather.

**Prerequisite:** Admission to an ODS Program, or upper division standing, or instructor permission.

**ODS S373 Ocean Studies: Images of the Environment**

4 credits (3+2)

Interdisciplinary approaches to the variety of images created about and by the people and environment of the ocean. The course will analyze conceptualizations of the ocean as expressed in a number of media such as film, art, literature, travel journals and oral tradition employing methodologies from many disciplines. As a final requirement of the course, students will plan and carry out an overnight outing with sea kayaks.

**Prerequisite:** Admission to an ODS Program or upper standing; and ODS/PE S114 and ODS/PE S133 or concurrent enrollment; or instructor permission.

**ODS S444 Expedition Planning and Leadership**

2 credits (2+0)

This penultimate progression in the Outdoor Studies emphasis four-year program initiates students to the process of planning and leading wilderness expeditions. Students will assist in planning and organizing a major expedition to be carried out in the capstone course ODS S445.

**Prerequisite:** Admission to the BA or BLA emphasis in Outdoor Studies, and advisor approval.

**ODS S445 Outdoor Studies Expedition II: Major Expedition**

2-4 credits (0+ 4-8)

In this final course in the Outdoor Studies emphasis of a BA or BLA program, degree capstone students will lead and evaluate a major expedition, implementing all relevant technical and theoretical skills developed through four years of Outdoor Studies programming.

**Prerequisite:** ODS S444 and advisor approval.

**ODS S499 ODS Capstone Thesis**

## Philosophy (PHIL)

**PHIL S101 \*Introduction to Logic and Reasoning**

3 credits (3+0)

GER. Analyzes argumentation and informal fallacies; introduces deductive logic, and examines inductive evidence in scientific and practical reasoning.

**PHIL S201 \*Introduction to Philosophy**

3 credits (3+0)

GER. Basic concepts, problems and methods as reflected in writings of historical and contemporary philosophers.

**PHIL S301 \*Ethics**

3 credits (3+0)

GER. An introduction to classical and contemporary theories in philosophical ethics and to the problems those theories are designed to solve. Students will develop skills to help them understand and think through situations in which moral factors play a significant role.

**Prerequisite:** WRTG S111 (C 2.00 or better).

**PHIL S313 Eastern Philosophy**

3 credits (3+0)

An exploration of the principal traditions in Eastern philosophical thought including Hinduism, Buddhism, Confucianism, and Taoism. Attention will be given to the concept of the self in various Eastern traditions, to understand differences in the methodologies employed in Eastern and Western philosophical approaches, and to examine the influences of Eastern philosophy on Western culture.

**Prerequisite:** WRTG S111.

**PHIL S314 Existentialism: The Search for Meaning**

3 credits (3+0)

Addresses principle questions of existentialism concerning life, death, freedom, individualism, and authenticity as they present themselves in an industrialized and scientifically governed world in which many of the traditional answers have become less convincing. In addition to philosophy, we will study literary texts, novels, and films that deal with existentialism, including works by Kierkegaard, Nietzsche, Dostoyevsky, Sartre, Beauvoir, and others.

**Prerequisite:** WRTG S111 (C 2.00 or better).

**PHIL S371 Perspectives on the Natural World**

3 credits (3+0)

Explores the concepts of nature and wilderness from historical and contemporary perspectives of both Western and non-Western cultures, and addresses questions concerning the relationship between humans and the natural world. Special consideration is given to issues relating to outdoor and adventure recreation. Requires participation in overnight class outings.

**Prerequisite:** WRTG S110 (C or higher) or instructor permission.

**PHIL S390 Selected Topics in Philosophy**

3 credits (3+0)

Focused study of a particular philosopher, philosophical problem or area of philosophical thought. Specific topic is announced in the semester course schedule. May be repeated for credit when the content varies.

**Prerequisite:** WRTG S111 (C 2.00 or better).

**PHIL S491 Internship:**

## Physical Education (PE)

**PE S100 Health and Fitness**

1 credit (1+0)

The course is an investigation of fitness and health: Body structure and functions, emotional and social health, environmental impact on health, sound nutrition, prevention and treatment of childhood illness and common health problems, and media influences.

**PE S103 Individual Physical Activity:**

1-3 credits (0+2-6)

Instruction, practice and activity under supervision in individual activities such as diving, tennis, racquetball/handball, swimming, golf, track and field. May be repeated for credit. Pass/Fail grades.

**PE S103L Physical Activity: Individual Sport**

1-3 credits variable (0 + 2-6)

Introduction, practice and activity under supervision in individual activities such as firearms education, where letter grades would be appropriate. May be repeated for credit.

**PE S104 Team or Group Physical Activity**

1-3 credits (0+2-6)

Instruction, practice and activity under supervision in team sports such as basketball, volleyball, soccer, and softball. May be repeated for credit. Pass/Fail Grades.

**PE S112 Swiftwater Rescue**

1 credit (0.5 +2)

Cross-listed as ODS S112. Introduces skills and equipment necessary for safe travel in and on swiftly moving water. Intensive training in river hydrology, rescue equipment and techniques, boat handling, and self and group contact rescues, leading to international certification as a Swiftwater Rescue Technician I. Students must be in good physical condition. Cross-listed as ODS S112.

**PE S114 Backpacking in Southeast Alaska**

1 or 2 credits (0.5-1 +2)

Cross-listed as ODS S114. Introduces skills and equipment required for overnight backpacking trips in SE Alaska in non-winter seasons. Covers selection of personal, group, and safety equipment, and introduces contingency plan concepts. Includes strategies for backcountry cooking. Overnight outings are a required component of the course. Students must be in excellent physical condition.

**PE S115 Winter Backpacking in Southeast Alaska**

1 credit (0.5+2)

Cross-listed as ODS S115. Introduces students to travel and camping in winter. Covers selection of personal, group, and safety equipment for an overnight outing. Emphasizes snow shelter construction and backcountry techniques appropriate for winter conditions. Overnight outings are a required course component. Students must be in excellent physical condition and willing to endure cold, wet, and generally uncomfortable conditions for several days at a time. Students will be required to sign a risk release form and provide their medical history.

**PE S116 Introduction to Rock Climbing**

1-2 credits (0.5+ 2-3)

Cross-listed as ODS S116. Introduces the basics of rock climbing in both indoor and outdoor settings. Covers risk assessment, hazard evaluation, equipment, climbing techniques, knots, belaying, rappelling, and top rope anchor setup. Students must be in good physical condition.

**PE S117 Introduction to Ice Climbing**

1-2 credits (0.5+ 2-3)

Cross-listed as ODS S117. An introduction to the basics of top rope ice climbing. Covers risk assessment, hazard evaluation, equipment, ice climbing techniques, knots, belaying, rappelling and top rope anchors. Outings are a required component of the course. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**PE S118 Avalanche Evaluation and Theory I**

2 credits (1+2)

Cross-listed as ODS S118. Introduces avalanche study, rescue, terrain analysis, snow study and stability evaluation, route finding, decision making, and safe travel. Combines both in-class and field experience as required course components. Students must be in good physical condition.

**PE S119 Introduction to Fly Fishing, Tying, and Casting**

1 credit (0.5+2)

Cross-listed as ODS S119. Introduction to the fundamental skills of fly fishing, including gear, casting, fly tying, knots, core ethics, and on-the-water tactics. Requires an Alaska fishing license for class outings.

**PE S120 Wilderness First Responder**

4 credits (2+4)

Cross-listed as ODS S120. This 80-hour curriculum is recognized internationally as the premier medical training and industry standard for outdoor enthusiasts and professionals alike. Offering comprehensive hands-on learning and a utilitarian assessment system, the WFR prepares students for responding to medical emergencies in the backcountry.

**PE S122 Wilderness First Responder Recertification**

1 credit (1+1)

Cross-listed as ODS S122. This 25-hour curriculum is the follow up class to the Wilderness First Responder. The WFR recertification allows outdoor enthusiasts and professionals alike to remain updated in their wilderness first aid certification and is required every three years to keep the WFR current.

**PE S133 Introduction to Sea Kayaking**

2 credits (1+2)

Cross-listed as ODS S133. Fundamentals of sea kayaking in Alaska. Introduces commonly used equipment and techniques, and the challenges and hazards found in the activity. Instruction in selecting equipment, trip planning, boat handling, paddling, sea strokes, re-entry, rolling and bracing. Emphasizes risk assessment and safety skills. Requires good physical condition, backcountry camping skills, and participation in an overnight outing.

**PE S134 Introduction to Swiftwater Travel**

2 credits (0.5+3)

Cross-listed as ODS S134. Introduces students to fundamental strokes and maneuvers of whitewater boating. Includes the most commonly used equipment, techniques, and the challenges and hazards found in river travel. Focuses on river and whitewater navigation, safety and risk management, and river running strategies. Students must be in excellent physical condition.

**PE S148 Backcountry Skiing and Snowboarding**

1 credit (0.5+2)

Cross-listed as ODS S148. Presents the skills needed to plan and complete short trips into the backcountry, on days with low avalanche danger, for skiing (alpine and telemark) and snowboarding. Topics covered include gear, modes of travel, map reading for skiers and snowboarders, avalanche and other hazards. Students must be comfortable on advanced off-trail runs at resorts, must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**PE S200 Ocean Diving**

2 credits (1+2)

Designed to improve ocean diving skills. Basic scuba equipment review, underwater navigation, night diving, basic deep diving patterns, small boat diving techniques. Intended as intermediate program for basic scuba divers and introduction to Juneau regional diving environment; lectures, two pool sessions, eight dives.

**Prerequisite:** Instructor Permission.

**PE S205 Backcountry Navigation**

2 credits (1+2)

Cross-listed as ODS S205. Covers topics relating to extended backcountry trips and navigation by map and compass. Students acquire skills necessary for planning and carrying out multi-day backpacking trips and learn to use common maps to plan routes through unknown terrain. Students must be in good physical condition. Outings are a required course component.

**PE S210 Advanced Diving**

4 credits (2+4)

Designed to develop advanced diver skills and safety procedures. Intended for experienced divers new to diving in Southeast Alaska, for divers re-entering diving and for divers with basic or intermediate skills who want to develop advanced diver experience. The course consists of lectures focusing on dive safety, equipment systems, the marine environment, and procedures and techniques for advanced diving specialties. Open water dives include night diving, deep and shallow diving, drift diving, underwater navigation exercises, and search and recovery exercises. The dives serve as an orientation to a variety of Southeast Alaska as dive conditions, dive sites, and promote diver safety and awareness. 4 hours lab per week required.

**Prerequisite:** PE S200 or equivalent; Complete SCUBA gear and 20 logged dives.

**PE S216 Rock Climbing Level II**

1-3 credits (0.5-1 + 2-4)

Cross-listed as ODS S216. Introduces leading and following scenarios, various multi-point anchors, multi-pitch climbing, aid climbing and hauling systems. Emphasis is on safety, route finding, self-rescue, and rope management. Includes a required field trip to Canada. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** PE/ODS S116 or S117.

**PE S217 Ice Climbing Level II**

1-3 credits (0.5-1 + 2-4)

Cross-listed as ODS S217 for letter grades. Builds on the techniques and foundations developed in PE/ODS S117 Intro to Ice Climbing. Frozen waterfalls are the primary venue for practice with leading and following scenarios, a variety of anchors, and multi-pitch climbing. Emphasizes safety, route finding, self rescue, and rope management. Students will have the opportunity to practice mock leading. Students must be in excellent physical condition.

**Prerequisite:** ODS/PE S116 or S117.

**PE S218 Avalanche Evaluation and Theory Level II**

2 credits (1+2)

Cross-listed as ODS S218. An advanced avalanche field study for experienced recreationalists or entry-level professionals. Topics include rescue for leaders, metamorphism and forecasting, field notes and weather records, mountain weather, advanced terrain, steep slopes and sluff, snowpit and fracture profiles, snowpack failure and release, avalanche dynamics, research, glaciers and ice avalanches, and advanced practical field exercises, tests, techniques, and experiments. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** PE S118/ODS S118.

**PE S219 Intermediate Fly Fishing, Tying, and Casting**

2 credits (1+2)

Cross-listed as ODS S219. Introduces the experienced student to more advanced skills. Learn how fish interact with their environment and search for food. Develop strategies in casting skills, insect identification, and water conditions, so the right fly can be cast to the right place at the right time. Course combines in-class activities, outdoor experiences, and project formulation designed to develop a working relationship with other students. Must have a current Alaska fishing license.

**Prerequisite:** PE S119/ODS S119.

**PE S221 Glacier Travel and Crevasse Rescue Fundamentals**

2 credits (1+2)

Cross-listed as ODS S221. An introduction to the fundamentals of glacier travel and crevasse rescue. Topics include hazard evaluation and risk assessment, selection of personal gear, climbing and safety gear necessary for glacier travel. Knots, rope handling, belay, rappelling, and various climbing, glacier travel and crevasse rescue techniques will be discussed. Students must be in excellent physical condition, and will be required to sign a risk release form and provide their medical history.

**Prerequisite:** PE S117/ODS S117 or director's permission.

**PE S222 Mountaineering I**

2 credits (0.5+3)

Cross-listed as ODS S222. Builds on skills taught in ice and rock climbing and glacier travel courses. Topics include risk assessment, backcountry travel, gear selection and use, belays, anchors in rock, snow, ice, and vegetation; route selection, and descending techniques. Includes technical and/or semi-technical ascents of peaks in the Juneau area. Students must be in excellent physical condition and willing to endure cold, wet, and generally uncomfortable conditions for a few days at a time. Students will be required to sign a risk release form and provide their medical history.

**Prerequisite:** PE S116, S117 and S221.

**PE S233 Expedition Sea Kayaking**

1 or 2 credits (0.5+ 2-4)

Cross-listed as ODS S233. Fundamentals of sea kayaking in Alaska are reviewed, then applied by an expedition on the waters of the Inside Passage. Covers commonly used equipment and techniques, and the challenges and hazards of the activity. Instruction in selecting equipment, trip planning, tides, navigation, boat handling, paddling, sea strokes, rolling and bracing. Emphasizes risk assessment and safety skills. Requires excellent physical condition, backcountry camping skills, and participation in a multi-day overnight outing. May be repeated for up to 3 credits.

**Prerequisite:** ODS/PE S133.

## Physics (PHYS)

**PHYS S123 \*College Physics I**

4 credits (3+3)

GER. Algebra-based introduction to classical physics, including: kinematics, Newton's laws, momentum, work, energy, gravity, rotational motion, fluids, heat, temperature, and laws of thermodynamics. Special notes: Additional topics include oscillations and waves. The laboratory part is integrated in the course.

**Prerequisite:** MATH S152.

**PHYS S124 \*College Physics II**

4 credits (3+3)

GER. Algebra-based introduction to classical physics, including: Coulomb's law, electrical potential, electric circuits, capacitance, Kirchhoff's laws, magnetic fields, Faraday's law, electromagnetic waves, physical and geometric optics, and waves and particles. Special note: The laboratory part is integrated in the course.

**Prerequisite:** PHYS S123.

**PHYS S165 \*Introduction to Astronomy**

3 credits (3+0)

GER. Examination of the science of astronomy and its social consequences, with an emphasis on the interrelationships between astronomy and other sciences. Topics include astronomical concepts and tools, earth-based and satellite observation of light, the solar system, stellar astronomy, and cosmology.

**PHYS S211 \*General Physics I**

4 credits (3+3)

GER. Calculus-based introduction to classical mechanics, including: kinematics, Newton's laws, momentum, work, energy, gravity, rotational motion, oscillations, and fluids. Special notes: Additional topics include waves. The laboratory part is integrated in the course.

**Prerequisite:** MATH S251.

**PHYS S212 \*General Physics II**

4 credits (3+3)

GER. Calculus-based introduction to classical physics, including: Coulomb's law, electrical potential, electric circuits, capacitance, Kirchhoff's laws, Biot-Savart law, Faraday's law, and electromagnetic waves. Special notes: Additional topics include optics. The laboratory part is integrated in the course.

**Prerequisite:** PHYS S211.

## Political Science (PS)

**PS S101 \*Introduction to American Government**

3 credits (3+0)

GER. Survey of American government, political processes and contemporary issues, focusing on national institutions. Distribution and uses of power and the role of political values and beliefs. The Constitution and federalism; interest groups, parties and elections; Congress, the Executive and the courts.

**PS S102 \*Introduction to Political Science**

3 credits (3+0)

GER. Survey of the political context of contemporary life, which treats the nature of the democratic state in the modern world and analyzes today's challenges to democracy. The character of the principle elements of modern states, their systems of public law, their politics, their institutions, their patterns of public administration, and their relations with one another.

**PS S202 \*Comparative Politics: \*Contemporary Doctrines and Structure**

3 credits (3+0)

GER. Analysis of conflicting approaches to the solution of social and political problems with emphasis on nations employing various forms of ideological systems.

**PS S230 Introduction to Political Philosophy**

3 credits (3+0)

Nature and content of political philosophy through an examination of the major theories of politics developed from the time of the ancient Greeks to the present.

**PS S251 \*Introduction to International Relations**

3 credits (3+0)

GER. Major theories of international politics including studies of war, peace and diplomacy and the role of international and regional organizations.

**PS S275 Current Issues in Pol Sci****PS S291 Government Internship**

3-9 credits (variable)

Part-time work in an approved governmental or private non-profit agency. The student is to be supervised by a senior employee of that agency in cooperation with the faculty advisor. (Maximum of 12 hours allowed for all internship programs).Pass/Fail grades.

**Prerequisite:** PS S101 and PS S102 or governmental experience, and instructor permission required in order to register.

**PS S293 ST:****PS S313 Alaska Politics and Government**

3 credits (3+0)

A consideration of the development and the present organization and operation of the Alaska political and governmental system. Special attention will be given to the constitution, parties and interest groups, the legislature, the governor, local government, and current policy issues in the state.

**PS S351 Political Sociology**

3 credits (3+0)

Cross-listed as SOC S351. A survey of current perspectives and research on political behavior and society, including political activism, social behavior in contexts of governmental and non-governmental organizations, and international relations. Includes content on power and inequality, war and terrorism, and international human rights. Emphasizes the interrelatedness of media, politics, and culture at local and global levels.

**Prerequisite:** PS S101, PS S102, or SOC S101.

**PS S359 European Politics**

3 credits (3+0)

An examination of the development and contemporary characteristics of European politics, the role of the European union, and the incorporation of former communist countries of Eastern Europe into the democratic politics of Europe.

**Prerequisite:** PS S101 or PS S102 or instructor permission.

**PS S375 Current Issues in Political Science: Selected Topics**

3 credits (3+0)

An in-depth exploration of a major timely topic in the field of political science. May be repeated for credit providing the content varies.

**PS S421 Interest Groups in American Politics**

3 credits (3+0)

Analysis of the place and function of groups and lobbyists within the American political system including a consideration of the factors which determine group power. Includes case studies of various groups and a practical section on organizing an interest group campaign.

**Prerequisite:** PS S101 and PS S102.

**PS S458 Environmental Politics**

3 credits (3+0)

Introduces students to the processes and theories used by social scientists and policy analysts that can be applied to the study of environmental issues. Students will use the scientific approach and will learn key insights of the sciences into why apparently rational people often cause environmental problems.

**Prerequisite:** WRTG S111 or instructor permission.

**PS S467 Latin American Politics**

3 credits (3+0)

Examines the complex and fascinating politics of Latin America, including the emergence and persistence of democracy, crime, inequality, corruption, and poverty, as well as Latin America's relations with the United States. Discusses general problems, progress and patterns, using a comparative, social scientific approach.

**Prerequisite:** WRTG S111 or instructor permission.

**PS S491 Government Internship**

3-9 credits (variable)

Part-time work (internship) in an approved governmental or private non-profit agency. The student is to be supervised by a senior employee of that agency in cooperation with the faculty advisor. (Maximum of 12 hours allowed for all internship programs).Pass/Fail grades.

**Prerequisite:** PS S101 and PS S102 or governmental experience and instructor permission required in order to register.

**PS S492A Legislative Internship Seminar**

3 credits (3+0)

This academic portion of the Legislative Internship Program provides a pre-orientation to the practical workings of the legislature and state government. The seminar focuses on assessing the relevance of academic literature to understanding legislative and governmental processes. Requires selection for the Legislative Internship Program.

**PS S498 Ind Research:**

# Psychology (PSY)

## **PSY S111 \*Introduction to Psychology**

3 credits (3+0)

GER. An introduction to the fundamentals of human behavior and mental processes and how they are impacted by social, cultural, and biological factors. Covers topics such as social science research methods, personality, sensation, perception, psychological disorders, lifespan development, memory, learning, thinking, language, intelligence, motivation, emotion, social behavior, and consciousness.

**Prerequisite:** WRTG S110 or instructor permission.

## **PSY S245 Child Development**

3 credits (3+0)

Study of physical, emotional, cognitive, and social aspects of a child's development from prenatal period through adolescence. Includes theoretical view of development and effects of genetics, environment and socialization.

**Prerequisites:** PSY S111 or instructor permission.

## **PSY S250 \*Lifespan Development**

3 credits (3+0)

GER. Introduction to the various aspects of development and changes which occur throughout a person's life span. Covers prenatal period, infancy, childhood and adolescence, and early, middle and late adulthood.

**Prerequisite:** WRTG S110 or instructor permission.

## **PSY S294 Practicum**

## **PSY S302 Social Psychology**

3 credits (3+0)

Cross-listed as SOC 302. Examines the behavior of individuals in social situations and why they behave, think and feel as they do in the presence of others. Includes research methods, social perceptions and inferences, stereotyping and prejudice, aggression, attitudes, conformity, obedience, group processes, social and environmental influences on behavior.

**Prerequisite:** PSY S111 or SOC S101 and upper division standing, or permission.

## **PSY S313 Psychology of Gender**

3 credits (3+0)

Examines the impact society and gender roles have on perceptions and behavior (e.g. communication). Students become knowledgeable about psychological research and theories about gender, and connect these with their own experiences. Promotes empowerment through the development of critical thinking.

**Prerequisite:** PSY S111 or instructor permission.

## **PSY S333 Human Sexuality Across Cultures**

3 credits (3+0)

Cross-listed as SOC S333. Examines biological, historical, social, cultural, and behavioral aspects of human sexuality; focuses on the social construction of sexual identity and behaviors cross-culturally.

**Prerequisite:** PSY S111 or SOC S101.

## **PSY S335 Biological Psychology**

3 credits (3+0)

Study of the biological basis of human behavior, how behavior and cognition are mediated by biological processes. Emphasizes the functional anatomy and organization of the nervous system to understand normal and abnormal behavior in terms of their psychological development, evolution, and function. Overview of psychopharmacology.

**Prerequisite:** PSY S111.

## **PSY S340 Abnormal Psychology**

3 credits (3+0)

Critical exploration of human experience and behavior in dimensions generally considered outside the range of normality. Integrates current diagnostic taxonomy with current research and prevailing theoretical perspectives, with attention to cultural and developmental issues.

**Prerequisite:** PSY S111 or instructor permission.

## **PSY S347 Death and Dying**

3 credits (3+0)

Cross-listed as SOC S347. Explores the social and cultural aspects of death, dying, and bereavement, including death perceptions and grief over the life course, death-related ethical debates, and public policy. Grief management and counseling, end of life technological issues, and topics related to race, class, and gender are also addressed.

**Prerequisite:** PSY S111 or SOC S101.

## **PSY S375 Current Issues in Psychology: Selected Topics**

1-3 credits (variable)

Covers contemporary topics related to the field of psychology. Subjects focus on such areas as: environmental psychology, psychology and religion, stereotyping and prejudice, industrial and organizational psychology, domestic violence, psychology and the media, forensic psychology. May be repeated for credit when content varies.

**Prerequisite:** PSY S111 or instructor permission.

## **PSY S386 Psychology and Law**

3 credits (3+0)

An overview of the emerging subfields of legal and forensic psychology. Emphasizes legal psychology by exploring the contributions of psychological theory and research in advancing knowledge of the practices and processes in the legal system. Focuses on such topics as the psychology of crime and the police, investigation of suspects and witnesses, jury selection and decision making, sentencing, and reforms.

**Prerequisite:** PSY S111 or instructor permission.

## **PSY S391 Internship**

## **PSY S406 Personality Theories**

3 credits (3+0)

A survey of contemporary theories of personality, with critical examination of theoretical perspectives and theory construction. Emphasizes relevant research findings. Develops understanding for and prediction of human behavior, thought and feeling.

**Prerequisite:** PSY S111 and one additional psychology course, and upper division standing or permission.

**PSY S430 Clinical and Counseling Psychology**

3 credits (3+0)

Introduction to major theoretical approaches and to applied issues in clinical and counseling psychology. The students' ability to understand and articulate the relationship between theory and practice is emphasized. Major professional issues are discussed.

**Prerequisite:** PSY S340 and one additional psychology course; upper division standing or permission.

**PSY S431 Mental Health Interventions for Alaska Natives and Rural Alaskans**

3 credits (3+0)

Introduction to basic mental health interventions and unique considerations in treating American Indian/Alaska Natives (AIANs), and Alaskan populations in rural settings. Descriptions of the differences between conventional interventions in traditional settings, and those specific to AIANs and rural Alaskan populations. Students will not be trained in delivering services directly, nor will treatment interventions be demonstrated; rather, students will have exposure through descriptions of traditional AIAN as well as conventional interventions. Major professional issues and roles are discussed.

**Prerequisite:** PSY S111 and one additional psychology course, plus upper division standing.

**PSY S440 Learning and Cognition**

3 credits (3+0)

Analysis of major approaches to learning and cognition, including behavioral, social, cognitive, and biological. Classical and operant conditioning, observational learning, skill acquisition, memory, and language.

**Prerequisite:** PSY S111 plus two additional psychology courses and upper division standing; or instructor permission.

**PSY S473 Psychological Testing and Assessment**

3 credits (3+0)

Overview of fundamental psychometric concepts and principles. Surveys types of assessment related to achievement, behavior, intelligence, personality, and neuropsychology; personnel selection; career counseling; and forensic applications of psychological tests. Topics may include test bias, assessment accommodations, reporting, and practice guidelines.

**Prerequisite:** PSY S111 and one additional course in psychology, and upper division standing.

**PSY S491 Internship:****PSY S498 Research in Psychology**

## Public Administration (PADM)

**PADM S601 Introduction to Public Administration**

3 credits (3+0)

Introduction to the field of public administration, dealing with the scope, nature, history, current context, and basic tools in the study of public administration. Topics include the social, economic, and political environments of public administration, bureaucratic politics, power and authority, law, ethics, basic models, and comparative administration. This gateway course for the M.P.A. program provides an introduction to graduate studies, library research skills, and a focus on written and oral communication skills.

**PADM S604 Applied Research Methods**

3 credits (3+0)

Introduces basic quantitative and qualitative methods of social science research as applied to policy and administrative problems. Addresses research design, data collection and analysis methods, interpretation and evaluation of published research.

**PADM S610 Organizational Theory and Behavior**

3 credits (3+0)

Presents organization theory and builds practical management skills. Develops a working understanding of how organizational structure and environment relate to the success of an organization, and improves skills critical to leading, managing, and working in an organization, including leadership, individual and group decision-making, personal and group communication, motivation and fostering creativity, and conflict resolution. Admission to the MPA program or instructor approval.

**PADM S611 Ethics in Public Administration**

3 credits (3+0)

Presents the philosophical foundations of modern Western ethics and their application to public managers. Explores practical ethics through examination and analysis of current case studies in public administration.

**Prerequisite:** Admission to the M.P.A. program or instructor approval.

**PADM S613 Public Sector Employment Law**

3 credits (3+0)

Explores the history and background of the employment and labor laws covering government and non-profit employees. Collective bargaining will be examined in the context of managing in unionized public sector workplaces. Students will develop a working knowledge of Alaska statutes, regulations and case law as an example of state and local government law in relation to federal law.

**Prerequisite:** Admission to the M.P.A. program or instructor approval.

**PADM S614 Public Policy and Accountability**

3 credits (3+0)

Addresses the theoretical analysis and practical application of public policy, including theories of policy formation, with particular emphasis on the political environment of the public and non-profit sectors. Mixed methodologies will be addressed in the analysis of the creation, implementation and evaluation of public policy in the context of administrative law and the construct of ethical decision making.

**Prerequisite:** Admission to the M.P.A. program or Instructor approval.

**PADM S616 Leadership**

3 credits (3+0)

Provides an orientation to personal and organizational leadership in public, not-for-profit, and higher education organizations; provides for a deeper understanding of a personal leadership philosophy and the development of leadership ability and skills applicable to individual practice as a public administrator.

**Prerequisite:** Undergraduate degree or instructor permission.

**PADM S618 Law for Public Managers**

3 credits (3+0)

Legal guidelines for adoption, implementation, and adjudication of public agency regulations at federal, state, and local levels. Legislative, executive, and judicial controls on agencies, and the political environment of regulatory action.

**PADM S622 Human Resources and Organizational Development**

3 credits (3+0)

Provides a comprehensive analysis of individual and group behavior in organizations. Its purpose is to provide an understanding of how organizations can be managed more effectively and at the same time enhance the quality of employees work life. Topics include human resources and strategic planning, leadership, motivation, rewarding behavior, managing stress, individual and group behavior, conflict management, power and politics, job design, organizational structure, decision making, communication, and organizational change and development.

**Prerequisite:** Admission to the MPA program or instructor approval.

**PADM S624 Human Resources Administration**

3 credits (3+0)

Survey of human resource management issues in the public sector, including recruitment, selection, classification, compensation, training and development, discipline and dispute resolution, collective bargaining, performance evaluation, and risk management. Addresses law and practice of current issues such as affirmative action, discrimination, sexual harassment, disabilities, family medical leave, and pay equity.

**Prerequisite:** Admitted to MPA or instructor's approval.

**PADM S625 Economics and Public Policy**

3 credits (3+0)

Examines economics both as a determinant of public policy and as a tool of the public administration. Topics include how markets allocate resources, the role of government in a market economy, market failures and responses, problems of efficiency vs. equity, and application of microeconomic tools to analysis of Alaska and national policy issues.

**Prerequisite:** Admitted to MPA program or instructor's approval.

**PADM S628 Public Financial Management**

3 credits (3+0)

Survey of theory, practice, problems and politics of financial management in governmental units, revenue sources, budgetary planning and control, methods of debt financing, and intergovernmental relationships. Addresses federal, state, and local perspectives.

**Prerequisite:** Admitted to MPA program or instructor's approval.

**PADM S635 Natural Resource Policy**

3 credits (3+0)

Analyzes the essentials of natural resource public policy, including decision-making, institutions and players, historic and current issues and trends, and the relationship of policy to administration. The focus is on natural resources as part of a social-ecological system (e.g. timber, wildlife, water, recreation) with attention to modern environmental issues (e.g. air and water quality, waste, acid rain, biodiversity). Special attention is given to issues relevant to Alaska. A stakeholder and sustainability approach will be used to frame the issues. Admission to the M.P.A. program or instructor's approval.

**PADM S637 Local and Global Sustainability**

3 credits (3+0)

Fundamentals and framework for sustainability decision making related to institutional and natural resource and management issues. Using an integrated approach, the nexus of environmental, economic, social and public policy and technology will be examined using sustainability concepts and resilience theory and practice.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S638 Sustainable Energy and Environment**

3 credits (3+0)

Explores the foundations of energy from a physical viewpoint of ecosystems structure and function, and of energy networks. Human civilization is treated throughout as a complex adaptive system that evolves over time and adjusts to conditions. Examines the energy basis for human society and sustainability, including aspects of economics and sociology. Alternative energy sources and uses will be discussed as well.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S639 Adaptive Management**

3 credits (3+0)

Examines the basic components and the process of adaptive management within a sustainability science framework. Course is built on the premise that managed social and ecological systems are complex and inherently unpredictable. Explores the concepts of adaptive management and case studies. Students will be asked to apply adaptive management strategies to Alaskan or Canadian issues. Admission to the M.P.A. program or instructor's approval.

**PADM S640 Food Security and Sustainability**

3 credits (3+0)

Provides an introduction to the complexity of food production using a systems approach and sustainability concepts. Northern food systems and sustainability and subsistence lifestyles will be discussed as well as impacts of climate change, and determinants of food security. Case studies from Alaska and from the Circumpolar North will be used to highlight and focus specific emerging techniques of local food productions including the history of agriculture and fisheries.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S641 Land Use Planning and Resilient Communities**

3 credits (3+0)

Provides an overview of land use planning focused at the municipal level. State and national land use and resource planning will also be discussed in the context of local communities. Private lands and their own planning jurisdictions will also be examined. Common pool resource concepts and public trust will be discussed as well as the history, philosophy, legal framework, principles and procedures used for land use planning.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S642 Climate Governance in the North**

3 credits (3+0)

Climate policy in the Circumpolar North and institutional response to managing predicted and observed climate change will be examined. In the context of long-term environmental policy, regional and national climate governance plans will be discussed including the eight arctic nations with an emphasis on Sweden, Russia, Greenland, Alaska, and the Arctic Policy Council.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S643 Role of the City Manager**

T1# Role of the City Manager 3 credits (3+0)

Major issues associated with local governance and the role and challenges of the city manager, administrator, or chief of staff will be analyzed. Provides students with the skills necessary to critically analyze policy alternatives related to community leadership and management issues, specifically in northern climates and the Arctic.

**Prerequisite:** Admission to the MPA program or instructor's approval.

**PADM S645 Municipal Governance**

3 credits (3+0)

Examines the management and administration of local and regional government with an emphasis on rural and non rural governance in Alaska and other selected circumpolar cities. A practical perspective including the responsibilities of delivering local services such as planning, public safety, financial management, project management, will be explored, integrating more recent innovative approaches such as resilient and sustainability concepts will also be discussed.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S651 Introduction to Higher Education**

3 credits (3+0)

Serves as an introduction to contemporary higher education through application and understanding of student development theory and campus environments. The course includes the foundational history of American higher education as relevant to contemporary administration, curricula, and policy. Basic organizational structure and shared governance and the role of the faculty will be reviewed.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S653 Organizational Development in Higher Education**

3 credits (3+0)

Designed for graduate students interested in the application of organizational theory in higher education to analyze institutions and to study models, methods and processes related to organizational development, all within a framework of change management and leadership.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S655 Higher Education and Public Policy**

3 credits (3+0)

An orientation to higher education administration policy analysis and translating a higher education public agenda into mission aligned strategy and policy.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S657 Higher Education Law**

3 credits (3+0)

Examines legal issues relevant to American colleges and universities. The course will utilize a case study approach to provide students with the fundamental knowledge of higher education law. Topics will include the legal governance of higher education, academic freedom, affirmative action and legal issues pertinent to administration, staff, faculty and students.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S661 Social Entrepreneurship**

3 credits (3+0)

Explore nonprofit organization as a mission-based and market-driven business, as a social enterprise, with an entrepreneurial orientation and management. To foster new growth and effectiveness, leaders and managers in nonprofit organizations need to combine business management knowledge and skills with social sector acumen to yield a sustainable enterprise that produces both financial and social returns.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S662 Governing Nonprofit Organizations and the Board of Directors**

3 credits (3+0)

Explore the development of corporate governance and legal and organizational perspectives of having a governing board for nonprofits. Survey of principles, policies, and practices of corporate governance, and the distinction between governance and management. An overview of distinguishing features in the governance of nonprofits. Examine the roles and responsibilities in nonprofit governance, and the nature, function, and realities of a nonprofit board of directors. Illustrate best practices in building and running the board effectively, with special attention to issues relevant to Alaska.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S663 Marketing for Nonprofit Organizations**

3 credits (3+0)

The purpose of nonprofit marketing is to have a way to develop marketing strategies, tactics, and activities employed by nonprofits to spread the message of the organization, to assist with growth, funding, and prosperity, to satisfy consumer and donor needs. Focuses on how nonprofits adapt the best business practices and tools in identifying its target market, developing marketing materials, and determining the objectives that marketing campaign should meet in a changed economic, social, and technological environment.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S676 Political Leadership and Civility**

3 credits (3+0)

Focuses on the nexus between political leadership and civility. A brief review of the leadership types including examples of state and national leadership, will be followed by a self-assessment exercise. Each student will be asked to develop his or her own leadership style. Will discuss political leadership and civility concepts and theory. Guest speakers may be utilized.

**Prerequisite:** Admission to the M.P.A. program or instructor's permission.

**PADM S688 Program Evaluation**

3 credits (3+0)

Introduces students to the theories, concepts, and analytical tools used in the evaluation of public programs and policies. Examines conceptualization and practicality of measures that accurately evaluate performance. Explores the dynamics of evaluating program process and structure in a political environment.

**Prerequisite:** Admission to the M.P.A. program or instructor approval.

**PADM S690 Public Administration Capstone**

3 credits (3+0)

Final course in the M.P.A. curriculum. Students review, synthesize and apply concepts and methods learned during the degree program to the evaluation of a public or nonprofit organization. Intended as a program review and assessment tool.

**Prerequisite:** Completion of all other M.P.A. requirements.

**PADM S691 Internship:****PADM S692 Seminar****PADM S693 Special Topics in Public Administration**

3 credits (3+0)

Credit courses designed to pilot test course content or to provide specialty content areas on a one-time basis.

**Prerequisite:** Admission to the M.P.A. program or instructor's approval.

**PADM S698 Directed Research**

1-6 credits (variable)

Investigation of an administrative problem that falls within the scope of the student's program. Topic must be approved by student's advisory committee. The investigation and written report is conducted under the auspices of a designated member of the faculty.

**Prerequisite:** Instructor approval form required in order to register.

**PADM S699 Public Administration Thesis**

1-6 credits (variable)

Independent thesis or project in student's emphasis area as approved by the student's graduate committee. Letter grades with plus or minus.

**Prerequisite:** Instructor approval form required.

## Social Science (SSCI)

**SSCI S200 Orientation to the Social Sciences**

3 credits (3+0)

Introduces the methods and analytical approaches of six Social Sciences (Anthropology, Economics, History, Psychology, Political Science, Sociology) through exploration of a particular topic, theme, or phenomenon. Focus theme will vary each semester.

**SSCI S300 Research Methods in Social Science**

3 credits (3+0)

An overview of inquiry methods in the social sciences. Presents hypothesis formation, data collection, literature review, research design, and interpretation. Issues of correlation, cause and inference are discussed, and student gains experience in use of quantitative and qualitative analysis. Practices in writing, graphing, collaborative and presentation practices are covered, as are political and ethical issues. An interdisciplinary course recommended especially for students in the social sciences.

**Prerequisite:** Nine credits social science or instructor permission.

**SSCI S373 Data Analysis in the Social Sciences**

3 credits (3+0)

Surveys techniques commonly used in the social sciences to collect, analyze, and interpret data. Includes performance, evaluation, and application of statistical procedures.

**Prerequisite:** SSCI S300 and upper division standing; or instructor permission.

**SSCI S375 Current Issues:****SSCI S491 Internship**

1-4 credits variable (0+0+4-16)

## Sociology (SOC)

**SOC S101 \*Introduction to Sociology**

3 credits (3+0)

GER. An overview to the essentials of sociology, including its theories and methodology. Explores the relationship between the individual, culture and society, examining how cultural and social forces influence personal experience and group behavior.

**Prerequisite:** WRTG S110 or instructor permission.

**SOC S201 \*Social Problems**

3 credits (3+0)

GER. Survey of some of today's major social problems such as criminal and violent behavior, health problems, poverty, racism, gender inequity, sexual deviance and substance abuse. Examines how social issues become social problems; the causes and dynamics involved in arriving at policies and solutions.

**SOC S242 Introduction to Marriage, Family, and Intimate Relationships**

3 credits (3+0)

An introduction to the sociological study of contemporary patterns of marriage, family, and other intimate relationships. Explores the impact of gender roles, ethnicity, as well as economic and social forces on the family and other intimate relationships.

**SOC S251 Criminology**

3 credits (3+0)

The study of deviant behavior and theories of crime causation and their relationship to society, law and law enforcement.

**Prerequisite:** SOC S101 or permission.

**SOC S294 Practicum****SOC S301 Sociology of Close Relationships**

3 credits (3+0)

Examines the formation, development, maintenance, change and termination of close relationships; those characterized by emotional and/or sexual intimacy. Course focuses on relations between men and women, including those resulting in marriage or like circumstances. Includes relationship structure, interactions, partner selection, parenting, and violence or dissolution.

**Prerequisite:** ANTH S101 or S102, or SOC S101 or PSY S111 or instructor permission.

**SOC S302 Social Psychology**

3 credits (3+0)

Cross-listed as PSY 302. Examines the behavior of individuals in social situations and why they behave, think and feel as they do in the presence of others. Includes research methods, social perceptions and inferences, stereotyping and prejudice, aggression, attitudes, conformity, obedience, group processes, social and environmental influences on behavior.

**Prerequisite:** PSY S111 or SOC S101 and upper division standing, or permission.

**SOC S305 Sociology of Food**

3 credits (3+0)

The study of society's relationship with food. Examines the social, political, and economic factors that shape our food system and consumption patterns. Includes content on culture, food justice, food security and inequality, and the natural environment. Special emphasis on fishing, cultivation, and food sovereignty in Alaska.

**Prerequisite:** SOC S101.

**SOC S325 Theory and Research in Criminology**

3 credits (3+0)

Provides a study of crime, criminals, and victims in society. Focuses on why certain acts, and not others, are defined as crimes. Examines social responses to crime and why only some people are processed through the system. Explores theories on why persons might engage in crime, and research on particular types of crime.

**Prerequisite:** SOC S101.

**SOC S333 Human Sexuality Across Cultures**

3 credits (3+0)

Cross-listed as PSY S333. Examines biological, historical, social, cultural, and behavioral aspects of human sexuality; focuses on the social construction of sexual identity and behaviors cross-culturally.

**Prerequisite:** PSY S111 or SOC S101.

**SOC S343 Sociology of Deviant Behavior**

3 credits (3+0)

A study of the etiology of deviant behavior, both criminal and non-criminal, with an emphasis on the nature of social interaction, and an examination of the social control groups and institutions which deal with deviant behavior. Topics include physical and sexual violence, suicide, mental disorder, heterosexual deviance, homophobia, and illegal drug use.

**Prerequisite:** SOC S101.

**SOC S345 Education and Society**

3 credits (3+0)

Critical exploration of the relationship between society and education as an institution and process. Topics include the dynamics of race, class, and gender in schools. Also addresses institutional socialization functions and social change and innovation at different levels of education. Emphasizes research on education outcomes, cross-cultural comparisons, and traditional and non-traditional transmission of knowledge and culture. Special attention is given to education in Alaska.

**Prerequisite:** SOC S101.

**SOC S347 Death and Dying**

3 credits (3+0)

Cross-listed as PSY S347. Explores the social and cultural aspects of death, dying, and bereavement, including death perceptions and grief over the life course, death-related ethical debates, and public policy. Grief management and counseling, end of life technological issues, and topics related to race, class, and gender are also addressed.

**Prerequisite:** PSY S111 or SOC S101.

**SOC S351 Political Sociology**

3 credits (3+0)

Cross-listed as PS S351. A survey of current perspectives and research on political behavior and society, including political activism, social behavior in contexts of governmental and non-governmental organizations, and international relations. Includes content on power and inequality, war and terrorism, and international human rights. Emphasizes the interrelatedness of media, politics, and culture at local and global levels.

**Prerequisite:** PS S101, PS S102, or SOC S101.

**SOC S370 Medical Sociology**

3 credits (3+0)

Medical sociology studies medicine as a social institution. It involves the use of medical settings to investigate areas such as organizational structure, role relationships, and role conflicts, and the attitudes and values of persons involved in health care transactions.

**Prerequisite:** SOC S101.

**SOC S375 Current Issues in Sociology: Selected Topics**

1-3 credits (variable)

In-depth exploration of a major timely topic in applied or theoretical sociology. Topics may include substance abuse, human sexuality, and religion. May be repeated for credit when content differs.

**SOC S377 Men, Women and Change**

3 credits (3+0)

Course familiarizes students with the sociological discipline concerning gender issues in contemporary society. Helps students connect their own gender experiences with the social and political world. Examines the differential treatment of men and women in most societies, and its significance in the lives of individuals within the context of particular structural or institutional arrangements.

**Prerequisite:** SOC S101 or permission.

**SOC S380 Social Movements**

3 credits (3+0)

A survey of the theories and research on collective behavior, social change and social movements at the local, national and global levels. Emphasizes ideology, recruitment, strategy, organizational dynamics, public response, and reasons for success or failure. Investigates select social movements post World War II.

**Prerequisite:** SOC S101 or SOC S201.

**SOC S391 Internship****SOC S394 Practicum:****SOC S402 Theories of Sociology**

3 credits (3+0)

Major sociological theories and theorists of Western civilization; review of important contributions and approaches of various "national schools" with emphasis on current American and European trends.

**SOC S404 Environmental Sociology**

3 credits (3+0)

A critical analysis of the interactions between society and the environment from an ecological perspective. Focus is on processes of industrial and economic growth, natural resource development, community change and social impact assessment, environmental values, land use planning, and resource management decision making. Examines comparative perspectives on human relation to, and use of, the natural environment.

**Prerequisite:** SOC S101.

**SOC S410 Race and Ethnicity**

3 credits (3+0)

A sociological analysis of the principles and processes that shape relationships among racial and ethnic groups in the U.S. Focus is on the relations among dominant and subordinate groups in the society, using sociological theory to understand the structural factors in intergroup relations.

**Prerequisite:** SOC S101.

**SOC S411 Sociology of War**

3 credits (3+0)

Explores the phenomenon of war from a sociological perspective. The differences between "mythic war" as portrayed by the media, and "sensory war" as experienced by soldiers and civilians will be examined. Attention is paid to how governments and the media gain support for wars in democratic societies; the allure of war for both civilians and military; and how dissent is typically quashed at the initial stages of international conflicts.

**Prerequisite:** SOC S101.

**SOC S491 Intrnshp:****SOC S498 Ind Research**

## Spanish (SPAN)

**SPAN S101 \*Beginning Spanish I**

4 credits (4+0)

GER. An introduction to basic Spanish grammatical structures and vocabulary items with an emphasis on the development of listening and speaking skills.

**SPAN S102 \*Beginning Spanish II**

4 credits (4+0)

GER. A continuation of SPAN S101. Focuses on grammatical structures and vocabulary building and emphasizes listening and speaking skills.

**Prerequisite:** SPAN S101 or instructor permission.

**SPAN S201 \*Intermediate Spanish I**

3 credits (3+0)

GER. A continuation of SPAN S102. Focuses on grammatical structures, vocabulary building and listening and speaking skills with a growing emphasis on reading and writing ability. Conducted in Spanish.

**Prerequisite:** SPAN S102 or permission.

**SPAN S202 \*Intermediate Spanish II**

3 credits (3+0)

GER. A continuation of SPAN S201. Focuses on grammatical structures, vocabulary building and listening/speaking skills with a growing emphasis on reading and writing ability. Conducted in Spanish.

**Prerequisite:** SPAN S201 or permission of instructor.

**SPAN S294 Practicum:****SPAN S317 Spanish Conversation**

3 credits (3+0)

A continuation of SPAN S202. Focus is on gaining vocabulary and learning idiomatic expressions for increased verbal fluency. Includes some fine tuning of grammar skills and work on reading skills but emphasis is on practicing conversation and creating situations in the classroom that simulate situations students would encounter in a Spanish-speaking country.

**Prerequisite:** SPAN S202 and WRTG S211 (C or higher) and upper division standing, or instructor permission.

**SPAN S318 Themes in Literature, Language, and Culture**

3 credits (3+0)

Advanced exploration of literary themes in various genres, including fiction, poetry, drama and film. Conducted entirely in Spanish. The specific theme is announced in the semester course schedule. May be repeated for credit when content varies.

**Prerequisite:** SPAN S202 and WRTG S211 (C or higher) and upper division standing, or instructor permission.

**SPAN S394 Practicum:****SPAN S494 Practicum:**

## Statistics (STAT)

**STAT S107 \*Survey of Statistics**

4 credits (4+0)

GER. Descriptive statistics, estimations, statistical tests.

**Prerequisite:** MATH S105 (C or higher) or placement test.

**STAT S200 \*Elementary Statistics**

3 credits (3+0)

GER. Introduction to concepts and applications of elementary statistical methods. Topics include sampling and data analysis, descriptive statistics, elementary probability, probability and sampling distributions, confidence intervals, hypothesis testing, correlation, and simple linear regression. Recommended: MATH S151 (C or better).

**Prerequisite:** MATH S105 (B or better) or placement test.

**STAT S373 Probability and Statistics**

3 credits (3+0)

A calculus-based course emphasizing theory and applications. Topics include probability, continuous and discrete random variables and their probability distributions, expectation, moment generating functions, joint distributions, functions of random variables, estimations, and an introduction to the study of the power and significance of hypothesis tests.

**Prerequisites:** MATH S252, C (2.00) or higher.

**STAT S400 Statistical Computing with R**

2 credits (0+4)

An in-depth introduction to the fundamentals of programming with R, the free open-sourced statistical software. Emphasizes development of skills in preparing user-defined functions and code via topics introduced in traditional elementary statistics courses. Includes descriptive statistics, graphical and quantitative methods for exploring univariate and bivariate data through parametric and nonparametric methods.

**Prerequisite:** MATH S151 and STAT S200 with C (2.00) or higher, and upper division standing.

**STAT S401 Regression and Analysis of Variance**

4 credits (3+3)

A study of multiple regression including multiple and partial correlation, the extra sum of squares principle, indicator variables, and model selection techniques. Analysis of variance and covariance for multi-factor studies in completely random and randomized complete block designs, multiple comparisons and orthogonal contrasts. STAT S400 recommended.

**Prerequisite:** MATH S151 and STAT S200 or equivalent with C (2.00) or higher, and upper division standing.

## Theater (THR)

**THR S111 \*Theatre Appreciation**

3 credits (3+0)

Survey of theatre with a focus on artists who contribute to theatrical production viewed within the context of historical styles and development.

**THR S211 \*Theatre History and Literature I**

3 credits (3+0)

GER. Theater in its Western historical context, coupling a study of theatrical modes with the reading of plays from different time periods, from ancient Greek theater through 18th century drama. When possible, local guest artists meet with students, and classes attend performances. Readings may include Sophocles, Euripides, Shakespeare, Behn and Moliere.

**Prerequisite:** WRTG S111 (C or higher) or instructor permission.

**THR S212 \*Theatre History and Literature II**

3 credits (3+0)

GER. Theater in its Western historical context, coupling a study of theatrical modes with the reading of plays from 19th century theatre of realism through 20th century and contemporary drama. When possible, local guest artists meet with students, and classes attend performances. Readings may include Ibsen, Chekhov, Williams, Churchill, and Havel.

**Prerequisite:** WRTG S111 (C or higher) or instructor permission.

**THR S219 Theatre Performance: Selected Topics**

3 credits (1+4)

Study and practice of acting technique through a variety of on-your-feet acting exercises. A series of monologues and scene work will be performed throughout the class, both scripted and improvised. This performance-focused course will include presentation for an audience. The specific topic is announced in the semester schedule. May be repeated for credit when content varies. THR S219, S419 stacked.

**THR S291 Internship:****THR S294 Practicum**

1-3 credits (variable)

Participation in drama workshop or lab production as performer or technical staff member. Four hours lab per week required per credit.

**Prerequisite:** Instructor approval form required.

**THR S391 Internship****THR S394 Theatre Practicum**

1-6 credits variable (0+0+ 4-24)

Practicum in drama workshop or lab production as a performer of a technical staff member. Four hours lab per week required per credit.

**THR S418 Advanced Studies in Theater:**

3 credits (3+0)

Advanced analysis and application of selected topics from theater, including but not limited to stagecraft, arts administration, and directing. The specific topic is announced in the semester schedule. May be repeated for credit when content varies.

**Prerequisite:** C or higher in WRTG S211 and a lower division THR course, or instructor permission.

**THR S419 Theatre Performance: Selected Topics**

3 credits (1+4)

Advanced study and practice of acting technique through a variety of on-your-feet acting exercises, script analysis, and new approaches to character. A series of monologues and scene work will be performed throughout the class, both scripted and improvised. This performance-focused course will include presentation for an audience. The specific topic is announced in the semester schedule. May be repeated for credit when content varies.

**Prerequisite:** THR S219, S221, or S222.

**THR S491 Internship:**

## University (UNIV)

**UNIV S101 College Success Skills**

1-3 credits (1-3 + 0)

Students will learn and apply practical strategies for success in college. Topics include organization and time management planning; reading, study and test-taking strategies; finding and using university resources; goal-setting and personal responsibility; and professional interaction in the college environment. Pass/Fail grading.

# Welding Technology (WELD)

## WELD S120 Basic Welding

3 credits (1+4)

A beginning level course covering the fundamentals of oxyacetylene welding, brazing and cutting, and electric arc welding. Emphasis in flat and horizontal welding positions on mild steel using a variety of welding rods and techniques.

## WELD S152 Intermediate Welding

3 credits (1+4)

This intermediate level welding techniques course focuses on shielded metal arc welding - SMAW, plasma arc cutting, oxygen-acetylene cutting, and metal grinding. Students will develop intermediate welding skills including gas metal arc welding using flux core and dual shield wire fillers. A special emphasis will be placed on proper fit-up and alignment for fillet and V-groove welds in the flat, vertical, and overhead positions.

**Prerequisite:** WELD S120 (C 2.0 or higher) or instructor permission.

## WELD S160 Welding Orientation Lab

3 credits (2+2)

Orients students to general welding. Includes developing safe practices, learning about the work environment, and procedures applicable to the cutting and welding of metals.

## WELD S162 Shielded Metal Arc Welding Basics

3 credits (.5+5)

Introduces students to shielded metal arc welding (SMAW) operation and safety. Develops welding skills in making stringer, weave, overlapping beads, fillet welds. **Prerequisite:** WELD S161 or instructor permission.

## WELD S163 Shielded Metal Arc Welding: Groove Welds

3 credits (0+6)

Continues shielded metal arc welding (SMAW) operations, developing skills in groove welds with backing. Also introduces the concepts of fit-up and alignment.

**Prerequisite:** WELD S162 or instructor permission.

## WELD S164 Shielded Metal Arc Welding: Open V-Groove

3 credits (0+6)

Continues shielded metal arc welding (SMAW) operations, developing skills in open V-groove welds.

**Prerequisite:** WELD S163 or instructor permission.

## WELD S165 Shielded Metal Arc Welding: Open Root Pipe

3 credits (.5+5)

Continues shielded metal arc welding (SMAW) operations, developing skills in open root pipe welds. Completion of this course qualifies the student to seek American Welding Society (AWS) Level I certification.

**Prerequisite:** WELD S164 or instructor permission.

## WELD S175 Selected Topics in Advanced Welding

3 credits (1+4)

Designed for advanced welders to further their skills in one or more processes and levels. Topics may include aluminum welding, sheet welding, shield metal arc welding, pipe welding, flux-core arc welding, or other to be announced. May be repeated for credit when content varies.

**Prerequisite:** WELD S152 (C 2.0 or higher) or concurrent enrollment or instructor permission.

## WELD S260 Introduction to Advanced Welding Techniques

3 credits (2+2)

Introduces students to the different types of welding symbols, identifies and explains detailed drawings, and explains how to use notes on drawings and bills of materials. Also covers air and plasma arc cutting, and introduces students to gas metal arc and flux cored arc weld

**Prerequisite:** AWS Level I certification or instructor permission.

## WELD S261 Gas Metal Arc Welding

3 credits (0+6)

Introduces students to setting up gas metal arc welding (GMAW) equipment and building a pad of stringer beads using filler metals and shielding gas. Explains procedures to perform GMAW multi-pass fillet welds on plate in various positions.

**Prerequisite:** WELD S260 or instructor permission.

## WELD S262 Flux Cored Arc Welding

3 credits (0+6)

Introduces students to setting up flux cored arc welding (FCAW) equipment and building a pad of stringer beads and weave beads using filler metals and shielding gas. Explains procedures to perform FCAW multi-pass fillet welds on plate in various positions.

**Prerequisite:** WELD S261 or instructor permission.

## WELD S263 Gas Tungsten Arc Welding

3 credits (.5+5)

Introduces students to equipment set up and safety for gas tungsten arc welding (GTAW). Explains procedures to perform multiple positions and types of welds using GTAW. Completion of this course qualifies the student to seek AWS Level II certification.

**Prerequisite:** WELD S262 or instructor permission.

## WELD S264 Gas Tungsten Arc Welding: Aluminum

3 credits (.5+5)

Introduces students to aluminum metallurgy, set up and safety for gas tungsten arc welding (GTAW). Explains techniques to perform multiple positions and types of welds using GTAW on aluminum plate.

**Prerequisite:** WELD S263 or instructor permission.

## WELD S265 Shielded Metal Arc Welding: Stainless Steel

3 credits (.5+5)

Introduces students to stainless metallurgy and the selection of proper electrodes. Describes how to set up equipment for making stainless steel groove welds. Provides procedures for making flat, horizontal, vertical, and overhead stainless steel groove welds.

**Prerequisite:** WELD S263 or instructor permission.

## WELD S297 IS:

# Writing (WRTG)

## WRTG S090 Writing and Reading Strategies

4 credits (4+0)

Develops college writing and reading strategies. Reviews sentence and paragraph structure as part of the development of essays. Emphasizes revision techniques for essays and critical reading in academic contexts. Courses below 100 level are not applicable toward degrees.

**WRTG S104 Composition Studio**

1 credit (1+0)

This studio course is designed to supplement WRTG S111 and to reinforce student outcomes through additional guided classroom activities such as extended workshop, deeper reflection on reading material, and further practice implementing writing strategies at all stages of the writing process. Requires concurrent enrollment in WRTG S111.

**WRTG S110 Introduction to College Writing**

4 credits (4+0)

Prepares students for WRTG S111. Emphasizes composition of essays for academic writing. Includes critical reading, analysis, and integration of sources to enhance students' writing. Practice in revising and editing to improve clarity, coherence, and purpose.

**Prerequisite:** WRTG S090 or ENGL S092 (C 2.00 or better) or placement test.

**WRTG S111 \*Writing Across Contexts**

3 credits (3+0)

GER. An introduction to writing strategies and processes for reading and responding to rhetorical situations across a variety of public and academic contexts.

**Prerequisite:** ENGL/WRTG S110 (C 2.00 or better) or placement test.

**WRTG S211 \*Writing and the Humanities**

3 credits (3+0)

GER. An introduction to what writing is and does, and how people learn to do it in the humanities, with a focus on the disciplinary questions, methods, and reasoning that shape the genres and writing practices in the field.

**Prerequisite:** ENGL/WRTG S111 (C 2.00 or better) or placement test.

**WRTG S212 \*Writing and the Professions**

3 credits (3+0)

GER. An introduction to what writing is and does, and how people learn to do it in the professions, with a focus on the disciplinary questions, methods, and reasoning that shape the genres and writing practices in the field.

**Prerequisite:** ENGL/WRTG S111 (C 2.00 or better) or placement test.

# ACADEMIC INFORMATION

- Course Definitions (p. 205)
- General Education Requirements (GER) (p. 208)
- Graduation (p. 207)
- Online Programs and e-Learning (p. 212)
- Other Academic Opportunities (p. 213)
- Student Competencies (p. 208)

## UAS Course Definitions

### Academic Credit

All courses, including special topics courses, offered for academic credit must meet minimum standard course and lecture approval requirements. One credit represents satisfactory completion of 750 minutes of lecture or 1,500 minutes of supervised laboratory, or 2,250 minutes of supervised or unsupervised laboratory, whichever is appropriate to the course objectives. Course numbers for academic credit are 050-499 (undergraduate) and 600-699 (graduate). Academic credit is applicable toward academic programs, with the exception of 050-099, which is considered pre-college level, and 500-599, which is professional development credit.

A credit hour is defined as “An amount of work represented in intended learning outcomes and verified by evidence of student achievement that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.”

### Internships

Internships are experience-based courses that involve placing students in an organization under the supervision of both a qualified professional in the agency and a faculty member from the discipline.

Internships require satisfactory completion of a minimum of four hours per week for each credit (0+0+4) for which students are registered for the duration of the semester. To apply for an internship, students must be admitted to a University program. Students must also demonstrate educational preparation for the internship and the connection between the internship and their educational goals. A maximum of 9 hours can apply to an associate's degree; 12 credit hours to a bachelor's degree. Internships are available at the 200, 300, and 400 levels only. Departments may have additional requirements for internships.

### Individual Research

Research requires satisfactory completion of a minimum of four hours per week (0+0+4) per credit for the duration of the semester, or at least 50 clock hours per credit.

### Practica

Practica are supervised practical applications of a previously studied theory conducted under the supervision of a qualified professional in cooperation with a faculty member.

Practica courses require satisfactory completion of a minimum of four hours of supervised experience per week for each credit (0+0+4) for which students are registered for the duration of the semester. These courses are generally at off-campus settings where students are under the direct supervision of agency personnel. A maximum of 9 credit hours can apply to an associate's degree; 12 credit hours to a bachelor's degree. Practica are available at the 200, 300, and 400 levels only.

### Independent Study

Independent study courses are those in which the course content, learning activities, and evaluative criteria are developed primarily by the student with guidance and concurrence from a faculty sponsor. Final approval for enrolling in independent study must be gained from a faculty sponsor and the head of the appropriate academic unit. Independent study courses with a course number ending in 97 and are offered at the 200, 300, 400, and 600 levels only. No more than 12 credits earned in independent study may be applied to an undergraduate baccalaureate degree, no more than 6 credits to an associate degree, and no more than 3 credits to an undergraduate certificate. Independent studies will not duplicate catalog courses. If the independent study is designed to be conducted over more than one semester, approval must be gained at the time the dean or campus director approves the course. Approval to enroll is accomplished with a Special Course Contract Form, which is submitted with registration form.

### Directed Study

A directed study course is identical to a catalog course with regard to title, objectives, content, and evaluative criteria. A directed study is not normally approved during the semester in which the course is regularly offered. Such courses shall bear the regular course title and number on the permanent record with the designation Directed Study (DS).

### Seminar

Seminars are regularly scheduled meetings of students for the purpose of discussion and reports on special topics and are conducted under the guidance of a faculty member. Seminars require a minimum of 750 minutes of scheduled classroom time for each credit earned (1+0).

### Stacked Courses

Occasionally two or more courses are scheduled in the same classroom at the same time. These are referred to as “stacked courses.” Catalog descriptions of these courses include the statement “May be stacked.” The semester class schedule will

indicate if a class is being offered in stacked format and will list which course(s) are being stacked.

## Special Topics

Special Topics Courses, with course numbers ending in 93, are credit courses designed to pilot test course content or to provide a specialty content areas on a one-time basis. Special topics courses must meet the same standard as academic credit courses in every way.

## Cross-Listed

Occasionally it is appropriate to designate a course as being in more than one discipline. The content of the cross-listed course is the same but students may select the designator appropriate to their major. Students will be able to switch to the other subject only during the published drop/add and withdrawal dates of the semester taken.

## Professional Development Courses

Course numbers of 500-599 are designed to provide continuing education for various professional groups and cannot be applied to degree programs. Such courses are post-baccalaureate in nature but are not applicable to degree requirements. Courses may be graded Pass/No pass or, if the course includes an evaluation component, by letter grading. The measurement of student effort is indicated by professional development credits. Each professional development credit awarded requires at least 12.5 hours of student engagement in a directed learning environment under the supervision of a qualified instructor. These courses are provided on a self-support basis.

## Continuing Education Unit (CEU)

The CEU is a nationally recognized unit of credit granted for participation in educational experiences under responsible sponsorship, capable direction, and qualified instruction that has a ten-contact-hour-per-credit ratio. CEUs are not convertible to degree credit. Course numbers for continuing education courses are between 001-049.

## Non-Credit Course

A course offering for which no credit is awarded by the institution.

## E-Learning Instruction

UAS e-Learning classes count towards residency credits at UAS. E-Learning course coverage is equivalent and student outcomes comparable to the same course delivered on campus. The faculty groups and administration of campuses delivering e-Learning classes will periodically review the scope and method of e-Learning technologies.

## Prerequisites

Students are responsible for checking to make sure that prerequisites have been met. Prerequisites are listed in individual course descriptions in this catalog. If a student has not taken the necessary prerequisites but feels confident of performing the coursework, he or she may request permission from the instructor of the course to enroll in the class.

## Course Numbering System

Course numbers indicate the level of academic preparation required as well as the year of study. The following course numbers show the categories to which they apply:

001-049	Noncredit courses or CEU
050-099	Pre-college level or remedial courses; associate and baccalaureate degree credit not allowed.
100-199	Undergraduate courses normally taken in the first year.
200-299	Undergraduate courses normally taken in the second year.

As a general guideline upper-division courses require at least junior standing or equivalent experience in addition to any stated prerequisites. Students are expected to have adequate preparation and background to complete courses at this level.

300-399	Undergraduate courses normally taken in the third year.
400-499	Undergraduate courses normally taken in the fourth year.
500-599	Professional Development courses (these do not appear in this catalog and do not carry academic credit that can be applied to a certificate or degree).

Graduate standing, admission, or equivalent is required for graduate-level courses in addition to any stated prerequisites.

600-699	Graduate courses. Not open to undergraduate students except by special permission.
---------	------------------------------------------------------------------------------------

## Special or Reserved Numbers

-75	Current Issues
-91	Internships
-92	Seminar
-93	Special topics courses intended to be offered only during one academic year
-94	Practica
-97	Independent study
-98	Individual research
-99	Thesis

Courses with any of the special numbers may be repeated for credit provided the course content differs each time the student registers for the course.

## Course Classifications

The following classifications of courses meet category requirements as follows:

### Humanities

Art  
Communication  
English  
History<sup>1</sup>  
Humanities  
Journalism  
Languages  
Library Science  
Literature  
Music  
Philosophy  
Theatre

### Mathematics and Logic

Mathematics  
Statistics  
Logic

### Natural Sciences

Astronomy  
Biology  
Chemistry  
Environmental Sciences  
Environmental Studies  
Fisheries  
Geology  
Natural Science  
Oceanography  
Physical Anthropology  
Physical Geography  
Physical Sciences  
Physics

### Social Sciences

Alaska Native Studies  
Anthropology  
Economics  
Geography  
History<sup>1</sup>  
Political Science  
Psychology  
Sociology

<sup>1</sup> History courses may be counted as meeting either humanities or social science requirements but not both.

## Graduation

Students are responsible for meeting all requirements for graduation. It is important that students meet regularly with their academic advisor to review degree status and anticipated graduation date.

## Application for Graduation ([http://uas.alaska.edu/forms/documents/graduation\\_enabled.pdf](http://uas.alaska.edu/forms/documents/graduation_enabled.pdf))

1. A student must be admitted to a degree program before he or she can apply for graduation. If the student is a bachelor's degree student intending to graduate with an associate's degree prior to graduation with a bachelor's degree, he or she should check with the advisor to be admitted to the selected associate degree. *Students must petition to graduate the same term they apply for admissions except for occupational endorsement certificates.*
2. Once a student has clarified admissions status, he or she must formally apply for graduation and pay a \$50 fee. The application for graduation must be filed with the Registrar's office on the campus attended during the semester in which he or she plans to graduate.

Fall completion deadline *October 1*  
Spring completion deadline *February 1*  
Summer completion deadline *July 1*

Applications submitted after the deadline will be charged an additional \$25 late application fee. The last date to be considered for spring graduation is *March 1*, for summer is *July 19*, and fall *October 31*. Applications received subsequent to the late application deadline will be moved to the following term.

3. If a student would like to graduate with a minor in a bachelor degree program, he or she must declare the minor by the graduation application deadline. Minors will not be awarded after a degree is posted to the transcript. The Registrar will not award a minor without a formal request in writing on the application for graduation.
4. The request for graduation will be processed and the student will receive written notification from the Registrar's Office regarding graduation status.

## Diplomas and Commencement

UAS issues diplomas three times per year: in late September following the summer session, in February following the fall semester and in June following the spring semester. Commencement ceremonies are only held once a year, in May. Students who complete degree requirements during the academic year are invited to participate in the May ceremony. Degree candidates must be within six credits or two courses of degree completion by the end of the spring semester to be eligible to attend that spring's commencement ceremony.

## Graduation with Honors

Students earning associate or baccalaureate degrees who obtain a cumulative grade point average of 3.50 will graduate cum laude, 3.80 magna cum laude and 4.00 summa cum laude. In addition to the general residency requirements, students must have been in attendance at UAS for at least 24 credit hours for an associate degree and 42 credit hours for a bachelor's degree to graduate with honors. The resident credits must be weighted. Honors are not awarded for occupational endorsement certificates, certificates or graduate degrees. *All college work*

*attempted, including that attempted at other institutions and grades earned from repeated courses, is considered in the determination of a student's eligibility for graduation with honors.*

For transfer students to be considered for graduation with honors they must have a 3.50 cumulative GPA in all attempted UAS credits and 24 resident credits for an associate and 42 resident credits for a bachelors.

Once those requirements are met, cumulative GPA is calculated combining all college work attempted at UAS, as well as all college work attempted at any other institutions attended, including repeated credits and any credits that may not have been accepted for transfer.

## Occupational Endorsement Completion

Occupational Endorsement candidates must formally apply for completion by filling out the application for graduation ([http://uas.alaska.edu/forms/documents/graduation\\_enabled.pdf](http://uas.alaska.edu/forms/documents/graduation_enabled.pdf)) the term they are planning on completing.

## 4-Year Average Student Right-to-Know Rates

Starting Cohort Year	Graduation within 150%	Transfer-out
2011	24%	21%
2012	36%	24%
2013	26%	21%
2014	18%	25%
4-yr Average	26%	23%

## Student Competencies

The faculty has defined six competencies that inform degree program and general education learning outcomes. The general education courses as well as degree requirements will help students develop and improve their skills in six critical areas. No one course will cover all the competencies. Assignments and tasks will be embedded into the course objectives of many different courses at different levels of the curricula to provide students the opportunity to learn and demonstrate mastery of these competencies.

**Competency in Communication:** College graduates should be able to write, speak, read, and listen effectively for a variety of purposes and audiences. Whether their aim is personal, academic, or professional, they should be able to communicate ideas and information effectively.

**Competency in Quantitative Skills:** A quantitatively literate person is capable of analytical and mathematical reasoning. This individual can read and understand quantitative arguments, follow logical development and mathematical methods, solve mathematical and quantitative problems, perform mathematical calculations, express functional relationships, and apply mathematical methods. As a minimum, a student should know the mathematical techniques covered in the general education mathematical requirements.

**Competency in Information Literacy:** Competency in information literacy combines the skills of being able to

1. identify needed information
2. locate and access the information
3. analyze and evaluate the content
4. integrate and communicate the information; and
5. evaluate the product and the process. Reading and writing literacies plus traditional library skills provide the foundation to access the vast availability of electronic information.

**Competency in Information Technology:** Students should have the knowledge to make efficient use of computers and information technology in their personal and professional lives because basic technological knowledge and skills apply to all fields and disciplines. Necessary skills range from a basic ability to use a keyboard through word processing concepts, spreadsheet and graphics applications to telecommunications, conferencing, and electronic mail technologies.

**Competency in Professional Behavior:** Professional behavior is expected of college students. Success in professional life depends on many behaviors, including responsibility, good work habits, ethical decision making, recognition of the value of community service, and successful human relations.

**Competency in Critical Thinking:** Competency in critical thinking reflects proficiency in modes of thought: conceptualizing, analyzing, synthesizing, evaluating, interpreting, and/or applying ideas and information. A critical thinker can approach a concept from multiple perspectives and frames of reference, compare and contrast ideas or models, and demonstrate a willingness to take intellectual risks. A critical thinker knows not only how but also when to apply particular modes of thinking. It should be noted that problem solving and analytical approaches may vary from discipline to discipline.

## General Education Requirements (GER)

Associate and bachelor's degrees at UAS require a minimum amount of general education requirement courses to be completed. General Education Requirements encompass broad areas of knowledge that support advanced learning in the major and emphasis requirements of each degree. An asterisk in the title of a course indicates it is a General Education Requirement after Spring 1990. Please note: the courses listed are not necessarily offered **every** semester. It is recommended that students seek advisor assistance in meeting program degree requirements.

In addition, some degree programs **require** specific courses be included in the GER. Please review your degree program in this catalog and consult with your academic advisor. If required courses are not taken as a GER, they must be taken as major requirements or electives as they are required for your degree.

Requirement	Hours
<b>General Education Requirements</b>	
Minimum Credits	34

Code	Title	Credits
<b>Written Communication Skills</b>		
WRTG S111	*Writing Across Contexts	3
WRTG S211	*Writing and the Humanities	3
or WRTG S212	*Writing and the Professions	

<b>Oral Communication Skills</b>		
Select one of the following (3 credits):		3
COMM S111	*Fundamentals of Oral Communication <sup>1</sup>	
COMM S235	*Small Group Communication and Team Building <sup>1</sup>	
COMM S237	*Interpersonal Communication <sup>1</sup>	
COMM S241	*Public Speaking <sup>1</sup>	

<b>Humanities/Social Sciences</b>		
<i>Fine Arts</i>		
Select one of the following (3 credits):		3
ART S105	*Beginning Drawing	
ART S160	*Art Appreciation	
ART S181	*Beginning Northwest Coast Indigenous Design	
ART S201	*Beginning Ceramics	
ART S260	*Indigenous Performing Arts	
ART S261	*History of World Art I	
ART S262	*History of World Art II	
ART S263	*Northwest Coast Native Art History & Culture	
MUS S123	*Music Appreciation	
THR S111	*Theatre Appreciation	
THR S211	*Theatre History and Literature I	
THR S212	*Theatre History and Literature II	

<i>Humanities</i>		
Select a minimum of one of the following (3 credits):		3-6
AKL S105	*Beginning Tlingit I	
AKL S106	*Beginning Tlingit II	
AKL S107	*Beginning Haida I	
AKL S108	*Beginning Haida II	
AKL S109	*Beginning Tsimshian I	
AKL S110	*Beginning Tsimshian II	
AKL S205	*Intermediate Tlingit I	
AKL S206	*Intermediate Tlingit II	
AKL S207	*Intermediate Haida I	
AKL S208	*Intermediate Haida II	
AKL S209	*Intermediate Tsimshian I	
AKL S210	*Intermediate Tsimshian II	
COMM S101	*Introduction to Mass Communication	
ENGL S215	*Introduction to Literary Study	

ENGL S200	*World Literature
ENGL S217	*Introduction to Film Studies
ENGL S226	*Survey of American Literature 1800-Present
ENGL S261	*Introduction to Creative Writing
FREN S101	*Beginning French I
FREN S102	*Beginning French II
HIST S105	*World History I <sup>2</sup>
HIST S106	*World History II <sup>2</sup>
HIST S131	*History of the U.S. I <sup>2</sup>
HIST S132	*History of the U.S. II <sup>2</sup>
HUM S120	*Cultures and Environments
PHIL S101	*Introduction to Logic and Reasoning
PHIL S201	*Introduction to Philosophy
PHIL S301	*Ethics
SPAN S101	*Beginning Spanish I
SPAN S102	*Beginning Spanish II
SPAN S201	*Intermediate Spanish I
SPAN S202	*Intermediate Spanish II

Alaska Native and other languages.

<i>Social Sciences</i>		
Select a minimum of two of the following (6 credits) from two disciplines:		6-9

ANS S101	*Introduction to Alaska Native Studies
ANTH S101	*Introduction to Anthropology
ANTH S202	*Cultural Anthropology
ANTH S211	*Fundamentals of Archaeology
ECON S100	*Political Economy
ECON S201	*Principles of Macroeconomics
ECON S202	*Principles of Microeconomics
GEOG S101	*Local Places, Global Regions: Introduction to Geography
HIST S105	*World History I <sup>2</sup>
HIST S106	*World History II <sup>2</sup>
HIST S131	*History of the U.S. I <sup>2</sup>
HIST S132	*History of the U.S. II <sup>2</sup>
PS S101	*Introduction to American Government
PS S102	*Introduction to Political Science
PS S202	*Comparative Politics: Contemporary Doctrines and Structure
PS S251	*Introduction to International Relations
PSY S111	*Introduction to Psychology
PSY S250	*Lifespan Development
SOC S101	*Introduction to Sociology
SOC S201	*Social Problems and Solutions

Select one from the remaining humanities and social sciences courses (3 credits)

#### Mathematics/Natural Sciences

**Mathematics and Statistics**Select at least 3 credits of the following: **3**

MATH S113	*Concepts and Contemporary Applications of Mathematics
MATH S151	*College Algebra for Calculus
MATH S152	*Trigonometry
MATH S251	Calculus I <sup>3</sup>
MATH S252	Calculus II <sup>3</sup>
MATH S253	Calculus III <sup>3</sup>
STAT S107	*Survey of Statistics
STAT S200	*Elementary Statistics

Select one of the following Natural Lab Sciences (4 credits): **4****Lab Natural Sciences**

BIOL S103	*Biology and Society
BIOL S104	*Natural History of Alaska
BIOL S111	*Human Anatomy and Physiology I
BIOL S112	*Human Anatomy and Physiology II
BIOL S115	*Fundamentals of Biology I
BIOL S116	*Fundamentals of Biology II
CHEM S103	*Introduction to General Chemistry
CHEM S105 & S105L	*General Chemistry I and General Chemistry I Laboratory
CHEM S106 & S106L	*General Chemistry II and General Chemistry II Laboratory
ENVS S102	*Earth and Environment
GEOL S104	*Physical Geology
PHYS S123	*College Physics I
PHYS S124	*College Physics II
PHYS S211	*General Physics I
PHYS S212	*General Physics II

**Non-lab Natural Sciences** **3**Select one of the following non-lab science courses: <sup>4</sup>

ANTH S205	*Biological Anthropology
CHEM S100	*Introduction to Chemical Science
GEOL S105	*Geological History of Life
OCN S101	*Introduction to Oceanography
PHYS S165	*Introduction to Astronomy

**Total Credits** **34**<sup>1</sup> Grade C 2.00 or better<sup>2</sup> History courses can be used as humanities OR social science requirements, but not both.<sup>3</sup> Or any mathematics course having one of these as a prerequisite.<sup>4</sup> The non-lab science requirement can be fulfilled by any Mathematics, Statistics, or Natural Science General Education course not already used.**Transferring GERs within the UA System**

Please refer to the following guide if you are considering taking a class from UAA and/or UAF to fulfill a GER requirement at UAS. Please note the courses listed fulfill the UAS GER requirement, but may not fulfill a major requirement. If you have any questions, please contact the Transfer Credit Evaluator in the Registrar's Office at (907) 796-6366.

**University of Alaska General Education Transfer Guide**

<b>UAS Courses</b>	<b>UAA Courses</b>	<b>UAF Courses</b>
<b>Written Communication Skills (6 credits)</b>		
WRTG S111, WRTG S211, WRTG S212	WRTG A111, WRTG A211, WRTG A212, WRTG A213, WRTG A214	WRTG F111X, WRTG F211X, WRTG F212X, WRTG F213X, WRTG F214X
<b>Oral Communication Skills (3 credits)</b>		
COMM S111, COMM S235, COMM S237, COMM S241	COMM A111, COMM A235, COMM A237, COMM A241	COJO F121X, COJO F131X, COJO F141X
<b>Fine Arts (3 credits)</b>		
	AKNS A215, AKNS A216, AKNS A261	ACNS F223X, ANS F161X, ANS F202X, ANS F223X
ART S105, ART S160, ART S181, ART S201, ART S260, ART S261, ART S262	ART A160, ART A261, ART S262	ART F200X, ART F261X, ART F262X
	DNCE A170	COJO F105X, COJO F217X, ENGL F217X, FLPA F105X, FLPA F121X, FLPA F161X, FLPA F200X, FLPA F215X, FLPA F217X, HUM F201X
MUS S123	MUS A121, MUS A215, MUS A216, MUS A221, MUS A222, MUS A224	MUS F103X, MUS F125X, MUS F200X, MUS F223X
THR S111, THR S211, THR S212	THR A111, THR A121, THR A214, THR A215	FLPA/COJO F105X, FLPA F125, ANS/FLPA F161X, FLPA F200X, ANS F202X, FLPA F215X, ENGL/FLPA/COJO F217X

**Humanities (3-6 credits)**

AKL S105, AKL S106, AKL S107, AKL S108, AKL S109, AKL S110, AKL S205, AKL S206, AKL S207, AKL S208, AKL S209, AKL S210		
	AKNS A101, AKNS A101A, AKNS A101B, AKNS A101C, AKNS A101D, AKNS A101E, AKNS A101F, AKNS A101H, AKNS A102A, AKNS A102B, AKNS A102C, AKNS A102D, AKNS A102E, AKNS A102H, AKNS A201, AKNS A230	ANL F141X, ANL F142X, ANL F251X, ANL F255X, INU F111X, INU F112X, YUP F101X, YUP F102X
	ART A261, ART A262	
	ASL A101, ASL A102, ASL A201, ASL A202	ASLG F101X, ASLG F202X
	CHIN A101, CHIN A102, CHIN A201, CHIN A202	CHNS F101X, CHNS F102X
ENGL S215, ENGL S200, ENGL S217, ENGL S226, ENGL S261	ENGL A121, ENGL A200, ENGL A203, ENGL A205, ENGL A206, ENGL A245, ENGL A310, LING A101	ENGL/FL F200X, ENGL F201X, ENGL F270X, LING F101X, LING F216X
FREN S101, FREN S102	FREN A101, FREN A102, FREN A201, FREN A202	FREN F101X, FREN 102X
	GER A101, GER A102, GER A201, GER A202	GER F101X, GER F102X
HIST S105, HIST S106, HIST S131, HIST S132	HIST A101, HIST A102, HIST A121, HIST A122, HIST A131, HIST A132	
	HNRS A192	
HUM S120	HUM A211, HUM A212	
	JPN A101, JPN A102, JPN A201, JPN A202	JPN F101X, JPN F102X
COMM S101		COJO F101X, COJO F102X
		LAT F101X, LAT F102X
PHIL S101, PHIL S201, PHIL S301	PHIL A101, PHIL A201, PHIL A211, PHIL A212, PHIL A301, PHIL A305, PHIL A313, PHIL A314	PHIL F102X, PHIL F104X, RELG F221X
	PS A331, PS A332, PS A333	
	RUSS A101, RUSS A102, RUSS A201, RUSS A202	RUSS F101X, RUSS F102X

SPAN S101, SPAN S102, SPAN S201, SPAN S202	SPAN A101, SPAN A102, SPAN A201, SPAN A202	SPAN F101X, SPAN F102X
	THR A211, THR A212	
<b>Social Sciences (6-9 credits)</b>		
ANS S101		ANS F111X, ANS F242X
ANTH S101, ANTH S202, ANTH S211	ANTH A101, ANTH A200, ANTH A202, ANTH A211, ANTH A250	ANTH F100X, ANTH F101X, ANTH F111X, ANTH F211X
ECON S100, ECON S201, ECON S202	ECON A101, ECON A102, ECON A120, ECON A123, ECON A210	ECON F101X, ECON F102X, ECON F111X, ECON F120X, ECON F235X
GEOG S101	GEOG A101	GEOG F101X
HIST S105, HIST S106, HIST S131, HIST S132	HIST A101, HIST A102, HIST A131, HIST A132	HIST F100X, HIST F102X, , HIST F110X, HIST F122X, HIST F132X
PS S101, PS S102, PS S202, PS S251	PS A101, PS A102, PS A311	PS F100X, PS F101X, PS F201X, PS F221X
PSY S111, PSY S250	PSY A111, PSY A150, PSY A200	PSY F101X, PSY F123X
SOC S101, SOC S201	SOC A101, SOC A201, SOC A202	SOC F100X, SOC F201X, SWK F103X
	BA A151, CEL A292, EDEC A105, ENVI A212, HNRS A292, INTL A101, JPC A204, JUST A110, JUST A251, JUST A330, JUST A375, LEGL A101, LSSS A111, SWK A106, SWK A243, URS A121, WSGS A200	ACCT F261X, BA F151X, BA F254X, BA/SPT F281X, ECE 104X, ECE F107X, ECE F210X, ECE F229X, HUMS/JUST F125X, JUST F110X, JUST F251X, RD F200X, WGS F201X
<b>Mathematics &amp; Natural Sciences (11 credits)</b>		
<b>Mathematics &amp; Statistics (at least 3 credits)</b>		
MATH S113, MATH S151, MATH S152, MATH S251, MATH S252	MATH A104, MATH A115, MATH A121, MATH A151, MATH A152, MATH A155, MATH A221, MATH A251, MATH A252, MATH A253	MATH F113X, MATH F114X, MATH F122X, MATH F151X, MATH F152X, MATH F156X, MATH F230X, MATH F251X, MATH F252X, MATH F253X
STAT S107, STAT S200	STAT A200, STAT A253, STAT A307	STAT F200X
<b>Lab Natural Sciences</b>		
	ANTH A205	

BIOL S103, BIOL S104, BIOL S111, BIOL S112, BIOL S115, BIOL S116	BIOL A102 & BIOL A103, BIOL A108, BIOL A111, BIOL A112, BIOL A178 & BIOL A179	BIOL F100X, BIOL F103X, BIOL F104X ,BIOL F111X, BIOL F112X, BIOL F115X, BIOL F116X, BIOL F120X
CHEM S103, CHEM S105 & CHEM S105L, CHEM S106 & CHEM S106L	CHEM A103 & CHEM A103L, CHEM A104 & CHEM A104L, CHEM A105 & CHEM A105L, CHEM A106 & CHEM A106L	CHEM F100X, CHEM F103X, CHEM F104X, CHEM F105X, CHEMF106X, CHEM F111X
ENVS S102	ENVI A211 & ENVI A211L	
		GEOG F111X
GEOL S104	GEOL A111 & GEOL A111L, GEOL A115 & GEOL A115L, GEOL A178 & GEOL A179, GEOL A221	GEOS F101X, GEOS F106X, GEOS F112X, GEOS F120X
PHYS S123, PHYS S124, PHYS S211, PHYS S212	PHYS A101 & PHYS A101L, PHYS A115, PHYS A123 & PHYS A123L, PHYS A124 & PHYS A124L, PHYS A211 & PHYS A211L, PHYS A212 & PHYS A212L	PHYS F102X, PHYS F115X, PHYS F123X, PHYS F124X, PHYS F165X, PHYS F211X, PHYS F212X, PHYS F213X
	ASTR S103 & ASTR S103L, ASTR S104 & ASTR S104L, LSIS S102, LSIS S201, LSIS S202	ATM F101X, MSL S111X
<b>Non-lab Natural Sciences</b>		
ANTH S205	ASTR A103, ASTR A104	
	BIOL A100, BIOL A102, BIOL A178, BIOL A200	
CHEM S100, CHEM S105, CHEM S106	CHEM A103, CHEM A104, CHEM A105, CHEM A106	
	ENVI A111, ENVI A211, GEOG A111	
GEOL S105	GEOL A111, GEOL A115, GEOL A178	
OCN S101		
PHYS S165	PHYS A101, PHYS A123, PHYS A124, PHYS A211, PHYS A212	

Beyond the six competencies that shape the objectives of required program courses, completing general education requirements will prepare students for successful participation in local and universal communities. Courses which are included in degree programs as general education requirements will assess

student ability to transfer knowledge from theory to practice through assignments and activities which demonstrate general education learning outcomes (GELO). Not all general education courses will address all of the GELO's.

- **Effective Communication:** Communicate thoughts and ideas effectively, orally and in writing.
- **Critical Thinking:** Demonstrate comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.
- **Creative Thinking:** Present creative works of expression, innovative approaches to tasks, or solutions to problems.
- **Empirical Reasoning:** Articulate the scientific method and pose well-reasoned questions in the search for answers through data.
- **Synthesis and Analysis:** Use and extend theoretical concepts to qualitative and quantitative applications and problem solving.
- **Environmental and Community Engagement:** Use and extend Indigenous and global cultural perspectives with respect for diversity of people, the sustainable use of resources, and awareness of the environment.

## Online Programs and e-Learning

E-Learning education opportunities are consistent with the UAS mission to provide students access to a variety of academic and vocational programs and courses. Admission requirements to e-Learning programs are the same as admission requirements to the programs delivered on campus. Since all courses are approved by appropriate academic departments and faculty groups and meet standards of accreditation, no distinction is made among the various delivery modes in terms of a course's acceptability for meeting degree program requirements.

E-Learning is instruction that occurs when the instructor and student are separated by distance or time or both. Delivery varies by course and may be via web, audio or video conference, or satellite broadcast, may use e-mail, correspondence or other combination of methods, and may require group meetings or be done on an individual basis. It is the responsibility of students to familiarize themselves with the technologies that are required for each course and prepare themselves accordingly before registering for classes.

It is the student's responsibility to obtain advice regarding the applicability of any particular course to meet a specific degree requirement. Student services available for e-Learning students include toll-free voice and fax telephone, admission counseling, faculty advising, UA site coordinators throughout the state, financial aid/scholarships application and awards, placement testing, tutoring resources, online library resources, computing services, and online services such as registration, grade reports, bill payment, and unofficial transcripts.

Certificate and degree programs available through e-Learning may include some on-campus and/ or practicum/internship requirements at specific locations.

The following certificate and degree programs are **available by e-Learning to students within the state of Alaska:** (unless otherwise noted below)

## Occupational Endorsement Certificates

- Accountant (p. 122)<sup>1</sup>
- Alaskan Aquaculture (p. 123)<sup>1</sup>
- Fisheries Management (p. 124)<sup>1</sup>
- Healthcare Information Technology (p. 124)<sup>1</sup>

## Certificates

- Accounting Technician (p. 101)<sup>1</sup>
- Applied Fisheries (p. 102)<sup>1</sup> with an emphasis in: Alaskan Aquaculture or Fisheries Management
- Health Information Management Coding Specialist (p. 103)<sup>1</sup>
- Healthcare Privacy and Security (p. 104)<sup>1</sup>
- Pre-Radiologic Technology Qualifications (p. 107)
- Small Business Management (p. 108)<sup>1</sup>

## Associate Degrees

- Associate of Arts (p. 62)
- A.A.S. in Applied Fisheries (p. 62)<sup>1</sup>
- A.A.S. in Business Administration (p. 64)<sup>1</sup>
- A.A.S. in Health Information Management (p. 65)<sup>1</sup>
- Associate of Science (p. 63)

## Bachelor Degrees<sup>2</sup>

- Bachelor of Arts in Elementary Education (p. 77)
- Bachelor of Arts in Social Science (p. 97)<sup>1</sup>
- Bachelor of Arts in Special Education (p. 100)
- Bachelor of Business Administration (p. 75)<sup>1</sup> with an emphasis in: Accounting, Human Resource Management, Management, or Management Information Systems
- Bachelor of Liberal Arts (p. 90)<sup>1</sup> Alaskan Native Languages and Studies and Interdisciplinary Studies in Humanities only

## Master's Degrees

- Master of Arts in Teaching (Elementary) (p. 116)
- Master of Arts in Teaching (Secondary) (p. 119)
- Master of Arts in Teaching (Special Education) (p. 120)
- Master of Education in Educational Leadership (p. 115)
- Master of Education in Reading Specialist (p. 118)
- Master of Education in Special Education (p. 121)
- Master of Public Administration (p. 117)<sup>1</sup> (also available in Whitehorse, YT Canada)

## Graduate Certificates

- Elementary Education (p. 111)
- Reading Specialist (p. 112)
- Special Education (p. 113)

UAS facilitates the delivery of the following University of Alaska academic degree programs:

- Associate of Applied Science in Nursing (UAA) (p. 68)
- Bachelor of Arts in Social Work (UAF) (p. 99)

For specific information about UAS programs and courses offered by e-Learning and the semester schedule of classes, log on to the UAS e-Learning website [uas.alaska.edu/students/getahead/elearn.html](https://uas.alaska.edu/students/getahead/elearn.html) (<https://uas.alaska.edu/students/getahead/elearn.html>) or call 1-877-465-4827.

- <sup>1</sup> Indicates program is offered by e-Learning to out of state students. Non-resident surcharges will apply.
- <sup>2</sup> Not all minors are available via e-Learning

## Other Academic Opportunities

### Health Science Careers: Nursing, Allied Health

#### Nursing

The University of Alaska Southeast (UAS) has partnered with the University of Alaska Anchorage (UAA) to bring nursing education to all three campuses. Students interested in pursuing careers in nursing are able to take a variety of prerequisite and co-requisites needed for successful application to the UAA nursing program. Interested students should review course information in the UAS Certificate in Pre-Nursing Qualifications. Further information about these options can be found at the UAS Health Science web page at: [uas.alaska.edu/career\\_ed/healthscience](https://uas.alaska.edu/career_ed/healthscience) ([https://uas.alaska.edu/career\\_ed/healthscience/](https://uas.alaska.edu/career_ed/healthscience/)).

#### Other Healthcare Career Options

There are other options in healthcare preparation. Students who are interested in a general health sciences background should review the UAS A.A.S. in Health Sciences. The UAS core of health science and related courses may meet most of the needs of students interested in pre-medicine, pre-professional health careers or a number of other programs in the allied health fields. Contact the UAS Health Sciences program for more information or go to the UAS Health Science web page at [uas.alaska.edu/career\\_ed/healthscience](https://uas.alaska.edu/career_ed/healthscience) ([https://uas.alaska.edu/career\\_ed/healthscience/](https://uas.alaska.edu/career_ed/healthscience/)).

## Internships

Academic internships are experience-based courses that place a student in an organization, public or private, under the supervision of a qualified professional in the agency and a UAS faculty member. In some cases, the internships may carry a salary as well as credits. Internships that generate credit require satisfactory completion of a minimum of four hours of work per week for each credit (0+0+4). To apply for an internship, a student must be admitted to a University program, and must also demonstrate sufficient educational preparation for the internship before applying. Interested students should consult with their advisor before applying. Internship credit may be applied toward undergraduate programs as follows: Six (6) credits in a certificate program, nine (9) credits in an associate degree, and twelve (12) credits in a bachelor's degree program. Contact Departmental faculty and/or Career Services at (907) 796-6368 for internship information.

## Undergraduate Research and Creative Expression

Undergraduates have special opportunities to focus on research and creative expression at UAS. For more information: [uas.alaska.edu/research/students](https://uas.alaska.edu/research/students/) (<https://uas.alaska.edu/research/students/>)

## Phi Theta Kappa, Ketchikan

The Ketchikan campus sponsors a chapter of Phi Theta Kappa international honorary society for students in two-year colleges. This is one of the six chapters in Alaska, and provides opportunities for academic growth as well as fellowship, leadership, and scholarship.

## Pi Mu Epsilon

Alaska's first chapter of Pi Mu Epsilon, the Alaska Alpha Chapter, was installed at the Juneau campus of UAS on April 17, 2014. Pi Mu Epsilon is the national honor society in mathematics, and is dedicated to the promotion, recognition and support of students who successfully pursue mathematical understanding and scholarship.

## UAS Center for Mine Training

The UAS Center for Mine Training, located in downtown Juneau at the UAS Technical Education Center (TEC), supports underground mine training in partnership with the UA Mining and Petroleum Training Service (MAPTS). For more information: [uas.alaska.edu/career\\_ed/mining/index.html](https://uas.alaska.edu/career_ed/mining/index.html) ([https://uas.alaska.edu/career\\_ed/mining/](https://uas.alaska.edu/career_ed/mining/))

## Alaska Coastal Rainforest Center

ACRC is a center for research, education, and outreach focusing on coastal temperate rainforest communities in the North Pacific region. For more information: <http://acrc.alaska.edu>

## Legislative Internship Program

The University of Alaska Legislative Internship Program enables qualified students from the University of Alaska Anchorage (UAA), the University of Alaska Fairbanks (UAF), and the University of Alaska Southeast (UAS), to obtain course credits while working in the Alaska Legislature. For more information: [uas.alaska.edu/internprogram/](https://uas.alaska.edu/internprogram/) (<https://uas.alaska.edu/internprogram/>)

# INSTITUTIONAL INFORMATION

- Faculty (p. 215)
- General Information and Accreditation (p. 222)
- Information Directory (p. 223)
- Mission, Vision, and Values (p. 224)
- Staff (p. 224)
- UA Board of Regents (p. 230)
- UAS Alumni & Friends Association (p. 230)
- UAS Campus Advisory Councils (p. 230)
- University of Alaska Southeast Campuses (p. 231)

## Faculty

- #
- A (p. 215)
- B (p. 215)
- C (p. 216)
- D (p. 216)
- E
- F (p. 216)
- G (p. 216)
- H (p. 217)
- I (p. 217)
- J (p. 217)
- K (p. 218)
- L (p. 218)
- M (p. 218)
- N (p. 219)
- O (p. 219)
- P (p. 219)
- Q
- R (p. 220)
- S (p. 220)
- T (p. 220)
- U (p. 221)
- V (p. 221)
- W (p. 221)
- X
- Y
- Z (p. 222)

## A

### **Rosemarie J. Alexander-Isett**

Term Assistant Professor of Communication  
Juneau  
M.A., Ph.D. Michigan State University

### **Jason M. Amundson**

Associate Professor of Geophysics  
Juneau  
B.S. University of Minnesota  
M.S., Ph.D. University of Alaska Fairbanks

### **Susan Andrews**

Term Assistant Professor of Education  
Juneau  
B.S. Ed. Southwest Texas University  
M.Ed. National-Louis University

## B

### **Valerie Barber**

Adjunct Faculty of Chemistry  
Sitka  
B.S. Florida Institute of Technology  
M.S., Ph.D. University of Alaska Fairbanks

### **Heather L. Batchelder**

Associate Professor of Education  
Juneau  
B.A. University of Florida  
M.A., Ph.D. University of Central Florida

### **Terissia Bell**

Assistant Professor of Health Information Management  
Sitka  
A.A.S., B.B.A. University of Alaska Southeast

### **Carolyn A. Bergstrom**

Associate Professor of Marine Biology  
Juneau  
(affiliate appointment with UAF)  
B.S. University of Arizona  
Ph.D. University of Victoria, British Columbia

### **Brian Blitz**

Professor of Mathematics  
Juneau  
B.S. University of Chicago  
M.S. Northern Arizona University  
Ph.D. Washington State University

### **Angela Bowers**

Term Assistant Professor of Fisheries Technology  
Sitka  
B.S. University of Wisconsin-EAU Claire

### **Michael Boyer**

Associate Professor of Law Science  
Juneau  
B.L.A. University of Alaska Southeast  
M.S. Texas A&M Commerce  
J.D. University of Oregon

### **Charla A. Brown**

Associate Professor of Human Resource Management  
Juneau  
B.A., M.S. Lamar University  
Ph.D. Brigham Young University

### **Jennifer Brown**

Assistant Professor of Anthropology  
Ketchikan  
B.A. Fort Lewis College  
Ph.D. University of Pennsylvania

**Heather Burge**

Term Assistant Professor of Alaska Native Languages  
Juneau

**Megan Buzby**

Associate Professor of Mathematics  
Juneau  
B.A. Adams State University  
M.S., Ph.D. Colorado State University

**C**

**Marnie Chapman**

Professor of Biology  
Sitka  
B.A., M.A. Humboldt State University  
M.S. Saint Joseph College

**Cathy L. Connor**

Professor of Geology, Emerita  
Juneau  
B.S., M.S. Stanford University  
Ph.D. University of Montana

**David B. Cox II**

Assistant Professor of Library Science  
Serials and Electronic Resources  
Juneau  
B.A. University of Denver  
M.S.L.I.S. Syracuse University

**D**

**Roblin Gray Davis**

Adjunct Faculty of Education  
Juneau  
B.A. Fairhaven College  
M.A. Western Washington University  
M.F.A. Naropa University

**Andrea L. Dewees**

Associate Professor of Spanish  
Juneau  
B.A. The Evergreen State College  
M.A., Ph.D. University of Michigan

**Kathy DiLorenzo**

Associate Professor of Public Administration  
Juneau  
B.S., M.P.A., D.A. Idaho State University

**Tom Dolan**

Power Technology Program Head  
Term Assistant Professor  
Juneau  
A.A.S. University of Alaska Anchorage

**Melissa Dolese**

Assistant Professor of Psychology  
Juneau  
B.A., M.A. Montclair State University  
M.A. Brooklyn College  
Ph.D. City University of New York

**Jill Dumesnil**

Professor of Mathematics  
Juneau  
B.S. Lamar University  
M.S., Ph.D. Louisiana State University

**F**

**Justin Fantasia**

Term Assistant Professor of Construction Technology  
Juneau  
B.S. University of Massachusetts Amherst

**Clint J. Farr**

Adjunct of Medical Sciences  
Juneau  
B.S., M. S. Colorado State University

**Susie Feero**

Associate Professor of Health Information Management  
Sitka  
B.A. University of Hawaii, Hilo  
M.Ed. University of Alaska Southeast

**Jason B. Fellman**

Term Research Assistant Professor of Environmental Science  
Juneau  
B.S. University of Scranton  
M.S. Washington State University  
Ph.D. University of Alaska Fairbanks

**Marjorie Fields**

Professor of Education, Emerita  
Juneau  
B.A. Central Washington State University  
M.S. Portland State University  
Ed.D. Arizona State University

**Stephen P. Florian**

Assistant Professor of Writing and Communication  
Ketchikan  
M.A. California State University Northridge

**Steffen Frazier**

Term Assistant Professor of Diesel Technology  
Juneau

**Virgil Fredenberg**

Professor of Education  
Juneau  
B.S., M.S., Ed.D. Montana State University

**G**

**Robin Gilcrist**

Construction Technology Program Head  
Associate Professor of Construction Technology  
Juneau  
A.A. Sacramento City College  
B.A. University of Hawaii, Manoa  
M.Ed. University of Alaska Southeast

## H

### Richard Hacker

Professor of Law Science, Emeritus  
Juneau  
B.A. St. Mary of the Lake University  
M.S.W. University of Maryland  
J.D. University of New Mexico

### Julie Hamilton

Business and Public Administration Department Chair  
Associate Professor of Accounting  
Juneau  
B.S. Arizona State University  
M.B.A. University of Alaska Southeast  
C.P.A. State of Alaska

### Kim Hanisch

Term Assistant Professor of Educational Leadership  
Juneau  
B.S. Chadron State College  
M.A. Bemidji State University

### Elizabeth Hartley

Term Assistant Professor of Education  
Juneau  
B.A. College of Sante Fe  
M.A. University of Northern Colorado  
Ph.D. University of Colorado

### John Hartog III

Adjunct Faculty of Philosophy  
Sitka  
M.A. University of Minnesota  
Th.D. Central Baptist Seminary  
Ph.D. Iowa State University

### Sherry Hassell

Adjunct Faculty of Accounting  
Juneau  
B.B.A., M.B.A. University of Alaska Southeast  
C.P.A. State of Alaska

### Forest Haven

Term Assistant Professor of Anthropology and Alaska Native Studies  
Juneau

### Christopher Hay-Jahans

Professor of Mathematics  
Juneau  
B.S. University of Oregon  
M.A. University of Maine  
D.A. Idaho State University

### Ernestine Hayes

Professor of English, Emerita  
Juneau  
B.L.A. University of Alaska Southeast  
M.F.A. University of Alaska Anchorage

### Kaia Henrickson

Assistant Professor of Library and Information Science  
Information Literacy Librarian  
Juneau  
B.F.A. Corcoran College of Art and Design  
M.A.T. University of Alaska Southeast  
M.L.I.S. Simmons College

### Erica Hill

Professor of Anthropology  
Juneau  
B.A. University of Florida  
M.A., Ph.D. University of New Mexico

### Dustin Hofeling

Adjunct Faculty of Business Administration  
Juneau  
B.S. Southern Utah University  
M.B.A. University of Alaska Southeast

### Lisa Hoferkamp

Associate Professor of Chemistry  
Juneau  
B.S. University of Idaho  
M.S. Florida State University  
Ph.D. University of Neuchatel (Switzerland)

### Elizabeth Hoffman

Adjunct Faculty of Information Systems  
Juneau  
B.A. University of Montana  
M.B.A. University of Alaska Southeast

### Eran Hood

Professor of Environmental Science  
Juneau  
(affiliate appointment with UAF)  
B.A. Harvard College  
M.A., Ph.D. University of Colorado

## I

### Colleen Ianuzzi

Associate Professor of Mathematics  
Ketchikan  
B.S., M.S. University of Alaska Fairbanks

## J

### Mischa Jackson

Assistant Professor of Secondary Education  
Juneau

### Haley Johnson

Adjunct Faculty of Business Administration  
Juneau  
B.S. University of Central Texas  
M.B.A. University of Texas Arlington

### Tommy Joseph

Adjunct Faculty of Northwest Coast Arts  
Sitka

## K

### Jeremy Kane

Associate Professor of Art  
Juneau  
B.F.A. University of Alaska Fairbanks  
M.F.A. Ohio University

### Susan Koester

Professor of Communication, Emerita  
Juneau  
B.A., M.A. San Diego State University  
Ph.D. The Union Institute

### Kevin Krein

Professor of Philosophy  
Juneau  
B.A. Willamette University  
M.A., Ph.D. University of Toronto

## L

### Michael LaBarge

Assistant Professor of Marine Transportation  
Ketchikan  
B.A. College of Saint Rose  
USCG Approved Instructor

### Kitty LaBounty

Term Associate Professor of Biology  
Sitka  
B.S. University of Washington  
M.S. University of California at Riverside

### Jonas Lamb

Associate Professor of Library and Information Science  
Public Services Librarian  
Juneau  
B.A. University of Michigan  
M.L.I.S. Drexel University

### Rod Landis

Professor of English, Emeritus  
Ketchikan  
B.S. Toccoa Falls College  
M.A. University of Georgia  
M. Litt. Breadloaf School of English, Middlebury College

### Joe Liddle

Professor of Mathematics  
Sitka  
B.S. Northern Michigan University  
M.S. Western Washington University  
M.S., Ph.D. University of Alaska Fairbanks

### Roby Littlefield

Adjunct Faculty of Alaskan Languages  
Sitka

### Jeffrey Lofthus

Professor of Education  
Juneau  
B.S., M.A., Ph.D. University of North Dakota

### Marilyn Lumba

Term Assistant Professor of CNA  
Juneau  
R.N. State of Alaska  
B.S.N. North Davao Colleges

## M

### Kevin Maier

Professor of English  
Juneau  
B.A. Western Washington University  
M.A., Ph.D. University of Oregon

### Joel A. Markis

Program Director of Fisheries Technology  
Associate Professor of Fisheries Technology  
Sitka  
B.S. Montana State University  
M.S. University of Alaska Fairbanks

### Jon Martin

Assistant Professor of Biology  
Sitka  
B.S., M.S. Portland State University

### Kelly McCormick

Adjunct Faculty of Education  
Juneau  
B.S. Portland State University  
M.A.T. University of Alaska Southeast

### Colleen McKenna

Professor of Information Systems  
Juneau  
B.A. St. Michael's College  
M.S.L.I.S. Florida State University  
M.S. University of Illinois Springfield

### Ljubomir (LJ) Medenica

Associate Professor of Public Administration  
Juneau  
B.S., M.B.A. University of Belgrade  
D.B.A. California Coast University

### Konrad Meister

Assistant Professor of Chemistry  
Juneau  
B.S., M.S., Ph.D. Ruhr University Bochum  
Certified Intercultural Engineer

### Daniel Monteith

Associate Professor of Anthropology  
Juneau  
B.A., M.A. University of Chicago  
M.A., Ph.D. Michigan State University

### Barbara Morgan

Instructor of General Studies  
Ketchikan  
M.A.T. University of Alaska Southeast

**Roman Motyka**

Research Professor Emeritus, Geophysical Institute, UAF  
 Juneau  
 B.A. St. Mary's University  
 M.S. Michigan State University  
 Ph.D. University of Alaska Fairbanks

**N****Sonia Nagorski**

Associate Professor of Geology  
 Juneau  
 B.A. Amherst College  
 M.S., Ph.D. University of Montana

**Michael Navarro**

Assistant Professor of Marine Fisheries  
 Juneau  
 B.S. University of California Los Angeles  
 M.S. California State University Fullerton  
 Ph.D. University of California San Diego

**Neil Nickerson**

Term Assistant Professor of Marine Transportation  
 Ketchikan  
 B.S. Arizona State University  
 M.A. Naval War College New Port RI  
 Master, Any Gross tons upon oceans  
 USCG approved instructor

**David Hoogland Noon**

Professor of History  
 Juneau  
 B.A. James Madison University  
 M.A., Ph.D. University of Minnesota

**O****Larry O'Loane**

Term Assistant Professor of Power Technology  
 Ketchikan  
 A.A.S. Oregon Institute of Technology

**Jason Ohler**

Professor of Education, Emeritus  
 Juneau  
 B.A. University of Toronto  
 M.Ed. University of Alaska Southeast  
 Ph.D. Simon Fraser University

**Lawrence Lee Oldaker**

Professor of Education, Emeritus  
 Juneau  
 B.S. Appalachian State University  
 M.Ed. The College of William and Mary  
 Ed.D. University of Georgia

**P****Heidi Pearson**

Associate Professor of Marine Biology  
 Juneau  
 (affiliate appointment with UAF)  
 B.S. Duke University  
 Ph.D. Texas A&M University

**Art Petersen**

Professor of English, Emeritus  
 Juneau  
 A.A. Sierra College  
 B.A., M.A. California State University, Sacramento  
 Ph.D. The Union Institute

**Andrzej Piotrowski**

Natural Sciences Department Chair  
 Professor of Mathematics  
 Juneau  
 B.S., M.S. University of New Hampshire  
 Ph.D. University of Hawaii

**Katarzyna Polanska**

Term Assistant Professor of Political Science and Sociology  
 Ketchikan  
 B.A. San Fransico State University  
 M.A. Stanford University  
 Ph.D. University of Minnesota

**James E. Powell**

Assistant Research Professor, Alaska Coastal Rainforest Center  
 Juneau  
 B.A. Rochester Institute of Technology  
 M.P.A. University of Alaska Southeast  
 Ph.D. University of Alaska Fairbanks

**Timothy Powers Jr.**

Adjunct Faculty of Information Systems  
 Juneau  
 B.B.A. University of Alaska Southeast

**Wayne Price**

Term Associate Professor of Northwest Coast Arts  
 Juneau

**Allen Puckett**

Term Assistant Professor of Welding Technology  
 Sitka  
 AWS Certified Welding Educator  
 AWS Certified Welding Inspector

**Sanjay Pyare**

Associate Professor of Environmental Science  
 Juneau  
 (affiliate appointment with UAF)  
 B.A. Hartwick College  
 Ph.D. University of Nevada

## R

### **John Radzilowski**

Professor of History  
Ketchikan  
B.A. SW State University  
Ph.D. Arizona State University

### **Lisa K. Richardson**

Associate Professor of Education  
Juneau  
B.A. Montana State University  
M.A. Middlebury College  
Ph.D. University of Arizona

### **Charmaine Robinson**

Assistant Professor of Science  
Ketchikan  
B.S. University of California, Davis

## S

### **Greg Sampson-Gruener**

Assistant Professor of Education  
Juneau  
B.S. Oregon Institute of Technology  
M.S. Southern Oregon University  
Ph. D. Oregon State University

### **Amy K. Samuel**

Medical Assisting Program Director  
Term Associate Professor of Medical Assisting  
Sitka  
A.S. Whatcom Community College  
B.A. University of Alaska Fairbanks

### **Paulette Schirmer**

Assistant Professor of Accounting  
Juneau  
B.S. Metropolitan State College of Denver  
M.B.A. Regis University  
D.B.A. University of Phoenix

### **Jerry Schoenberger**

Term Assistant Professor of Educational Leadership  
Juneau  
B.A. University of Guam  
M.A. Consortium of California State Universities & Colleges

### **Julie Schram**

Assistant Professor of Animal Physiology  
Juneau  
B.S. Western Washington University  
M.S., Ph.D. University of Alabama at Birmingham

### **Priscilla Schulte**

Ketchikan Campus Director  
Professor of Anthropology/Sociology  
Ketchikan  
B.A., M.A. University of Connecticut  
Ph.D. University of New Mexico

### **Richard F. Simpson**

Assistant Professor of Humanities  
Juneau  
B.A., M.A. University of Florida  
Ph.D. Stanford University

### **Kristy Smith**

Term Assistant Professor of Business Administration  
Juneau  
B.B.A. University of Alaska Southeast  
M.B.A. Jones International University  
D.M. University of Phoenix  
Certified Senior Professional of Human Resources

### **Katy Spangler**

Professor of Education, Emerita  
Juneau  
B.A., M.Ed., Ph.D. University of Washington

### **Joseph Spink**

Term Assistant Professor of Elementary Education  
Juneau  
B.S. Beloit College  
M.A.T. University of Arizona

### **Michael Stekoll**

Professor of Chemistry and Biochemistry, Emeritus  
Juneau  
(affiliate appointment with UAF)  
B.S. Stanford University  
Ph.D. University of California at Los Angeles

### **Janice Straley**

Term Professor of Marine Biology  
Sitka  
B.S. University of Washington  
M.S. University of Alaska Fairbanks

### **Jay Szczepanski**

Term Assistant Professor of English  
Juneau  
B.A. Flagler College  
M.A. Florida State University

## T

### **David Tallmon**

Professor of Biology  
Juneau  
(affiliate appointment with UAF)  
B.A. University of California at Santa Cruz  
M.S., Ph.D. University of Montana

### **Sherry Tamone**

Professor of Biology, Emerita  
Juneau  
B.S. San Francisco State University  
Ph.D. University of California at Davis

**Thomas Fox Thornton**

Director of Alaska Coastal Rainforest Center  
 Professor of Environment and Society  
 Juneau  
 B.A. Swarthmore College  
 M.A., Ph.D. University of Washington

**Sara Tomczuk**

Term Assistant Professor of Support Services  
 Sitka  
 B.A. The College of New Jersey  
 M.A., Ph.D. University of Washington

**Math Trafton**

Associate Professor of English  
 Sitka  
 B.S., B.A., M.A., M.A., Ph.D. University of Colorado at Boulder

**Pete Traxler**

Executive Dean of Career Education  
 Assistant Professor of Construction Technology  
 Juneau  
 B.B.A. Crown College  
 M.P.A. University of Alaska Southeast

**Lance (X'unei) A. Twitchell**

Associate Professor of Alaska Native Languages  
 Juneau  
 B.A. University of Minnesota  
 M.F.A. University of Alaska Fairbanks  
 Ph.D. University of Hawaii, Hilo

**U****William Urquhart II**

Social Sciences Department Chair  
 Associate Professor of Sociology  
 Ketchikan  
 B.S. Oregon State University  
 M.A., Ph.D. Tulane University

**V****Lora E. Vess**

Associate Professor of Sociology  
 Juneau  
 B.A. Virginia Polytechnic Institute and State University  
 M.A. Northern Arizona University  
 Ph.D. University of Oregon

**Neil Voelckers**

Term Assistant Professor of Power Technology  
 Juneau  
 A.A.S. University of Alaska Southeast

**W****Forest J. Wagner**

Humanities Department Chair  
 Assistant Professor of Outdoor Studies  
 Juneau  
 B.L.A. University of Alaska Southeast

**Emily Wall**

Professor of English  
 Juneau  
 B.A. Colby College  
 M.F.A. University of Arizona

**Robin Walz**

Professor of History, Emeritus  
 Juneau  
 B.A. Whitworth College  
 M.A. San Francisco State University  
 Ph.D. University of California at Davis

**Jennifer Ward**

Associate Professor of Library and Information Science  
 Outreach Services Librarian  
 Juneau  
 A.L.B. Harvard Extension School  
 M.L.I.S. University of Hawaii, Manoa

**Peggy Weaver**

Adjunct Faculty of Public Administration  
 Juneau  
 B.A. Antioch University

**Mary Wegner**

Assistant Professor of Educational Leadership  
 Juneau  
 B.S. University of Wisconsin-Eau Claire  
 M.Ed. University of Alaska Southeast  
 Ed.D. Pepperdine University

**Jennifer Welsh**

Term Assistant Professor of History  
 Juneau  
 B.A. University of Richmond  
 M.A. Cornell University  
 M.A., Ph.D. Duke University

**Teague Whalen**

Associate Professor of English and Communication  
 Ketchikan  
 B.A. University of Michigan  
 M.F.A. Northern Michigan University

**Lauren Wild**

Term Assistant Professor of Fisheries Technology  
 Sitka  
 B.A. Brandeis University  
 M.S. University of St. Andrews  
 Ph.D. University of Alaska Fairbanks

**Glenn D. Wright**

Associate Professor of Political Science  
 Juneau  
 B.A. University of Alaska Fairbanks  
 M.A.T. University of Alaska Southeast  
 M.A., Ph.D. University of Colorado, Boulder

## Z

### Elizabeth Zacher

Term Assistant Professor of Art  
Sitka  
B.F.A. The Hartford Art School  
M.F.A. Ohio University

### Alison Ziegler

Associate Professor of Psychology  
Ketchikan  
B.A., M.S., Ph.D. University of Michigan

### Darcie Ziel

Term Assistant Professor of Health Sciences  
Sitka  
B.S. University of Alaska Fairbanks  
B.S. University of Alaska Anchorage

## General Information and Accreditation

### Policy Statement

This catalog is designed to provide current and accurate information for guidance of prospective students, for faculty and administrative officers, for students currently enrolled, and for other education or allied agencies. It is published for informational purposes only and should not be construed as the basis of a contract between a student and the University of Alaska Southeast.

The offering of course work and/or certificate and degree programs by the University of Alaska Southeast is governed by the availability of resources. Every effort is made to provide information that is accurate at the time the catalog is prepared. Information concerning regulations, programs, faculty, and other matters is, however, subject to change at any time during the period for which the catalog is in effect. The university reserves the right to initiate changes in any of its regulations or programs, and such changes shall become effective in relation to time periods required by applicable statutes, university regulations, or program requirements. Applicants are therefore advised to contact individual departments regarding possible changes.

### Online Catalog Updates

The academic catalog will no longer be printed as it will be exclusively available online. Updates may be made as deemed necessary.

### Smoke-Free/Tobacco-Free Campuses

The university is committed to providing a safe and healthy environment for its students, employees, and visitors, by prohibiting tobacco use and smoking, including the use of electronic cigarettes and similar products, within its campuses and facilities.

### Institutional Accreditation

The University is accredited by the Northwest Commission on Colleges and Universities (NWCCU (<https://www.nwccu.org/>)). Accreditation of an institution of higher education by the

Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution. Inquiries regarding an institution's accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact: Northwest Commission on Colleges and Universities, 8060 165th Avenue N.E., Suite 100 Redmond, WA 98052, (425) 558-4224. Accreditation by the Northwest Commission on Colleges and Universities refers to the institution as a whole. Therefore, statements like "fully accredited" or "this program is accredited by the Northwest Commission on Colleges and Universities" or "this degree is accredited by the Northwest Commission on Colleges and Universities" are incorrect and should not be used.

## Specialized Accreditation

### Teacher Education

The School of Education (SOE) at the University of Alaska Southeast is accredited by the Council for the Accreditation of Educator Preparation (CAEP), [www.caepnet.org](http://www.caepnet.org) (<http://caepnet.org/>). CAEP accreditation signifies that the SOE has met the rigorous standards set forth for educator preparation.

This accreditation is required by the Alaska Department of Education and Early Development. To be eligible for an Alaska teaching license, a teacher candidate must complete a teacher preparation program from a CAEP accredited unit.

### Business Programs

Baccalaureate Business Programs at the University of Alaska Southeast are accredited by the Accreditation Council for Business Schools and Programs (ACBSP), [acbsp.org](http://acbsp.org). ACBSP accreditation certifies that UAS exemplifies leadership, strategic planning, relationships with stakeholders, quality of academic programs, faculty credentials, and educational support, ensuring that the business programs offer a rigorous educational experience and demonstrate continuous quality improvement.

### Health Information Management

The Health Information Management (Associate degree) program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM (<http://www.cahiim.org/>)).

### Medical Assisting Certificate

The University of Alaska Southeast is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP (<https://www.caahep.org/>)) upon the recommendation of the Medical Assisting Education Review Board (MAERB (<https://www.maerb.org/>)). Individuals may also contact: Commission

on Accreditation of Allied Health Education Programs, 25400  
U.S. Highway 19 North, Suite 158, Clearwater, FL 33763, (727)  
210-2350.

## Information Directory

### Juneau Campus

11066 Auke Lake Way  
Juneau, AK 99801  
(907) 796-6000  
1-877-465-4827 toll free  
uas.info@alaska.edu  
Business Office TTY:  
(907) 796-6487  
Library TTY:  
(907) 796-6446

### Ketchikan Campus

2600 7th Avenue  
Ketchikan, AK 99901-5798  
1-888-550-6177 (Alaska only)  
(907) 228-4511  
ketch.info@alaska.edu

### Sitka Campus

1332 Seward Avenue  
Sitka, AK 99835-9418  
1-800-478-6653  
(907) 747-7700  
sitka.info@alaska.edu

## ADMINISTRATION

### UAS Chancellor

Karen T. Carey (907) 796-6509

### Interim Provost, Interim Vice-Provost for Research & Sponsored Programs, and Interim Dean of Graduate Studies

Maren Haavig (907) 796-6353

### Vice Chancellor for Administrative Services

Michael Ciri (907) 796-6534

### Vice Chancellor of Enrollment Management and Student Affairs

Lori Klein (907) 796-6057

### Associate Vice Chancellor for Alaska Native Programs and Director of PITAAS

Ronalda Cadiente Brown (907) 796-6058

### Dean of Arts & Sciences

Carin Silkaitis (907) 796-6518

### Executive Dean of School of Career Education/Juneau Programs

Pete Traxler (907) 796-6139

### Interim Director of School of Education

Mary Lou Madden (907) 796-6551

### Director Ketchikan Campus

Priscilla Schulte (907) 228-4515

### Director Sitka Campus

Paul Kraft (907) 747-7704

### Library Dean

Elise Tomlinson (907) 796-6467

### Director of Facilities Services

Nathan Leigh (907) 796-6496

### Director of Alaska Coastal Rainforest Center

Thomas Thornton (907) 796-6518

## STUDENT AFFAIRS

### Juneau Campus

Auxiliary Services (907) 796-6528

Admissions (907) 796-6100

Academic Advising (907) 796-6000

Academic Exchanges (907) 796-6000

Alumni Association (907) 796-6569

Cashier (907) 796-6267

Career Services (907) 796-6000

Counseling (907) 796-6000

Disability Services (907) 796-6000

Financial Aid (907) 796-6255

Food Service (907) 796-6520

Health Services (907) 796-6000

Housing Office (907) 796-6528

Summer Guest Housing (907) 796-6443

Student Activities (907) 796-6528

Student Resource Ctr. (907) 796-6000

### Admissions

Juneau (907) 796-6100

### Records & Registration

Juneau (907) 796-6100

Ketchikan (907) 228-4513

Sitka (907) 747-7701

### Juneau Campus Student Activities

Student Activities (907) 796-6325

Student Recreation Center (907) 796-6544

Student Government (907) 796-6517

Whalesong Student Newspaper (907) 796-6434

### Ketchikan Campus

Admissions/Registration (907) 228-4511

Student Services (907) 228-4528

### Sitka Campus

Academic Advising (907) 747-7717

Admissions & Program  
Information (907) 747-7717

Disability Services (907) 747-7717

Registration & Campus Help Desk	(907) 747-7700
Student Government	(907) 747-7717
Testing/Student Success Center	(907) 747-7717

## DEPARTMENTS

### Academic Programs

Business and Public Administration	(907) 796-6402
Career Education	(907) 796-6120
Education	(907) 796-6076
Humanities	(907) 796-6405
Mathematics	(907) 796-6485
Natural Sciences	(907) 796-6200
Social Sciences	(907) 796-6163
UAF Juneau, CFOS	(907) 796-5441
Ketchikan Campus	(907) 225-6177
Sitka Campus	(907) 747-7700

### Business Services

Juneau	(907) 796-6267
Ketchikan	(907) 228-4530
Sitka	(907) 747-7737

### Computing Services

Juneau	(907) 796-6452
--------	----------------

### Help Desk: Technology Services

Juneau	(907) 796-6400
Toll-free	(877) 465-6400

### Student Computer Lab

Juneau	(907) 796-6521
Ketchikan	(907) 228-4526
Sitka	(907) 747-7717

### Learning Centers & Testing Services

Juneau	(907) 796-6348
Ketchikan	(907) 228-4524
Sitka	(907) 747-7717

### Workforce Development & Continuing Education

Ketchikan	(907) 228-4511
Sitka	(907) 747-7700

### E-Learning Information

Juneau	(907) 796-6000
Ketchikan	(907) 228-4528
Sitka	(907) 747-7717

### Library Services

Juneau & Sitka Campuses	
Egan Library	(907) 796-6300
Toll Free	(877) 796-6502
Ketchikan Library	(907) 228-4567

### Media Services

Juneau	(907) 796-6514
--------	----------------

### Public Information Office

Juneau	(907) 796-6509
Ketchikan	(907) 228-4523
Sitka	(907) 747-7704

### Personnel/Human Resources

Juneau	(907) 796-6263
Ketchikan	(907) 228-4509
Sitka	(907) 747-7706

## Mission, Vision, and Values

### Mission

The University of Alaska Southeast is a student centered university that provides instruction in liberal arts, professional, and technical fields. On the homelands of the Tlingit, Haida, and Tsimshian peoples, we serve the coastal environments, cultures, economies, and communities of Alaska, through interdisciplinary education, workforce development, and scholarship, research and creative activity.

### Vision

The University of Alaska Southeast is recognized as a destination of choice for students seeking excellent academic programs and engaging learning opportunities that integrate the environment and cultures of Southeast Alaska.

### Values

1. **Excellence** – we pursue excellence through continuous improvement and innovation in teaching, community engagement, and research, scholarship, and creative expression.
2. **Diversity** – we embody and respect the diversity of each individual's culture, talents and abilities, and educational goals with special attention to **Alaska Native** heritage unique to Southeast Alaska.
3. **Access** – we create accessibility to programs and services through use of technology, innovative and creative practices, and personalized services.
4. **Collaboration** – we forge dynamic and cooperative partnerships internally among students, faculty, and staff and externally with other academic institutions, government agencies, business and industry, and community-based organizations to enhance our effectiveness.
5. **Sustainability** – we contribute to the economic, social, and ecological sustainability and quality of life of the southeast region and state, nation, and world using the unique opportunities available (e.g., coastal environment, **Tongass** National Forest, glacial ecosystem, Juneau as Alaska's capital city).
6. **Stewardship** – we are responsible stewards in the use of our resources and are accountable for results working in an environment that values the contributions of all.

## Staff

- #
- A (p. 225)
- B (p. 225)

- C (p. 225)
- D (p. 226)
- E (p. 226)
- F (p. 226)
- G (p. 226)
- H (p. 226)
- I (p. 227)
- J (p. 227)
- K (p. 227)
- L (p. 227)
- M (p. 228)
- N (p. 228)
- O (p. 228)
- P (p. 228)
- Q
- R (p. 228)
- S (p. 229)
- T (p. 229)
- U
- V (p. 229)
- W (p. 229)
- X
- Y
- Z

## A

### **Kiwana D. Affatato**

Credentials Evaluator  
Juneau  
B.A., M.A. University of Louisiana Monroe

### **Amanda J. Arra**

Health Practitioner, Student Health Services  
Juneau  
B.A. Colorado College  
M.A. University of New Mexico  
PA-C, MMSc Yale University School of Medicine

### **Bill Ayers**

Information Systems Technician  
Ketchikan

## B

### **Casey Bain**

Mine Training Coordinator  
Juneau  
B.A. University of Alaska Southeast

### **Amy E. Bannerman**

Assistant to the Dean of Arts & Sciences  
Juneau  
B.A. Saint Anselm College  
M.A. Mercy College

### **Audrey Beam**

Testing and Learning Resources Manager  
Sitka  
B.A. Southern Oregon University  
M.A. Victoria University of Wellington, New Zealand

### **Cody Bennett**

User Services Manager  
Juneau

### **Nathaniel Bodensadt**

Director of Housing and Residence Life  
Juneau  
B.L.A. University of Alaska Southeast  
M.S. Colorado State University

### **Cindy L. Boesser**

Circulation Desk Supervisor  
Juneau

### **Kathy Bolling**

Academic Support/Library Specialist  
Ketchikan  
B.S. Western Washington University

## C

### **Ronalda Cadiente-Brown**

Associate Vice Chancellor for Alaska Native Programs  
Director of PITAAS  
Juneau  
B.A. Pacific University  
M.A. Stanford University

### **Sara Caldwell**

Biology Lab Technician  
Juneau  
B.S. Earlham College

### **Keni Lynn Campbell**

Executive Assistant to the Chancellor and Public Information Officer  
Juneau  
B.Ed. Alaska Pacific University

### **Karen T. Carey**

Chancellor  
Juneau  
B.S. San Diego State University  
M.S. University of Nevada Las Vegas  
Ph.D. University of Cincinnati

### **Denise Carl**

School of Arts & Sciences Academic Advisor  
Juneau  
B.S. University of Wisconsin-Stout  
M.Ed. Seattle University

### **Dannielle Carlson**

Admissions Counselor  
Juneau  
B.L.A. University of Alaska Southeast

**Linda Carroll**

Administrative Assistant of Career Education  
Juneau  
A.A.S. University of Alaska Southeast

**Jeri Cary**

Administrative Assistant, Egan Library  
Juneau  
B.L.A. University of Alaska Southeast

**Richard Caulfield**

Chancellor Emeritus, University of Alaska Southeast  
Juneau  
B.A., B.S. University of California Berkeley  
M.Ed. University of Alaska Fairbanks  
Ph.D. University of East Anglia

**Michael Ciri**

Vice Chancellor for Administration  
Juneau  
B.L.A., M.P.A. University of Alaska Southeast

**Davina Cole**

Northwest Coast Arts Program Coordinator  
Juneau

**Janelle M. Cook**

Financial Aid Director  
Juneau  
A.A., B.A. University of Alaska Fairbanks

**Kayti Coonjohn**

Administrative Assistant to the Dean, School of Education  
Juneau  
A.A., B.A. University of Alaska Southeast

**Louisa Cryan**

Senior HR Business Partner  
Juneau  
B.L.A., M.P.A. University of Alaska Southeast

**D**

**Kimberly Davis**

Academic Affairs  
Sitka  
A.A.S. University of Alaska Fairbanks  
A.A., B.L.A. University of Alaska Southeast

**Mae Delcastillo**

Administrative Manager  
Juneau  
A.A.S. University of Alaska Fairbanks

**Jessica Driscoll**

Academic Advisor  
Ketchikan

**E**

**Honalee Elkan**

Chemistry Lab Technician  
Juneau

**Eric Elsensohn**

IS Operator Technician  
Sitka

**F**

**Mike Funk**

Facilities Supervisor  
Ketchikan

**G**

**Greg George**

Operations Supervisor  
Sitka  
B.S. Oregon State University

**Angela Goffredi**

Weld/Power Tech/Marine Trades Assistant  
Ketchikan

**Leah N. Gregg**

Administrative Specialist Alaska Coastal Rainforest Center  
Juneau  
B.L.A. University of Alaska Southeast  
M.A. University of Glasgow

**Donovan Grimes**

Classroom Support Desk Coordinator  
Juneau  
A.A. University of Alaska Southeast

**Jennifer V. Gross**

Web Developer  
Juneau  
B.S. University of Mississippi

**Julia Guthrie**

Accounts Receivable Technician  
Ketchikan  
A.A.S. University of Alaska Southeast

**H**

**Maren Haavig**

Interim Provost  
Interim Vice-Provost for Research & Sponsored Programs  
Interim Dean of Graduate Studies  
Associate Professor of Accounting  
Juneau  
B.A. Western Washington University  
B.B.A., M.B.A. University of Alaska Southeast  
D.B.A. Walden University  
C.P.A. State of Alaska

**Lacey Hall**

Data Manager, School of Education  
Juneau  
B.S., M.P.A. Brigham Young University

**Kristen Handley**

Institutional Effectiveness Director  
Juneau  
B.A. California State University, Sacramento  
M.S. University of Wisconsin-Stout

**Jill Hanson**

Assistant Director Business Services and Special Projects  
Sitka  
A.A., B.L.A. University of Alaska Southeast

**Ivan Hazelton**

Infrastructure Supervisor  
Juneau  
B.A. University of Alaska Fairbanks

**Dashiell Hillgartner**

Coordinator, Academic Exchange and Study Abroad  
Juneau  
B.A. University of Oregon  
M.A. Middlebury Institute of International Studies at Monterey

**Kayla Hood**

Student Activities Administrative Assistant  
Juneau  
A.A., B.L.A. University of Alaska Southeast

**Chris Hoyt**

Business Manager  
Ketchikan  
B.L.A. University of Alaska Southeast  
M.P.A. University of Alaska Southeast

**Brenda Hurley**

Records & Registration Clerk  
Ketchikan

**I****John Ingman**

Instructional Designer  
Sitka  
B.S. University of Oregon  
M.S. Quinnipiac University

**Becky Iverson**

Counselor  
Juneau  
B.S.W., M.S.W. Iowa State  
Licensed Master of Social Work (National Examination)

**J****Kolene E. James**

Coordinator, Native and Rural Student Center (NRSC)  
Juneau  
A.A., B.L.A. University of Alaska Southeast

**Kelly Jensen**

Grant Proposal Coordinator  
Juneau  
B.A. Boise State University  
M.A. Graduate Theological Union

**Katy Jordan**

Social Media and Marketing Strategy Coordinator  
Juneau  
B.A. Gonzaga University  
M.P.A. University of Alaska Southeast

**K****Angela Kameronoff-Steeves**

Administrative Assistant for School of Arts & Sciences  
Juneau

**Beverley Keefe**

Administrative Operations Manager for School of Arts & Sciences  
Juneau

**Lori A. Klein**

Vice Chancellor of Enrollment Management & Student Affairs  
Juneau  
B.A. University of Wisconsin Stevens Point  
M.S. University of Wisconsin La Crosse

**Dave V. Klein**

Associate Director of Campus Recreation  
Juneau  
B.A. Humboldt State University

**Carrie L. Kline**

Lead Counselor  
Juneau  
B.A. Adrian College  
M.A. Marylhurst University

**Abby Kosmos**

Student Services Specialist/Accounts Payable  
Ketchikan

**Paul Kraft**

Sitka Campus Director  
Sitka  
B.S., M.S. Northern State University  
Ed. D. Montana State University-Bozeman

**Alison Krein**

Creative Manager  
Juneau  
A.A.S. Spokane Falls Community College

**Gary Kuharich**

Facilities Services  
Ketchikan

**L****Michelle Lampton**

Library Assistant  
Ketchikan

**Jonathon Lasinski**

Director of Business Services  
Juneau  
B.B.A. University of Illinois  
M.B.A. Rotterdam School of Management

**Trisha Lee**

University Registrar  
Juneau  
A.A., B.L.A. University of Alaska Southeast

**Nathan Leigh**

Director of Facilities  
Juneau  
B.S. Utah State University

**Eric Lingle**

Database Coordinator  
Juneau  
B.A. University of California, Santa Cruz

**John Long**

Information Systems Technician  
Ketchikan

## M

**Mary Lou Madden**

Interim Director of the School of Education  
Juneau  
B.A. St. Mary College  
M.Ed. University of Alaska Southeast  
M.A. Johns Hopkins University  
Ph.D. American University

**Karen L. Madsen**

Admissions Coordinator  
Juneau  
B.A. University of Alaska Southeast

**Ben Malander**

Math/Testing Specialist  
Juneau  
B.S. University of Alaska Southeast

**Jennifer A. Malecha**

Disability Services Specialist  
Juneau  
B.S.W.

**Mona Mametsuka**

Information Systems Manager  
Juneau  
B.B.A. University of Alaska Southeast  
M.S. University of Illinois Urbana-Campaign

**Kimberly Matsuura**

Academic Support & Testing Center Supervisor / CIS Adjunct  
Faculty  
Ketchikan  
A.A. Seattle Central Community College  
B.S. University of Alabama Birmingham

**Romee McAdams**

Senior HR Director  
Juneau  
B.A. Concordia College  
M.A. Fresno Pacific University

**Sean McCarthy**

Coordinator for Residence Life and First Year Experience  
Juneau  
B.F.A. State University of New York at Oswego

**Allison Mogensen**

Residence Life Coordinator  
Juneau  
B.A. University of Wisconsin - Eau Claire

## N

**Michelle Nakamura**

Academic Advisor  
Juneau  
B.A. University of Alaska Southeast

**Tessa Nelson**

Admissions/Registration/Bus Office Assistant  
Ketchikan

**Randy Nutting**

Records and Registration Manager  
Sitka  
B.A. Northwest Nazarene University

## O

**Colin T. Osterhout**

Web Coordinator  
Juneau  
B.S. Virginia Polytechnic Institute and State University  
M.Ed. University of Alaska Southeast

## P

**Ken Parks**

Facilities  
Ketchikan

**Anita Hazell Parrish**

Provost's Assistant, Academic & Faculty Services Coordinator  
Juneau  
B.S. Pennsylvania State University

**John Pugh**

Chancellor Emeritus, University of Alaska Southeast  
Juneau  
B.A. Baylor University  
M.S.S.W. University of Texas at Austin

## R

**Aimée M. Richards**

Academic Advisor  
Juneau  
B.S. University of Winnipeg  
M.Ed. Memorial University

**Jerry Ruaro**

Facilities  
Ketchikan

**David Russell-Jensen**

PITAAS Project Facilitator  
Juneau  
B.L.A. University of Alaska Southeast

**Deborah R. Rydman**

Career Services Advisor  
Juneau  
B.A. California State University

**Tina Ryman**

STEPS Program Coordinator & Transition Advisor  
Juneau  
B.L.A. University of Alaska Fairbanks

**S****Shauna Sage**

Administrative Manager, Campus Life & Housing  
Juneau  
B.B.A., M.P.A. University of Alaska Southeast

**Julia Sapelkina**

Testing Center Specialist  
Ketchikan

**Louie Scott**

Arts & Sciences Outreach Advisor  
Ketchikan  
B.S. University of Alaska Southeast

**Lucienne Shoemaker**

Purchasing  
Sitka

**Carin Silkaitis**

Dean of Arts and Sciences  
Juneau  
B.A. Indiana University  
M.F.A. The Theatre Conservatory, Roosevelt University

**Peter Sommers**

Associate Registrar  
Juneau  
B.L.A., M.P.A. University of Alaska Southeast

**Jasper Vic Soriano**

Alumni Relations Manager  
Juneau  
B.S. University of Alaska Southeast

**Auguste Stiehr**

Math Specialist, The Learning Center  
Juneau  
B.L.A. University of Alaska Southeast

**Cheryl Stromme**

Academic Advisor  
Sitka  
B.A. Western Washington University

**Shayla Sulser**

Academic Advisor  
Juneau  
A.A., B.L.A. University of Alaska Southeast

**Jennifer Sweitzer**

Financial Aid Advisor  
Juneau  
A.A. Prince William Sound Community College  
B.L.A. University of Alaska Southeast

**T****Shellie Tabb**

Marine Transportation Program Assistant  
Ketchikan

**Mark Thompson**

Infrastructure Manager  
Juneau  
B.S. Sheldon Jackson College  
M.A.T. University of Alaska Southeast

**Elise Tomlinson**

Library Dean  
Associate Professor of Library Science  
Juneau  
B.F.A. University of Alaska Anchorage  
M.L.I.S. University of Hawaii, Manoa

**Amanda Triplett**

Academic Advisor  
Juneau  
B.L.A. University of Alaska Southeast

**V****Jodi Van Kirk**

Bursar  
Juneau  
A.A.S. University of Alaska Southeast

**Julie Lyn Vigil**

Director of Budget, Grants & Contracts  
Juneau  
A.A., B.Ed. University of Alaska Southeast

**Suzi Vollmer**

Administrative Assistant for School of Arts & Sciences  
Juneau

**W****Ryan Wark**

Director of the Office of Equity and Compliance  
Juneau

**Heather West**

Graduation Coordinator  
Juneau  
B.S. Syracuse University

**Laurie Williams**

Assistant to the Campus Director  
Ketchikan

**Jackie Wilson**

Dean of Students

Juneau

B.A. Earlham College

M.A. Stanford University

## University of Alaska Board of Regents

### University of Alaska Board of Regents (<http://alaska.edu/bor/>)

*The Regents of the University of Alaska are appointed by the Governor and approved by the Legislature.*

#### University of Alaska Office of Regents' Affairs

Brandi Berg, Executive Officer  
University of Alaska  
202 Butrovich Building  
P.O. Box 755300  
Fairbanks, Alaska 99775-5300

Pat Pitney, Interim President, University of Alaska

Dale Anderson, Regent, Juneau  
John Bania, Regent, Wrangell  
Sheri Buretta, Regent, Anchorage  
John Davies, Regent, Fairbanks  
Darroll Hargraves, Regent, Wasilla  
Mary K. Hughes, Regent, Anchorage  
Lisa Parker, Regent, Soldotna  
Karen Perdue, Regent, Fairbanks  
Ralph Seekins, Regent, Fairbanks  
Kali Spencer, Student Regent, Juneau

## UAS Alumni and Friends Association

UAS Alumni & Friends Association (<http://uas.alaska.edu/alumni/>)

*UASAA is an open membership organization whose purpose is to serve as a vital connection between the alumni and the University. The UASAA communicates and advocates the goals and programs of UAS, and fosters a continuous sense of community by establishing relationships and networking among alumni.*

#### UAS Alumni Board of Directors

**Roberta Stell**, President, Retired UAS Provost

**Karen Polley**, Vice President, Retired UAS Ketchikan Campus Director

**Kristie Balovich**, Treasurer, Supervisory Management & Program Analyst, NOAA Fisheries

**Casey Bain**, UAS Mine Training Coordinator

**Nathan Block**, UAS graduate and current student in the Master of Public Administration Program

**Karen Carey**, UAS Chancellor

**Greg Lange**, Teacher, Edmonds School District, Washington

**Julie Leary**, Juneau Educator, Grant Coordinator for the 21st Century Learning Center Grants

**Sherry Taber**, Retired Librarian

## UAS Campus Advisory Councils

*The University of Alaska Board of Regents established campus councils for each of the University of Alaska Southeast campuses in Juneau, Ketchikan and Sitka, in recognition of the importance of citizen involvement in the planning and implementation of higher education programs and services for the state of Alaska and for the Southeast region. The advisory councils are charged with offering guidance to the Chancellor and the campus leadership, and serving as a link between UAS's public constituencies and the Board of Regents.*

#### Juneau Campus Advisory Council

Sander Schjivens (CHAIR), CEO, Wostmann & Associates  
Katie Bausler, Bartlett Regional Hospital  
Bruce Botelho, Former Juneau Mayor, Community Advisor  
David D'Amore, US Forest Service, Pacific NW Research Station  
Pamela Day, Human Resources Manager, Alaska Division of Personnel-Statewide Operations  
Nancy DeCherney, Executive Director, Juneau Arts & Humanities Council  
Capt. Stephen White, Commander, U.S. Coast Guard, 17th District, Juneau  
Rosemary Hagevig, AARP Alaska  
Brian Holst, Executive Director, Juneau Economic Development Council, Community Advisor  
Bill Legere, KTOO President and General Manager  
Bridget Weiss, Superintendent, Juneau School District  
Ted Wilson, Juneau School District  
Paul Kelly, Liaison, Juneau School Board  
Richard Peterson, President, Central Council Tlingit & Haida Indian Tribes of Alaska  
Mike Satre, Government & Community Relations Manager, Hecla/Greens Creek

Ex-Officio:

Karen Carey, UAS Chancellor  
Dale Anderson, University of Alaska Regent  
Robbie Stell, President, UAS Alumni Association  
President, UAS Student Government  
Andrea Dewees, President, UAS Faculty Senate

#### Ketchikan Campus Advisory Council

Shana Criscola, Peacehealth  
Chelsea Goucher, Foraged & Found  
Austin Otos, Borough Assembly  
Arthur Dehnz, U.S. Coast Guard  
Cameron Sivertsen, Ketchikan Indian Community  
Bergan Wieler, Vigor Industrial  
Felix Wong, Borough Assembly

Ex-Officio:

Karen Carey, UAS Chancellor  
Priscilla Schulte, Ketchikan Campus Director  
Ketchikan Gateway Borough Superintendent

#### Sitka Campus Advisory Council

Garry White (CHAIR), Sitka Economic Development Association

Lisa Busch, Sitka Sound Science Center, Executive Director

Bob Sam, Sitka Tribe of Alaska, Tribal Council Representative  
Tristan Guevin, Sitka Tribe of Alaska, Staff Representative

Brian McLaughlin, USCG Commander

John Leach, City of Sitka, Administrator

Bonnie Richards, Retired, Business  
Rachel Roy, Greater Sitka Chamber of Commerce, Executive Director  
Tim Ryan, North Pacific Seafoods

Roger Schmidt, Sitka Fine Arts Camp, Executive Director

Fran Schwuchow, Alaska Employment Services  
John Stein, Retired, Business

Suzanne Portello, Sitka Soup

Ex-Officio:

Karen Carey, UAS Chancellor

Paul Kraft, Sitka Campus Director

Frank Hauser, Sitka School District, Superintendent

Janelle Vanasse, Mt. Edgecumbe High School, Superintendent

## Campuses

### University of Alaska Southeast Campuses

The University of Alaska Southeast is one of three separately accredited universities that make up the University of Alaska statewide system. UAS is an integrated regionally-accredited institution with three campuses: Juneau, Ketchikan, and Sitka. Each contributes in important ways to the overall UAS mission. This includes a community college mission plus academic offerings at the baccalaureate and graduate levels. UAS serves all of Southeast Alaska but also offers a number of online academic programs serving the entire state of Alaska.

The three UAS campuses are located in the traditional homelands of the Tlingit, Haida, and Tsimshian peoples of Southeast Alaska. Their presence in this coastal temperate rainforest dates back more than 10,000 years.

## Juneau Campus

### History

The University of Alaska Southeast's Juneau campus is located in Alaska's beautiful capital city with the world famous Mendenhall Glacier in clear view of the main campus. The Juneau-Douglas Community College, founded in 1956, and the Southeastern Senior College, established in 1972, were merged in 1980 forming the University of Alaska Juneau. Since restructuring in 1987 as the University of Alaska Southeast to include the Ketchikan and Sitka campuses, the Juneau campus continues to be the center for baccalaureate and graduate education for the region.

### Location

Juneau is on the mainland of Southeast Alaska at the heart of the Inside Passage along the Gastineau Channel. It lies 900 air miles northwest of Seattle and 600 air miles southeast of Anchorage.

### Economy

Juneau has a population of about 33,000. The State, City & Borough of Juneau, and federal agencies provide nearly 45% of the employment in the community. As the state capital, Juneau is home to legislators and their staff during the legislative session between January and May. Tourism is a significant contributor to the private sector economy during the summer months.

### Climate

Juneau has a mild, maritime climate. Average summer temperatures range from 44 to 65; winter temperatures range from 25 to 35. It is in the mildest climate zone in Alaska. Annual precipitation is 92 inches in downtown Juneau, and 54 inches ten miles north at the airport, which is near the campus. Snowfall averages 101 inches.

## Ketchikan Campus

### History

The Ketchikan campus, the oldest campus in the region, was originally established as Ketchikan Community College in 1954. It is located in Alaska's First City, which regards itself as the salmon capital of the world. The campus awards both certificates and associate degrees. The campus is a leader in e-Learning statewide and offers a diverse range of e-Learning courses which meet requirements for the Bachelor of Liberal Arts and Bachelor of Arts, Social Sciences. The campus also boasts the only Maritime Training Center in the region offering courses that lead to the US Coast Guard certificates for QMED, Able Seaman, Jr. Engineer and others.

### Location

Ketchikan is located on the western coast of Revillagigedo Island, near the southernmost boundary of Alaska. It is 679 miles north of Seattle and 235 miles south of Juneau. The 2.2 million-acre Misty Fiords National Monument lies east of town. Ketchikan is the first Alaska port of call for northbound cruise ships and State ferries.

### Economy

Ketchikan, with a population of about 13,000, is an industrial center and a major port of entry in Southeast Alaska, with a diverse economy. Ketchikan is supported by tourism, a large fishing fleet, fish processing facilities, ship building and repair, and a wide range of maritime service industries.

### Climate

The area lies in the maritime climate zone noted for its warm winters, cool summers, and heavy precipitation. Summer temperatures range from 51 to 70; winter temperatures range from 29 to 39. Ketchikan averages 156 inches of annual precipitation including 32 inches of snow.

## Sitka Campus

### History

The Sitka campus (founded as Sitka Community College in 1962) shares in Sitka's heritage of being the former capital of Russian America. Sitka is rich in history and a popular tourist destination. Mount Edgecumbe, known as Alaska's Mount Fuji, dominates the horizon across the water from the city. The Sitka campus awards both certificates and associate degrees.

### Location

Sitka is located on the west coast of Baranof Island fronting the Pacific Ocean on Sitka Sound. It is 95 air miles southwest of Juneau, and 185 miles northwest of Ketchikan. An extinct volcano, Mount Edgecumbe rises 3,200 feet above the community.

### Economy

Sitka, with an estimated population of 8,500, is diversified with fishing, fish processing, tourism, government, transportation, retail, and health care services. Sitka is a port of call for many cruise ships each summer. Regional health care services provide approximately 675 jobs. The U.S. Forest Service and U.S. Coast Guard are significant federal employers.

### Climate

January temperatures average 28 to 40; summers vary from 48 to 62. Average annual precipitation is 87 inches.

All three University of Alaska Southeast campuses in Juneau, Sitka, and Ketchikan are easily accessed by daily jet flights or the state ferry system.

# STUDENT RIGHTS AND RESPONSIBILITIES

Board of Regents (BOR) Policy and Regulations, Part IX – Student Affairs:

[www.alaska.edu/bor/policy-regulations/](http://www.alaska.edu/bor/policy-regulations/) (<https://www.alaska.edu/bor/policy-regulations/>)

## Student Rights and Responsibilities

The university will maintain an academic environment in which the freedom to teach, conduct research, learn, and administer the university is protected. Students will enjoy maximum benefit from this environment by accepting responsibilities commensurate with their role in the academic community. The principles found herein are designed to facilitate communication, foster academic integrity, and defend freedoms of inquiry, discussion, and expression among members of the university community. (BOR Policy: P09.02.010)

### Students will have the right:

1. to pursue an education free from illegal discrimination and to be judged on the basis of relevant abilities, qualifications, and performance;
2. to fair and impartial academic evaluation and a means of recourse through orderly procedures to challenge action contrary to such standard;
3. to free inquiry and expression;
4. to access their own personnel and education records and to have the university maintain and protect the confidential status of such records, as required by appropriate legal authority;
5. through student representatives, to participate in formulating and evaluating institutional policies;
6. to organize and join associations to promote their common and lawful interests;
7. to be able to protest on university premises in a manner which does not obstruct or disrupt teaching, research, administration, or other activities authorized by the university;
8. to an academic environment conducive to intellectual freedom;
9. to a fair and orderly disciplinary process; and
10. to have access to accurate information regarding tuition, fees and charges, course availability, general requirements for establishing and maintaining acceptable academic standing, and graduation requirements.

Students will be expected to balance these rights with the responsibility to respect the learning environment for others and for themselves and to make their best effort to meet academic challenges undertaken. Students will be responsible for compliance with the University of Alaska Student Code of Conduct.

Information regarding student rights and responsibilities will be set forth in student handbooks and made available in libraries,

student affairs offices, and/or electronically. Students will be expected to make a good faith effort to become knowledgeable about their rights and responsibilities as students. (BOR Policy: P09.02.010)

## Drug Free Schools

All drug information ([http://www.uas.alaska.edu/policies/docs/shared\\_drugfree-schools.pdf](http://www.uas.alaska.edu/policies/docs/shared_drugfree-schools.pdf))

## Drug Free Schools and Communities Act

The Drug Free Schools and Communities Act amendments of 1989 require that as a condition of receiving funds, or any other form of financial assistance under any federal program, the University of Alaska Southeast must certify that it has adopted and implemented a program to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees.

The University of Alaska Southeast presents the following for your information.

## Health Risks Associated With Substance Abuse

Quoted from page 62 of **“What Works: Schools Without Drugs”** published by the US Department of Education.

### Alcohol

Alcohol consumption causes a number of marked changes in behavior. Even low doses can significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increase the incidence of a variety of aggressive acts, including spouse and child abuse.

Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely affecting a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described.

Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life threatening. Long term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver.

Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and mental retardation. In addition, research indicates that children of alcoholic parents are at a greater risk than others of becoming alcoholics.

### Substances

Charts are included in the Drug-Free Schools ([http://www.uas.alaska.edu/policies/docs/shared\\_drugfree-schools.pdf](http://www.uas.alaska.edu/policies/docs/shared_drugfree-schools.pdf)) information link.

## Drug & Alcohol Counseling and Treatment Students

UAS offers numerous health education seminars, workshops, and events, and students are encouraged to participate.

Additionally, personal counseling is available to all UAS students, although only the health and counseling center is located on the Juneau campus. Counseling to students who reside outside of Juneau can be offered via distance.

An optional student health insurance program contains benefits for some inpatient and outpatient substance abuse treatment. Call toll-free (877) 465-4827 for more information.

### Employees

Employees experiencing substance abuse-related issues are strongly encouraged to seek counseling services. The University of Alaska's employee health insurance program contains benefits for some in-patient and out-patient treatment. Employees should contact their local Human Resource Services Office for details. In addition, UA contracts Deer Oaks to provide an Employee Assistance Program. The program can be accessed by contacting Human Resources at (907) 796-6263 or Deer Oaks directly at 1-888-993-7650. The Deer Oaks Employee Assistance Program is also available online at [www.deeroakseap.com](http://www.deeroakseap.com) (<https://www.deeroakseap.com/>) with the username 'UofA' and password 'UofA'.

## Student and Employee Codes of Conduct Students

The UAS Student Code of Conduct (the Code) is found in the University catalog and in the UAS Student Guide online. Applicable sections include:

Violations of the Code, which occur on property owned or controlled by the University, or at activities authorized by the University, are subject to University conduct review and disciplinary action by the University.

Disciplinary action may be initiated by the University and sanctions imposed against any student or student organization found responsible of committing, attempting to commit, or intentionally assisting in the commission of the following category of conduct prohibited by the Code.

### Misuse of Alcohol or Other Intoxicants or Drugs

- a. use, possession, manufacture, distribution, or being under the influence of alcoholic beverages on property owned or controlled by the University or at activities authorized by the University, except as expressly permitted by law, Regents' Policy, University Regulation, or UAS rules and procedures; or
- b. use, possession, manufacture, distribution, or being under the influence of any narcotics, controlled substance, or intoxicant on property owned or controlled by the University or at activities authorized by the University, except as expressly permitted by law, Regents' Policy, University Regulation, or UAS rules and procedures.

### Employees

The sale, purchase, transfer, use or possession of illegal drugs by employees on University premises or while on University

business is prohibited. Further, the use of any legally obtained drug, including alcohol, to the point where such use adversely affects the employee's job performance, is prohibited. An employee must notify the University within five days of any conviction for criminal drug statute violations occurring on-or-off University premises while conducting University business. University Board of Regents' Policy and Regulations, P04.02.040 and P04.02.050, and R04.02.040 and R04.02.050, provide for a University Drug-Free Workplace; and Employee Alcohol and Controlled Substance Testing for certain, defined safety-sensitive employees.

## Disciplinary Procedures and Sanctions Students

Students found responsible for the misuse of alcohol or other intoxicants or drugs will have disciplinary sanctions imposed. In determining appropriate sanctions, a student's present and past disciplinary record, the nature of the offense, the severity of any damage, injury, or harm resulting from the prohibited behavior, and other factors relevant to the matter will be considered. The following list of sanctions is an illustrative rather than exhaustive list of disciplinary measures that may be taken by the Residence Life staff, the Student Conduct Officer, and the Chancellor. The University reserves the right to create other reasonable sanctions or combine sanctions as it deems appropriate.

### Sanctions

1. Warning - A written notice that the student is violating or has violated the Code, and that further misconduct may result in more severe disciplinary action.
2. Probation - A written warning which includes the probability of more severe disciplinary sanctions if the student is found to be violating the Code during a specified probationary period.
3. Denial of Benefits - Specific benefits may be denied a student for a designated period of time.
4. Restitution - A student may be required to reimburse the University or other victims related to the misconduct for damage to or misappropriation of property, or for reasonable expenses incurred.
5. Discretionary Sanction - Discretionary sanctions include community service work or other uncompensated labor, educational classes, counseling, or other sanctions that may be seen as appropriate to the circumstances of a given matter. Costs incurred by the student in fulfilling a discretionary sanction will be the responsibility of the student.
6. Restricted Access - A student may be restricted from entering certain designated areas and/or facilities or from using specific equipment for a specified period of time.
7. Suspension - The separation of the student from the University for a specified period of time, after which the student may be eligible to return. Conditions under which the suspension may be removed and for re-enrollment will be included in the notification of suspension. During the period of suspension, the student may be prohibited from participation in any activity authorized by the University and may be barred from all property owned or controlled by the University, except as stated on the notification.
8. Expulsion - Expulsion is considered to be the permanent separation of the student from the University. The student may be prohibited from participation in any activity

authorized by the University and may be barred from property owned or controlled by the University except as stated on the notice of expulsion.

9. Revocation of a Degree - Any degree previously conferred by the University may be revoked if the student is found to have committed academic misconduct in pursuit of that degree.
10. Group Sanctions - Student groups or organizations found to have violated provisions of the Code may be put on probation or sanctioned, which may include loss of University-related benefits and access to University facilities and University-held funds.

## Employees

Violation of standards of conduct will result in disciplinary action. Sanctions may include, but are not limited to, the following actions:

1. Suspension of work with or without pay during an investigation
2. A period of provisional employment (which may result in termination)
3. Referral for prosecution
4. Referral for treatment/rehabilitation

## Drug-Free Schools Campus and Community Resources for Counseling and Treatment Juneau

### Campus Resources

UAS Counseling Services	796-6000
UAS Health Clinic	796-6000

### Community Resources

Adult Children of Alcoholics & Addiction	789-0965
Alcoholics Anonymous	586-1161
Juneau Recovery Hospital 24 crisis line	586-5321
Gastineau Human Services	780-4338
Narcotics Anonymous (NA)	790-4567
NA Toll-Free	855-258-6329
National Council on Alcoholism & Drug Dependence (NCADD)	463-4410
National Intervention Network (NIH)	586-4859
NIH Toll-Free	800-654-4673
Rainforest Recovery Center at Bartlett	796-8690
SEARHC Behavioral Health Services	364-4445

## Sitka

### Campus Resources

Student Success Center	747-7700
Toll-Free	800-478-6653

### Community Resources

Alcoholics Anonymous	747-8866
Bill Brady Healing Center	966-8641
Ravens Way	796-8714
SEARHC Behavioral Health Prevention	966-8753
Sitka Counseling & Prevention Services	747-8994
Tobacco Quit Program	966-8721

## Ketchikan

### Campus Resources

Student Center	228-4508
----------------	----------

### Community Resources

Alcoholics Anonymous	225-5154
Alonon Meetings	821-0740
Gateway Center for Human Services	225-4135
Ketchikan Alcohol Recovery	225-3510
Ketchikan Indian Corp. Behavior Health	228-9203
Narcotics Anonymous at Peace Health Ketchikan Medical Center	225-5171

## Notice of Nondiscrimination

BOR Policy & Regulation 01.02.020 (<http://alaska.edu/bor/policy-regulations/>)

The University of Alaska does not discriminate on the basis of race, religion, color, national origin, citizenship, age, sex, physical or mental disability, status as a protected veteran, marital status, changes in marital status, pregnancy, childbirth or related medical conditions, parenthood, sexual orientation, gender identity, political affiliation or belief, genetic information, or other legally protected status.

When implementing this commitment, the University is guided by Title VI and VII of the Civil Rights Act of 1964 and Civil Rights Act of 1991; Title IX of the Education Amendments of 1972; Executive Order 11246, and Executive Order 11375, as amended; Equal Pay Act of 1963; Age Discrimination in Employment Act of 1967 and Age Discrimination Act of 1975; Vietnam Era Veterans Readjustment Assistance Act of 1974; Americans with Disabilities Act (ADA) of 1990; the Americans with Disabilities Act Amendments Act of 2008; Genetic Information Nondiscrimination Act of 2008; Pregnancy Discrimination Act; Immigration Reform & Control Act; Vocational Rehabilitation Act of 1973 and other federal laws or Alaska Statutes which guarantee equal opportunity to individuals and protected classes within our society.

The University's commitment to nondiscrimination, including against sex discrimination, applies to students, employees, and applicants for admission and employment.

This policy therefore affects employment policies and actions, as well as the delivery of educational services at all levels and facilities of the University. Further, the University's objective of ensuring equal opportunity will be met by taking

affirmative action: i.e., making intensified, goal-oriented efforts to substantially increase the participation of groups where their representation is less than proportionate to their availability; providing reasonable accommodations to employees and students with disabilities; and ensuring that employment opportunities are widely disseminated to agencies and organizations that serve underrepresented protected classes.

The following person has been designated to handle inquiries regarding the nondiscrimination policies:

**University of Alaska Anchorage**

Director, Office of Equity and Compliance  
3890 University Lake Drive, Suite 102  
Anchorage, AK 99508  
Phone: 907-786-0818  
E-mail: [uaa\\_titleix@alaska.edu](mailto:uaa_titleix@alaska.edu)  
Website: <https://www.uaa.alaska.edu/about/equity-and-compliance/>

**University of Alaska Fairbanks**

Director, ADA/504 Coordinator, Department of Equity and Compliance  
355 Duckering Building, 1760 Tanana Loop  
PO Box 756910  
Fairbanks, AK 99775-6910  
Phone: 907-474-7300  
E-mail: [uaf-deo@alaska.edu](mailto:uaf-deo@alaska.edu)  
Website: <https://www.uaf.edu/equity> (<https://www.uaf.edu/equity/>)

**University of Alaska Southeast**

UAS Title IX Coordinator  
11066 Auke Lake Way,  
Juneau, AK 99801  
Phone: 907-796-6371  
E-Mail: [uas.titleix@alaska.edu](mailto:uas.titleix@alaska.edu)  
<https://uas.alaska.edu/titleix> (<https://uas.alaska.edu/titleix/>)

For sex discrimination claims or other inquiries concerning the application of Title IX of the Education Amendments of 1972 and its implementing regulations, individuals may contact the University's Title IX Coordinator or the Assistant Secretary in the U.S. Department of Education Office of Civil Rights, or both:

**UAA Title IX Coordinator**

3890 University Lake Drive, Suite 102  
Anchorage, AK 99508  
Phone: 907-786-0818  
E-Mail: [uaa\\_titleix@alaska.edu](mailto:uaa_titleix@alaska.edu)  
Website: [www.uaa.alaska.edu/about/equity-and-compliance/](http://www.uaa.alaska.edu/about/equity-and-compliance/)  
(<http://www.uaa.alaska.edu/about/equity-and-compliance/>)

**UAF Title IX Coordinator**

355 Duckering Building, 1760 Tanana Loop  
Fairbanks, AK 99775-6910  
Phone: 907-474-7300  
E-Mail: [uaf-tix@alaska.edu](mailto:uaf-tix@alaska.edu)  
<http://www.uaf.edu/equity> (<http://www.uaf.edu/equity/>)

**UAS Title IX Coordinator**

11066 Auke Lake Way  
Juneau, AK 99801

Phone: 907-796-6371

E-Mail: [uas.titleix@alaska.edu](mailto:uas.titleix@alaska.edu)

<http://www.uas.alaska.edu/titleix> (<http://www.uas.alaska.edu/titleix/>)

**Office for Civil Rights, Seattle Office**

U.S. Department of Education  
915 Second Ave., Room 3310  
Seattle, WA 98174-1099  
Phone: 206-607-1600  
TDD: 800-877-8339  
E-mail: [OCR.Seattle@ed.gov](mailto:OCR.Seattle@ed.gov)  
Website: <https://www2.ed.gov/about/offices/list/ocr/docs/howto.html>

For employment or educational discrimination, students, parents, employees and applicants for employment may file a complaint with the U.S. Department of Education within 180 calendar days of the alleged discriminatory act.

**Office for Civil Rights, Seattle Office**

U.S. Department of Education  
915 Second Ave., Room 3310  
Seattle, WA 98174-1099  
Phone: 206-607-1600  
TDD: 800-877-8339  
E-mail: [OCR.Seattle@ed.gov](mailto:OCR.Seattle@ed.gov)  
Website: <http://www2.ed.gov/about/offices/list/ocr/docs/howto.html>

For employment discrimination, employees and applicants for employment may file a complaint with the Equal Employment Opportunity Commission at the below addresses within 180 calendar days of the alleged discriminatory act.

**Equal Employment Opportunity Commission**

Federal Office Building  
909 First Avenue  
Suite 400  
Seattle, WA 98104-1061  
Phone: 800-669-4000  
Fax: 206-220-6911  
TTY: 800-669-6820  
Website: <http://www.eeoc.gov/employees/charge.cfm>

For educational discrimination, individuals may file a complaint with the U. S. Department of Justice

**U.S. Department of Justice Civil Rights Division**

950 Pennsylvania Avenue, N.W.  
Educational Opportunities Section, PHB  
Washington, D.C. 20530  
Phone: 202-514-4092 or 1-877-292-3804 (toll-free)  
Fax: 202-514-8337  
E-mail: [education@usdoj.gov](mailto:education@usdoj.gov)  
Website: <http://www.justice.gov/crt/how-file-complaint#three>  
(<http://www.justice.gov/crt/how-file-complaint/#three>)

For employment or educational discrimination, individuals may file a complaint with the State of Alaska:

**Alaska State Human Rights Commission**

800 A Street, Suite 204  
Anchorage, AK 99501-3669

Anchorage Area: 907-274-4692  
 Anchorage Area TTY/TDD: 907-276-3177  
 Toll-Free Complaint Hot Line (in-state only): 800-478-4692  
 TTY/TDD Toll-Free Complaint Hot Line (in-state only):  
 800-478-3177  
 Website: <https://humanrights.alaska.gov/>

For discrimination related to a Department of Labor funded grant, individuals may file a complaint with the U. S. Department of Labor within 180 calendar days of the alleged discriminatory act.

#### **U.S. Department of Labor**

ATTENTION: Office of External Enforcement  
 Director, Civil Rights Center  
 200 Constitution Avenue, NW  
 Room N-4123  
 Washington, DC 20210  
 Fax: 202-693-6505, ATTENTION: Office of External Enforcement  
 (limit of 15 pages)  
 E-mail: [CRCEXternalComplaints@dol.gov](mailto:CRCEXternalComplaints@dol.gov)  
 Website: <https://www.dol.gov/agencies/oasam/centers-offices/civil-rights-center/external> (<https://www.dol.gov/agencies/oasam/centers-offices/civil-rights-center/external/>)

For discrimination related to a National Science Foundation funded grant, individuals may file a complaint with the National Science Foundation within 90 calendar days of the alleged discriminatory act on the basis of race, sex (including sexual harassment), color, national origin and disability. Age discrimination complaints may be filed within 180 calendar days of the alleged discriminatory act.

#### **National Science Foundation**

NSF Awardee Compliance Manager  
 Office of Diversity & Inclusion (ODI)  
 2415 Eisenhower Avenue (<https://maps.google.com/?q=2415+Eisenhower+Avenue+%0D%0A+Alexandria,+VA+22314&entry=gmail&source=g>)  
 Alexandria, VA 22314 (<https://maps.google.com/?q=2415+Eisenhower+Avenue+%0D%0A+Alexandria,+VA+22314&entry=gmail&source=g>)  
 Phone: 703-292-8020  
 E-mail: [ProgramComplaints@nsf.gov](mailto:ProgramComplaints@nsf.gov)  
 Website: <https://www.nsf.gov/od/odi/>

UA's grievance procedures and grievance process under Title IX, including how to report or file a formal complaint of sex discrimination, how to report or file a formal complaint of sexual harassment, and how UA will respond are located in UA Board of Regents' Policy and Regulation Chapter 01.04. (<https://alaska.edu/bor/policy/01.04-Sex%20and%20Gender-Based%20Discrimination%20Under%20Title%20IX.pdf>) This chapter defines prohibited behavior and details the administrative grievance procedures and grievance process for inquiries, investigations, hearings, and appeals which apply when prohibited behavior is alleged to have occurred.

## **Resolution of Disputes**

### **Resolution of Disputes Regarding Student Employment Decisions or Actions**

Issues related to student employment will be reviewed in accordance with the grievance procedure specified in Regents' Policy and University Regulation on human resources, except if specifically modified by Regents' Policy and University Regulation on employment of students.

### **Resolution of Disputes Regarding Academic Decisions or Actions**

The University of Alaska Southeast (UAS), consistent with Board of Regents Policy (P.09.03.024) and corresponding regulation and with standards of the Northwest Commission on Colleges and Universities, recognizes academic disputes to include, but not limited to:

- assignment of final course grades
- denial of admission to an academic program and
- academic dismissal.

These policies, regulations and standards exist to apply consistently to all UAS students, regardless of their location or campus. Grades assigned prior to the final grade received in a course (e.g., assignment/exam grades) are not subject to review under this section.

#### **1. Definitions Applicable to Academic Disputes**

- a. Academic Decision Review Committee: An Academic Decision Review Committee is an ad hoc committee composed of faculty, a non-voting student representative, and a non-voting hearing facilitator, appointed by the academic leader to formally review an academic dispute.
- b. Academic Leader: The term "academic leader" is used to denote the head of the academic unit offering the course or program from which the academic decision or action arose. At UAS, the primary academic leader is the Dean (or designee) of the academic unit. Campus and library directors are also recognized as academic leaders. The Provost provides overall regional academic leadership for UAS and is responsible for ensuring that these processes and procedures are applied consistently across UAS schools and campuses.
- c. Academic Unit: The term "academic unit" generally refers to a department or other group with responsibility for academic decisions within in a school, college, institute or center. The term may refer to a school, college, institute or center in instances when a smaller unit is either of insufficient size or a given purpose or nonexistent. At UAS, the academic unit is the academic school: School of Arts and Sciences, Alaska College of Education, Department of Business and Public Administration, School of Career Education. The Egan Library is also recognized as an academic unit.
- d. Arbitrary and Capricious Grading: Arbitrary and capricious grading means the assignment of a final course grade on a basis other than performance of the course; the use of standards different from those applied to other students

- in the same course; or the substantial, unreasonable and/or unannounced departure from the course instructor's previously articulated standards or criteria.
- e. Day: Timeframes noted in these regulations refer to days that the University is officially open for business – Monday through Friday. This excludes weekends, University closures and official holidays.
  - f. Dean/Director: At UAS, the Dean is the head of the school offering the course or program from which the academic decision or action arises. The Dean (or designee) will respond to all disputes regarding an academic decision or action related to Juneau-based courses and programs. If the student involved is affiliated with the Sitka or Ketchikan campus the Dean and Campus Director will consult and develop a coordinated response to the dispute, in consultation with the Provost as necessary. If the academic dispute arises through courses taught by Egan Library faculty, the Library Director will respond to the dispute.
  - g. Final Grade: The final grade is the course grade as determined by the faculty member.
  - h. Grading Error: A grading error is a mathematical miscalculation of a final grade or an inaccurate or incomplete recording of the final grade.
  - i. Next regular semester: The next regular semester is the fall or spring semester following that in which the disputed academic decision was made. At UAS, fall semester disputes must be resolved in the following spring semester (follow timelines as noted in procedures), and a spring semester dispute must be resolved by no later than the following fall semester (follow timelines as noted in procedures).
  - j. Non-voting hearing facilitator: A trained faculty or staff member who guides the hearing process.
2. UAS Procedures for Establishing an Academic Decision Review Committee
    - a. The Dean or designee (for Juneau programs and courses), or Dean and Campus Director together for Ketchikan and Sitka campus programs and courses (as applicable, see section 1.f.), having established that informal procedures have been followed and upon receipt of a written request for a formal review, will convene an Academic Decision Review Committee.
    - b. This ad hoc committee will include no more than five members: three voting faculty members, a non-voting student representative and a non-voting hearing facilitator. The Dean and/or Campus Director (in consultation with each other as applicable) may make committee selections relevant to the nature of the appeal:
      - i. Considerations for faculty representation may include but are not limited to: location of faculty, program chairs/coordinators, faculty with expertise related to the appeal, faculty from outside the school, potential conflicts of interest, etc.
      - ii. Considerations for student representation may include but are not limited to: location of the student, academic standing, students in or outside of the program, students in leadership roles (in consultation with campus student government).
    - iii. The non-voting hearing facilitator maybe selected from any trained faculty or staff member.
    - c. The Provost's Office shall serve as the main point-of-contact for consultation on development of any Academic Decision Review Committee.
  3. Procedures for Resolving Disputes Regarding Final Grade Assignments
 

Students may challenge a final grade assignment on the basis of alleged grading error or arbitrary or capricious grading. Students are expected to first request an informal resolution of the final grade assignment in writing with the instructor.

    - a. Informal Procedures and Timelines
      - i. Written request for informal resolution must be submitted to the course instructor by the 15th day of the next regular semester. The instructor must respond in writing to the request within five days of receipt.
      - ii. If the instructor's decision is to change the final grade, he or she must promptly initiate the grade change process in accordance with UAS rules and procedures. If the instructor does not change the grade and the student's concerns remain unresolved, the student may proceed with Formal Procedures as outlined below.
      - iii. If the course instructor is no longer an employee of the University or is otherwise unavailable, the student should submit their written request for informal resolution to the Department Chair or Program Head. All timeframes remain as outlined above.
    - b. Formal Procedures and Timelines
      - i. A student formally requesting review of a final grade assignment must provide the Dean (or designee), or Campus Director (where applicable), a signed, written request for a formal review. This written request must include, but is not limited to: a) the basis for requesting a change of grade and b) a summary of the student's efforts under informal procedures. The request must be filed by the 20th day of the next regular semester or within five days of response from the instructor under the informal procedure.
      - ii. The Dean (or designee) or Campus Director (as applicable, see section 1.f.) will convene an Academic Decision Review Committee as outlined in Section 2 of this document. This Committee must initiate proceedings within 10 (ten) days of receipt of the student's request. The Committee will first consider whether the request submitted by the student warrants a formal hearing.
        - a. If on initial review, the Academic Decision Review Committee determines that the facts as presented would not constitute arbitrary or capricious grading or a grading error (as defined in Section 1 of this document), the Academic Decision Review Committee will dismiss the case without a formal hearing. The decision will be made by simple majority. This decision will constitute the final decision of the University. The Committee's decision will be provided in writing to the student, the course instructor, the Dean of the academic unit offering the course, and the Campus Director

should the dispute resolution involve a student or faculty member from their respective campuses. The Committee will also file a copy with the Provost's Office in keeping with accreditation standards.

- b. If the Academic Decision Review Committee determines that the information as presented in the student's appeal might constitute arbitrary or capricious grading or a grading error, the Committee will proceed to a formal hearing (outlined in Section 6 of this document).

#### 4. Review of Procedures for Disputes Regarding Denial of Admissions

Students have the right to challenge denial of admissions to their desired degree program using the following procedure:

- a. Students must request a resolution of the denial of admissions, in writing, to the Director of Admissions (undergraduate admissions) or the Graduate Program Coordinator (graduate admissions). The process must be initiated 15 days after receiving denial of admissions. The Director of Admissions/Graduate Program Coordinator must respond in writing within five days of receipt.
- b. If the Director of Admissions/Graduate Program Coordinator decides to reverse the decision, the student will be promptly admitted to the degree program in accordance with UAS Admissions policies. If the Director of Admissions/Graduate Program Coordinator does not approve the request, that is the final decision of UAS and may not be appealed.
- c. If the Director of Admissions or the Graduate Program Coordinator is no longer an employee of the University or is otherwise unavailable, the student should submit their written request to the appropriate identified designee. All timeframes remain as outlined above.

#### 5. Review of Procedures for Disputes Regarding Dismissal from a Degree Program

- a. A student formally requesting review of the dismissal from a degree program must provide the Dean (or designee) of the academic unit and the Campus Director (where applicable) offering the program a signed, written request for a formal review. Undergraduate dismissal appeals should be submitted to the Dean of the academic unit offering the program and, at the Ketchikan or Sitka Campuses, to the Campus Director. Graduate program admission appeals should go through the Dean of Graduate Studies. This written request must include, but is not limited to: a) the basis for requesting review, b) a summary of the student's efforts to resolve the dismissal informally, c) a list of any Board of Regents' Policy, University regulation allegedly violated, and d) a description of any evidence the student relies on. The request must be filed within ten days of receipt of notice of dismissal.
- b. As outlined in Section 2 of this document, the Dean or designee (and Dean and Campus Director for Ketchikan and Sitka students) will convene an Academic Decision Review Committee. This committee must initiate proceedings within 10 (ten) days of receipt of the student's request. The committee will first consider

whether the request submitted by the student warrants a formal hearing. The request must be made directly by the affected person (student) and not by other parties on their behalf.

- ii. The mandatory first item of business at this meeting is for that the committee to rule on the validity of the student's request. Grounds for dismissal of the request for review may include:
  - a. The student has not provided sufficient reason in support of the allegation that the academic decision was arbitrary and capricious.
  - b. The appeal does not contain the list of required items.
  - c. The request was not made within the policy deadlines.
  - d. This is not the first appeal of this issue.
- iii. In the event that the Committee votes to dismiss the request, a written notice of dismissal must be forwarded to the student, department/program chair, the Dean of the academic unit offering the program or Campus Director (where applicable), to include the Graduate Dean for graduate programs and the Provost within five days of the decision, and will state clearly the reasoning for the dismissal of the request. This decision constitutes the final decision of the University.
- iv. Acceptance for consideration of the student's request will result in a formal hearing according to procedures outlined in Section 6 of this document.

#### 6. Formal Hearing Procedures

- a. The resolution of disputes regarding academic decisions or actions is not a legal process, and a formal hearing procedure is not held to standards applied to legal proceedings. Formal rules of evidence will not apply.
- b. Dates and times for the hearing will ordinarily be scheduled between five and ten days after the Academic Decision Review Committee determines that a hearing is warranted. The non-voting hearing facilitator will arrange the hearing with all parties, unless otherwise directed by the Dean or designee or Campus Director. All parties will be notified in writing.
- c. The meeting will be closed to outside participation, and either the student or the instructor/department chair/program coordinator may be accompanied by an advocate or representative. Other matters of format will be announced in advance.
- d. Should the student or instructor fail to appear for the hearing, the non-voting hearing facilitator may determine to proceed with the hearing without all parties present.
- e. Hearings may be conducted by audio-conference or at an off-campus location. All hearings will be recorded. Upon conclusion of the formal hearing process, the non-voting hearing facilitator will provide the Provost's office with the recording. The recording, along with the final decision, will be maintained in the Provost's office in keeping with accreditation standards. The hearing recording is a FERPA document.
- f. The student and the instructor will have the opportunity to present information regarding the assignment of the final grade or the recommendation for program dismissal. This information can include relevant documentation,

explanations, etc. Submission of information will be at the discretion of the non-voting hearing facilitator.

- g. The student and the instructor are to have no contact with the Academic Decision Review Committee, with the exception of the non-voting hearing facilitator, regarding the matter of the dispute.
- h. The Academic Decision Review Committee will discuss information presented by all parties in closed deliberations. Decisions will be made by a simple majority vote. Final determination will be made within five days of the conclusion of the hearing, unless granted an extension by the Dean (or designee).
- i. The decision of the Academic Decision Review Committee constitutes the final decision of the University, and will be provided in writing to the student, the course instructor, and the Dean and Campus Director (as applicable). The non-voting hearing facilitator will be responsible for the preparation of a record of the hearing. A copy of the decision, along with the recording of the hearing, will be filed with the Provost's Office in keeping with accreditation standards.

## Resolution of Disputes Regarding University Judicial Decisions or Disciplinary Sanctions

Disputes regarding University judicial decisions or resulting disciplinary sanctions will be reviewed according to procedures set forth in University Regulation on student rights and responsibilities. (R09.03.025)

## Eligibility for Services Pending Final Decision in the Review Process

During the review of an action or decision by the University, the action or decision being contested will remain in effect until the dispute is resolved. Should an academic action or decision affect the student's eligibility for financial aid, housing, or other University services, the student will be informed of the steps to be taken that may maintain or reinstate the affected service. The student will be responsible for initiating any necessary actions or procedures. (R09.03.029)

## Sexual and Gender-Based Discrimination/Title IX

Title IX is a federal civil right that prohibits sex and gender-based discrimination in education. All members of the University of Alaska Southeast community and visitors have the right to be free from all forms of gender and sex-based discrimination, including sexual assault, sexual harassment, domestic violence, dating violence, and stalking.

### Sexual and Gender Based Discrimination Policy

The Board of Regents of the University of Alaska System affirms its commitment to a safe and healthy educational and work environment in which education programs and activities are free of discrimination on the basis of sex. The board further affirms its commitment to respond appropriately to sexual harassment and sexual violence, in accordance with

applicable law as amended from time to time, including Title IX of the Education Amendments of 1972, the Violence Against Women Reauthorization Act, Title VII of the Civil Rights Act of 1964 (which prohibits discrimination on the basis of sex in employment), Alaska Statute 18.80, and due process of law.

1. Chancellors will have primary responsibility for a campus educational and workplace climate free from discrimination and intimidation based on sex, and for appropriate and timely response to sexual harassment and sexual violence at their respective universities, including extended sites;
2. Chancellors will provide updates to the board regarding compliance with this sex discrimination and sexual misconduct policy at least bi-annually in December and June and more often as required by circumstances; and
3. The president will ensure system oversight and coordination among the universities in implementing this policy.

The full policy and regulation (Chapter 01.04) can be found:

University of Alaska Board of Regents website: <https://alaska.edu/bor/policy-regulations/>

UAS Title IX website: [http://\(http://www.uas.alaska.edu/policies/titleix.html\)www.uas.alaska.edu/titleix](http://(http://www.uas.alaska.edu/policies/titleix.html)www.uas.alaska.edu/titleix) (<http://www.uas.alaska.edu/titleix/>)

### Title IX Reporting and Resources

Students, employees, and guests to the university experiencing sex or gender-based discrimination are encouraged to consult with a confidential resource and/or report the incident immediately. Confidential resources are people or services not required to report disclosures of gender discrimination or sexual misconduct to other campus or community authorities. At UAS, confidential resources include campus and community counseling services, and advocate services. Confidential resources can provide a wide range of options available to victims. To access a list of confidential resources, please visit: [uas.alaska.edu/titleix](http://uas.alaska.edu/titleix) (<http://www.uas.alaska.edu/titleix/>) or [www.alaska.edu/titleIXcompliance/disclosure-options/](http://www.alaska.edu/titleIXcompliance/disclosure-options/)

The Director of Equity and Compliance and Deputy Title IX Coordinator are trained to assist in responding to reports of gender-based or sexual misconduct. When a report is received, UAS will take steps to assist the reporting party in making sure that the behavior is stopped, to prevent its recurrence and to provide remedies. For more information about how to make a report, visit [uas.alaska.edu/titleix](http://uas.alaska.edu/titleix) (<http://www.uas.alaska.edu/titleix/>).

Though anonymous reports are permitted, doing so may limit the university's ability to investigate and respond to a complaint. Anonymous reports can be made at [www.alaska.ethicspoint.com](http://www.alaska.ethicspoint.com) (<http://www.alaska.ethicspoint.com>) or through the [uas.alaska.edu/titleix](http://uas.alaska.edu/titleix) (<http://www.uas.alaska.edu/titleix/>) website.

### To submit a report, contact:

Director of Equity and Compliance  
11066 Auke Lake Way  
Hendrickson Building, Suite 202  
Juneau, AK 99801  
Phone: 907-796-6371

Email: [uas.title9@alaska.edu](mailto:uas.title9@alaska.edu)

## Employee Responsibilities Under Title IX

In order for UAS to respond effectively and to proactively stop instances of gender-based and sexual misconduct, all employees must report information they have about alleged or possible sexual misconduct to a Title IX staff member. UAS counselors and health care providers are considered confidential resources and are not required to inform Title IX staff when they receive a report.

## Title IX Prevention and Awareness Efforts

The UAS Office of Equity and Compliance (Title IX office), in conjunction with campus and community partners, will provide a wide range of programming each year to raise awareness of and prevent incidences of sexual harassment and sexual violence, and increase student and employee safety. UAS offers bystander intervention as a primary prevention program through Green Dot, Inc. an evidence-based national curriculum. For more information about UAS Green Dot, contact the Director of Equity and Compliance.

## Statement of Inclusivity

At the University of Alaska Southeast, inclusivity is paramount—for all of the students, faculty, staff, and community members who choose our campuses in Juneau, Sitka, and Ketchikan—as we strive to provide safe and diverse accommodations and services for anyone and everyone to call home. Through empathy, respect, communication, and commitment, UAS provides this statement of inclusivity to show our dedication to embracing and understanding the challenges and triumphs of our university family.

Student success is integral to the overall success of the state of Alaska. It is our duty to create an atmosphere of acceptance and growth, while continuously evolving as a university in ways that encourage discourse and action.

UAS will provide a progressive, supportive environment for all students, faculty, staff, and visitors inclusive of race, color, religion, national origin, age, sex, sexual orientation, gender identity, veteran status, physical or mental disability, marital status, genetic information, pregnancy or parenthood.

### With our commitment to inclusivity, diversity, and community, UAS strives to:

**Respect** the opinions and experiences of those who choose to share them, while providing a **safe** and **accepting** environment for everyone.

**Understand** that differences make us unique, and in turn, help our university become a vibrant, cultural, and artistic center for education.

**Train** and **educate** the university community through seminars, courses, and encompassing discussions that open our minds and hearts to the plights and concerns of underrepresented populations.

And above all, **learn** about ourselves and each other in an effort to create meaningful alliances; **engage** in active and

productive conversations about diversity, and confront and **change** negative perceptions of inclusivity and identity.

## Student Code of Conduct

As with all members of the university community, the university requires students to conduct themselves honestly and responsibly, and to respect the rights of others. Conduct that unreasonably interferes with the learning environment or that violates the rights of others is prohibited by the standards and guidelines described in university regulation and UAS rules and procedures, collectively referred to as the Student Code of Conduct, or code. Students and student organizations will be responsible for ensuring that they and their guests comply with the code while on property owned or controlled by the university or at activities authorized by the university. The entire student code of conduct, including prohibited conduct and sanctions, is online at <http://uas.alaska.edu/dean-of-students/code-of-conduct/>.

**Contact:** Dean of Students Office

Phone: (907) 796-6389

Email: [uas.deanofstudents@alaska.edu](mailto:uas.deanofstudents@alaska.edu)



# INDEX

## A

Academic Advising .....	40
Academic Calendar 2021-2022 .....	38
Academic Information .....	205
Academic Regulations .....	18
Academic Services, Libraries and Learning Centers .....	40
Accountant O.E. ....	122
Accounting (ACCT) .....	136
Accounting Technician Certificate .....	101
Alaska Languages (AKL) .....	137
Alaska Native Studies (ANS) .....	139
Alaska Native Studies Minor .....	129
Alaska Studies (ALST) .....	140
Alaskan Aquaculture O.E. ....	123
Anthropology (ANTH) .....	140
Anthropology Minor .....	130
Application Procedures .....	26
Applied Fisheries, A.A.S. ....	62
Applied Fisheries Certificate .....	102
Art (ART) .....	142
Arts and Sciences .....	53
Associate Degrees .....	61
Associate of Arts, A.A. ....	62
Associate of Science, A.S. ....	63
Automotive Technology (AUTO) .....	145
Aviation Technology (AT) .....	145

## B

Bachelor's Degrees .....	70
Behavioral Health Assistant O.E. ....	123
Biology, B.A. ....	73
Biology, B.S. ....	74
Biology (BIOL) .....	145
Biology Minor .....	130
Business Administration, A.A.S. ....	64
Business Administration, B.B.A. ....	75
Business Administration (BA) .....	148
Business Minor .....	130

## C

Campuses .....	231
Career Education .....	58

Career Services .....	44
Certificate & Degree Programs .....	51
Certificates .....	101
Certified Nurse Aide Training O.E. ....	123
Chemistry (CHEM) .....	150
Communication (COMM) .....	152
Community Education, Sponsored, Non-academic and Self-Support Course Fees .....	31
Computer Aided Drafting Technician O.E. ....	124
Computer Info & Office Systems (CIOS) .....	153
Computer Info Systems (CIS) .....	154
Concurrent Enrollment .....	28
Construction Technology, A.A.S. ....	64
Construction Technology (CT) .....	155
Construction Technology Minor .....	130
Cost of Attendance .....	22
Counseling Services .....	44
Course Descriptions .....	136
Creative Writing Minor .....	131
Credit by Examination .....	14

## D

Deadlines .....	26
Degrees by Colleges and Schools .....	53
Department of Business and Public Administration .....	53
Diesel Technology (DESL) .....	157
Disability Services .....	45
Disbursement of Funds .....	28
Drafting Technology Certificate .....	103
Drug Free Schools .....	233

## E

Early Childhood Education (ECE) .....	161
Economics (ECON) .....	161
ED: Educational Technology (EDET) .....	158
ED: Special Education (EDSE) .....	159
Educ: Mathematics Education (EDMA) .....	162
Educ: Reading Specialist (EDRE) .....	163
Educ: Science Education (EDST) .....	164
Education (ED) .....	164
Education Endorsement Areas .....	122
Educational Leadership, M.Ed. ....	115
Elementary Education, B.A. ....	77
Elementary Education K-8 Graduate Certificate .....	111

Elementary Education, M.A.T. ....	116	Healthcare Privacy and Security Certificate .....	104
Eligibility for Financial Aid .....	25	History (HIST) .....	179
English, B.A. ....	79	History Minor .....	131
English (ENGL) .....	169	Honors (HNRS) .....	180
English Literature Minor .....	131	Housing .....	46
Environmental Resources, B.S. ....	80	Human Services (HUMS) .....	181
Environmental Science, B.S. ....	82	Humanities .....	54
Environmental Science (ENVS) .....	171	Humanities (HUM) .....	181
Environmental Science Minor .....	131	<b>I</b>	
Environmental Studies, B.A. ....	83	Indigenous Language Speaking Certificate .....	104
Environmental Studies (ENVI) .....	173	Indigenous Language Teaching Certificate .....	105
Exchange and Study Abroad Opportunities .....	45	Information Directory .....	223
<b>F</b>		Information Release .....	16
Faculty .....	215	Information Systems Minor .....	132
Fees and Expenses .....	29	Institutional Information .....	215
Fees and Fee Changes .....	29	Interdisciplinary, I.B.A. ....	86
Financial Aid .....	21	Interdisciplinary Studies (INDS) .....	182
Financial Obligations and Payments .....	37	International Admission .....	9
Fisheries and Ocean Sciences with a Concentration in Fisheries Science, B.S. ....	85	<b>J</b>	
Fisheries Management O.E. ....	124	Justice (JUST) .....	182
Fisheries Technology (FT) .....	174	<b>L</b>	
Food Service .....	45	Law Enforcement O.E. ....	125
French (FREN) .....	175	Law Science (LAWS) .....	183
<b>G</b>		Liberal Arts, B.L.A. ....	90
General Education Requirements (GER) .....	208	Library Science (LS) .....	183
General Information and Accreditation .....	222	Loans .....	24
Geography (GEOG) .....	175	<b>M</b>	
Geology (GEOL) .....	176	Marine Biology, B.S. ....	95
Getting Started: Admission .....	5	Marine Transportation, A.A.S. ....	67
Graduate Admission .....	9	Marine Transportation Minor .....	132
Graduate Certificates .....	110	Marine Transportation (MTR) .....	184
Graduate Studies .....	108	Marine Transportation O.E. ....	125
Graduation .....	207	Maritime & Multi Skilled Worker O.E. ....	125
<b>H</b>		Master's Degrees .....	114
Health Information Management, A.A.S. ....	65	Mathematical Sciences Minor .....	132
Health Information Management Coding Specialist Certificate	103	Mathematics, B.S. ....	96
Health Information Management (HIM) .....	177	Mathematics (MATH) .....	185
Health Science (HS) .....	178	MBS Book Vouchers .....	32
Health Sciences, A.A.S. ....	66	Medical Assisting Certificate .....	106
Health Services (Juneau) .....	46	Medical Assisting (MA) .....	187
Healthcare Information Technology O.E. ....	124	Mining Tech (MINL) .....	187

Mission, Vision, and Values .....	224	Resolution of Disputes .....	237
Music (MUS) .....	187	Return of Title IV Funds Policy .....	28
<b>N</b>		<b>S</b>	
Native and Rural Student Center (Juneau) .....	47	Satisfactory Academic Progress Statement .....	27
Natural Sciences .....	56	School of Education (SOE) .....	60
Network Access Fee .....	30	Scientific Diving O.E. ....	128
New Student Orientation .....	47	Secondary and Middle Grades Education, M.A.T. ....	119
Northwest Coast Art Minor .....	133	Secondary Education Graduate Certificate .....	112
Northwest Coast Art O.E. ....	126	Senior Citizen Tuition Waiver .....	32
Notice of Nondiscrimination .....	235	Sexual and Gender-Based Discrimination/Title IX .....	240
Nursing through UAA, A.A.S. ....	68	Small Business Management Certificate .....	108
<b>O</b>		Social Science, B.A. ....	97
Occupational Endorsements .....	122	Social Science (SSCI) .....	199
Oceanography (OCN) .....	187	Social Sciences .....	57
Online Programs and e-Learning .....	212	Social Work through UAF, B.S.W. ....	99
Other Academic Opportunities .....	213	Sociology (SOC) .....	199
Outdoor and Adventure Studies Minor .....	133	Spanish Minor .....	134
Outdoor Skills and Leadership Certificate .....	106	Spanish (SPAN) .....	201
Outdoor Studies (ODS) .....	188	Special Education, B.A. ....	100
<b>P</b>		Special Education Graduate Certificate .....	113
Pathways to Teaching Minor .....	134	Special Education, M.A.T. ....	120
Payment Plans .....	36	Special Education, M.Ed. ....	121
Petition for Refunds .....	34	Staff .....	224
Philosophy Minor .....	134	Statement of Inclusivity .....	241
Philosophy (PHIL) .....	190	Statistics (STAT) .....	201
Physical Education (PE) .....	191	Student Activities .....	47
Physics (PHYS) .....	193	Student Code of Conduct .....	241
Political Science (PS) .....	193	Student Competencies .....	208
Power Technology, A.A.S. ....	68	Student Employment .....	25
Power Technology O.E. ....	126	Student Fees .....	30
Pre-Nursing Qualifications Certificate .....	107	Student Government .....	48
Pre-Radiologic Technology Qualifications Certificate .....	107	Student Recreation Center .....	48
Psychology (PSY) .....	195	Student Refunds .....	32
Public Administration, M.P.A. ....	117	Student Resource Center (SRC) .....	48
Public Administration (PADM) .....	196	Student Rights and Responsibilities .....	233
<b>R</b>		Student Services .....	40
Reading Specialist Graduate Certificate .....	112	<b>T</b>	
Reading Specialist, M.Ed. ....	118	Tax Issues .....	28
Registration .....	12	Theater (THR) .....	202
Resident and Non-Resident Tuition .....	34	Tlingit Language Minor .....	135
Residential/Light Construction O.E. ....	127	Types of Available Aid .....	23

**U**

UAS Alumni and Friends Association .....	230
UAS Campus Advisory Councils .....	230
UAS Course Definitions .....	205
Undergraduate Admission .....	5
Undergraduate Minor Options .....	129
University of Alaska Board of Regents .....	230
University (UNIV) .....	202

**V**

Verification of Information .....	26
Veterans Assistance .....	25
Veterans Services .....	48

**W**

Welcome to UAS .....	4
Welding O.E. ....	128
Welding Technology (WELD) .....	203
Western Undergraduate Exchange .....	36
Writing (WRTG) .....	203