



UNIVERSITY  
of ALASKA  
SOUTHEAST

BBA | Bachelor of Business Administration

# Management Information Systems

ONLINE

120  
CREDITS

4  
YEARS

TECHNOLOGY

ANALYSIS

PROBLEM SOLVING

DATA

*“Businesses uses information on a regular basis to support decision making and daily operations. Management Information Systems are all about the development and maintenance of the systems that make this information available to end-users. These skills are needed in managerial positions up to and including Vice President of a corporation.”*

*Tim Powers  
Professor of Information Systems*

## POTENTIAL CAREERS

- Computer Systems Analyst
- Data Analyst
- IS/IT Manager
- Project Manager
- Webmaster/Web Developer
- Business Analyst
- Network Systems Administrator
- Software/Application Developer
- Database Developer/Administrator

### Train in Alaska for a High Demand Career

Skills in technology and information systems are required by nearly every industry. Whether you are an aspiring systems analyst, database administrator, IT manager, or programmer, the University of Alaska Southeast offers distance courses and programs with instructors who guide you in applying technology to solve problems and create opportunities.

The Bureau of Labor Statistics most recent Occupational Outlook shows that median salaries in Management Information Systems fields range from \$79,680 to \$120,950. They predict that careers in MIS fields will grow between 15% and 25% (faster than average) between 2012 and 2022.

UAS offers distance learning opportunities for students throughout the state of Alaska. Many courses are delivered asynchronously – meaning that there are no real-time required meetings – allowing students to hold down full-time jobs and/or raise families while completing their degrees. Course sizes are relatively small, providing an interactive and engaging learning environment.

### Additional UAS Opportunities

**Endorsement** Accountant, Financial Institutions  
**Certificate** Accounting Technician, Small Business Mgmt.  
**Associate of Applied Science** Business Administration  
**Bachelor of Business Administration** Accounting, Human Resource Management, Management  
**Master of Public Administration** Public Administration, Natural Resource Policy, Rural Development

UAS Admissions Office | 11066 Auke Lake Way, Juneau, AK 99801 | 1-800-478-9069 toll free | (907) 796-6402  
[uas.bpaprograms@alaska.edu](mailto:uas.bpaprograms@alaska.edu)

[uas.alaska.edu/apply](https://uas.alaska.edu/apply)



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# Management Information Systems

## DEGREE REQUIREMENTS | 120 credits

## Emphasis Courses | 18 credits

<b>General Education Requirements</b>	<b>35</b>	<b>CIS 170 Programming Fundamentals</b>	<b>3</b>
WRTG 111 Writing Across Contexts	3	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.	
WRTG 211/212 Writing and the Humanities/the Professions	3		
Oral Communication GER	3		
Fine Arts GER	3		
Humanities/Social Science GERs	6	<b>CIS 345 IT Infrastructure</b>	<b>3</b>
MATH 151 College Algebra (or higher)	4	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.	
ECON 201 Macroeconomics	3		
ECON 202 Microeconomics	3		
Natural Science GER	4	<b>CIS 370 Software Engineering</b>	<b>3</b>
Non Lab Science GER	3	Fundamental concepts and models of the complete software development life cycle, including key processes involved in designing, developing, testing, implementing and installing functioning applications.	
<b>Major Requirements</b>	<b>67</b>	<b>CIS 371 Systems Analysis/Design</b>	<b>3</b>
ACCT 201 Principles of Financial Acct	3	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.	
ACCT 202 Principles of Managerial Accounting	3		
BA 151 Introduction to Business	3	<b>CIS 420 Information Systems Security</b>	<b>3</b>
BA 251 Management Skills	3	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.	
BA 263 Business Communications	3		
BA 301 Principles of Management	3	<b>CIS 430 Data/Information Management</b>	<b>3</b>
BA/CIS 310 Management Information Systems	3	Examines core concepts in data and information management, including identifying requirements, converting requirements into relational models, normalizing tables, querying methods, and application development. Introduces database administration and explores the role that databases play in decision support and business intelligence. Prerequisite: CIS S240.	
BA 325 Financial Management	3		
BA 330 Legal Environment of Business	3		
BA 343 Principles of Marketing	3		
BA 374 Intro to Quantitative Methods or STAT 273	3		
Elementary Statistics			
BA 462 Capstone: Strategic Management	3		
BA 476 Project Management	3		
BA 490 Political/Social Environment of Business	3		
BA 498 Applied Business Research	3		
CIS 235 Spreadsheet Concepts/Applications or CIS 240	3		
Database Concepts/Applications			
Advisor approved electives	3		
Electives	16		

### DEGREE REQUIREMENTS: [uas.alaska.edu/academics](https://uas.alaska.edu/academics)

Candidates must complete 35 credits of General Education Requirements (GERs) as well as program requirements. This does not take the place of program requirements listed in the UAS Academic Catalog. Students must work with an academic advisor to plan their course sequence. UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: [uas.alaska.edu/titleix](https://uas.alaska.edu/titleix). Updated 10/2017

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