



QUEEN CITY CAREER GUIDE

MANAGEMENT INFORMATION SYSTEMS

WHAT IS MANAGEMENT INFORMATION SYSTEMS?

UTILIZING TECHNOLOGY TO SOLVE BUSINESS PROBLEMS. Businesses use data and information to make forecasts, manage day-to-day operations, schedule personnel and equipment, monitor quality, manage inventory, work with suppliers, and coordinate projects. MIS practitioners collect and analyze information using the latest computer technology so businesses operate effectively and efficiently.

MIS INDUSTRIES

DATA ANALYTICS. Gather stored information using statistics and predictive models to recognize trends and opportunities; Provide customized intelligence in order to make sound business decisions; May analyze vast amounts of data available online or in storage (commonly referred to as "big data" or "data mining").

DESIGN. Create methods for collecting, storing, and communicating information to serve both internal and external constituents of a business; May develop software, databases, websites, and other operational support systems.

SECURITY. Verify effectiveness of an organization's information security practices; Detect and prevent e-crimes like illegal transactions, theft of company or customer information, malware, or other types of computer hacking; Ensure disaster recovery processes in the event of a natural disaster, power failure, or equipment malfunction.

SUPPORT. Apply technology that allows businesses to communicate, access the Internet, transmit and print documents, and share data effectively and quickly; Maintain computer networks, hardware and software systems, and assess technology needs for employees.

PREPARING FOR YOUR CAREER...

AS CITED BY TOP AREA RECRUITERS, YOU WILL NEED:

- Knowledge of computer hardware and software, applications and programming
- Strong mathematical ability using statistics and Excel
- To be able to use logic and deductive reasoning to analyze information and creatively seek innovative solutions to problems
- Active listening and effective communication of technical information
- Engagement in continuous life-long learning to understand and to be able to apply latest technology
- The ability to work in a fast-paced and rapidly changing environment

HOW TO GET HIRED

Certificates are available for both entry-level and professional-level positions.

New grads should seek

Entry-Level, as no experience is required to obtain the credential.

ACP - Associate Computing Professional

ISA - Information Systems Analyst

CCP - Certified Computing Professional

www.iccp.org/certification

You might enjoy MIS if you're computer savvy; you're a problem-solver by nature; you're always thinking of better ways to do things; you're the resident expert for anything technical; you enjoy web design and computer software; you're very organized

WHAT IS THE DIFFERENCE BETWEEN MIS & COMPUTER SCIENCE?

MIS PROFESSIONALS ARE BUSINESS-ORIENTED AND TECHNOLOGY PROFICIENT; ARE MOTIVATED BY USING THE COMPUTER AS A TOOL TO ANALYZE PROBLEMS.

COMPUTER SCIENCE PERSONNEL BUILD THE TECHNOLOGY AND ARE MOTIVATED BY HOW THE COMPUTER WORKS; ARE SPECIFICALLY TRAINED IN PROGRAMMING LANGUAGES AND CODING.

**QUICK FACTS
FOR COMPUTER & INFORMATION
SYSTEM MANAGERS:
FIELD GROWTH:
+16% IN NORTH CAROLINA
+11% NATIONALLY**

**NC SALARY RANGE: \$95,420- \$208,000+
MEDIAN NATIONAL INCOME: \$159,010**

**THIS FIELD HAS A BRIGHT OUTLOOK, MEANING JOB
OPPORTUNITIES ARE GROWING FASTER THAN AVERAGE.**

SOURCE: ONET.OHIO STATE UNIVERSITY

UNC CHARLOTTE GRADS



**74% of 2021 Management
Information Systems Graduates were
employed full time, and 5% are enrolled
in continuing education. Graduates
reported an average salary of \$68,571.**

*with a 81.33% knowledge rate (First Destination Survey Data)



**GET INVOLVED!
STUDENT ORGANIZATIONS &
PROFESSIONAL
ORGANIZATIONS**

STUDENT ORGANIZATIONS

ASSOCIATION FOR INFORMATION SYSTEMS

BETA ALPHA PSI (MIS MAJORS WITH A 3.0 GPA OR HIGHER)

PROFESSIONAL ORGANIZATIONS

ASSOCIATION OF INFORMATION TECHNOLOGY PROFESSIONALS

CHARLOTTE INFORMATION TECHNOLOGY QUALITY ASSURANCE ASSOCIATION

DATA MANAGEMENT INTERNATIONAL

DIGITAL ANALYTICS ASSOCIATION

INFORMATION SYSTEMS SECURITY ASSOCIATION

IEEE COMPUTER SOCIETY

WHO HIRES UNC CHARLOTTE MIS MAJORS?



Internships make candidates more competitive in the job market, and many employers hire entry level positions from their internship programs. More information can be found at belkcollege.charlotte.edu/internships

SAMPLE JOB TITLES IN THIS FIELD

SYSTEMS ANALYST • DATABASE ADMINISTRATOR • SYSTEMS ARCHITECT
BUSINESS ANALYST • SECURITY ADMINISTRATOR • WEB DEVELOPER
SYSTEMS CONSULTANT • SECURITY ANALYST • PROJECT MANAGER •
IT MANAGER • ANALYTICS CONSULTANT • STATISTICAL CONSULTANT •
CUSTOMER ANALYTICS MANAGER



For more information, visit:
Niblock Student Center, Belk College of Business, Friday 305,
belkcollege.charlotte.edu
University Career Center, Atkins 150, career.charlotte.edu

