

**Building solutions for better
buildings and careers**



The construction technology program at UAS is dedicated to providing quality learning opportunities in a supportive environment where construction students can learn new skills or improve existing skill levels.

Construction Technology provides the knowledge, tools and experiences to develop professionally and experience personal growth and enrichment.



University of Alaska Southeast

Technical Education Center
1415 Harbor Way
Juneau, Alaska 99801
Phone: 907-796-6120
Fax: 907-796-6571

UAS is an AA/EO employer and learning institution

Construction Technology

University of Alaska Southeast



DEGREES

A.A.S. Construction
Technology

www.uas.alaska.edu

UNDERGRADUATE MINOR

Construction
Technology

CERTIFICATES

Residential / Light
Construction

Residential Building
Science

Drafting Technology

CONTINUING EDUCATION

Continuing Education
Classes for
Contractors

School of
Career
Education



Associate of Applied Science Construction Technology

61 credit hours

Major Requirements 45 credits

ACCT S100 Recordkeeping for Small Business	3
BA S166 Small Business Management	3
CT S100 Woodworking I	3
CT S120 Basic Construction Techniques	3
CT S135 Residential Wiring	3
CT S140 Residential Plumbing & Heating	3
CT S170 Residential Design, Codes & Standards	3
CT S175 Introduction to AutoCAD	3
CT S201 Cold Climate Coastal Construction	3
CT S222 Building Construction I	3
CT S223 Building Construction II	3
CT S225 Construction Planning & Scheduling	3
CT S226 Construction Estimating	3
CT S230 Residential Mechanical Ventilation	3
Technical or Vocational Elective	3
General Education Requirements	16 credits
Oral Communication Skills (your choice)	3
Written Communication Skills (one your choice)	6
MATH 105 Intermediate Algebra (or higher)	4
Advisor-approved GER elective	3

Construction Technology will benefit those interested in working in the construction trades and mid-management positions in the industry.



Certificate of Completion Residential Building Science

32 credit hours minimum

Program Requirements 22 credits

CIOS S135 Using Spreadsheets	1
CT S110 Where Health & Housing Meet	1
CT S165 Residential Building Technology	3
CT S185 Building Diagnostics & Testing	3
CT S201 Cold Climate Coastal Construction	3
CT S210 New Materials in Construction	1
CT S230 Residential Mechanical Ventilation	3
CT S285 Advanced Building Pressure Diagnostics	3
PHYS S102 Survey of Physics	4
General Education Requirements	10 credits
Oral Communication Skills	3
Written Communication Skills	3
MATH 105 Intermediate Algebra (or higher)	4

Residential Building Science is for individuals interested in the dynamics and systems approach to residential building. Program emphasis is teaching the essentials of diagnostic assessment and the issues of building durability, building performance, energy efficiency, and indoor air quality.

For More Information :

Contact Marquam George at
907-796-6124 or
marquam.george@uas.alaska.edu
www.uas.alaska.edu/ct

Certificate of Completion Drafting Technology

31 credit hours minimum

Program Requirements 21 credits

CT S120 Basic Construction Techniques	3
CT S175 Introduction to AutoCAD	3
CT S181 Intermediate AutoCAD	3
CT S201 Cold Climate Coastal Construction	3
CT S213 Engineering Graphics	3
CT S170 Residential Design	3
CT S252 Construction Documentation	3

General Education Requirements 10 credits

Oral Communication Skills (your choice)	3
Written Communication Skills	3
MATH 105 Intermediate Algebra (or higher)	4

Drafting Technology courses combine 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



and lettering, architectural concepts, design and construction techniques.

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