UAS UNIVERSITY OF ALASKA
SOUTHEAST

learn · engage · change

MANAGEMENT INFORMATION SYSTEMS
BACHELOR OF BUSINESS ADMINISTRATION

> *"Information Technology and business are becoming inextricably interwoven. I don't think anybody can talk meaningfully about one without talking about the other."*
> – Bill Gates

MAKING ORGANIZATIONS WORK BETTER THROUGH THE USE OF TECHNOLOGY

Are you tech savvy? Are you good at solving problems? Are you interested in varied and challenging work environments?

Opportunities in the field of Management Information Systems are plentiful. 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 United States Bureau of Labor Statistics most recent Occupational Outlook shows that median salaries in Management Information Systems fields currently 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.

The University of Alaska Southeast 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.

POTENTIAL CAREERS	POTENTIAL SALARIES
• Computer Systems Analyst • Data Analyst • IS/IT Manager • Project Manager • Webmaster/Web Developer • Internet Specialist • Application Developer • Database Specialist/Developer/Administrator	**2012 median pay for Computer Systems Analyst:** $79,680 per year with a bachelor's degree and no experience. **Growth outlook 2012-2022:** 25% (much faster than average) **2012 median pay for IS Managers:** $120,950 per year with a bachelor's degree and minimum five years of experience. **Growth outlook 2012-2022:** 15% (faster than average) *Source: U.S. Bureau of Labor Statistics Occupational Outlook Handbook:* *http://www.bls.gov/ooh/management/computer-and-information-systems-managers.html*

Learn where you live and work in Alaska with online courses and degree programs – UAS School of Management.

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DEGREE REQUIREMENTS

MINIMUM CREDIT HOURS				120

General Education Requirements				35
Must include:				
MATH	151	College Algebra for Calculus (or higher)		4
ECON	201	Macroeconomics		3
ECON	202	Microeconomics		3

Major Requirements				67
ACCT	201	Principles Financial Acct*		3
ACCT	202	Principles Managerial Acct		3
BA	151	Introduction to Business		3
BA	251	Management Skills		3
BA	263	Business Communications		3
CIS	240	Database Concepts & App		3

Select one from the following (3 credits):

BA	374	Intro to Quantitative Methods		3
STAT	273	Elementary Statistics		3

Note: 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.

BA	301	Principles of Management		3
CIS	310	Management Information Systems		3
BA	325	Financial Management		3
BA	330	Legal Environment of Business		3
BA	343	Principles of Marketing		3
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
___	___	Advisor-approved electives**		3
___	___	Electives		16

*** Courses with ACCT, BA, CIS, or LAWS designators are pre-approved. Other courses need advisor-approval.*

MANAGEMENT INFORMATION SYSTEMS EMPHASIS AREA

Emphasis Requirements			18
CIS	170	Programming Fundamentals	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.

CIS	345	IT Infrastructure	3

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	370	Software Engineering	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.

CIS	371	Systems Analysis and Design	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.

CIS	420	Information Systems Security	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.

CIS	430	Data and Information Management	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.

> "Everyone working in any business uses information on a regular basis to support decision making and daily operations. Management Information Systems (MIS) is all about the development and maintenance of the systems that make this corporate information available to end-users. MIS skills are needed in managerial positions up to and including Vice President of a corporation."
>
> **- Tim Powers**
> Associate Professor of Information Systems

For more information about this program, please contact:
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(800) 478-9069   **www.uas.alaska.edu/som**

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