

INFORMATION SECURITY MANAGEMENT

Based on 2020-21 Undergraduate Catalog

INFORMATION SECURITY MANAGEMENT AS A MINOR

Gain a competitive edge in job market as more organizations focus on the confidentiality, security and integrity of their information, data and IT services. With a minor in information security management students can enhance their major with knowledge in risk analysis, security control, mobile security and networks. Depending on the major area of study, a minor in information security management can position graduates for successful careers securely managing the digital assets of organizations across multiple industries.

BENEFITS

- Acquire skills necessary to protect information from unauthorized access, misuse or disruption.
- Enhances any major, business or non-business.
- Join a field that *U.S. News & World Report* regularly includes on its list of 100 best jobs.

REQUIREMENTS FOR A MINOR IN INFORMATION SECURITY MANAGEMENT

A minimum grade of C must be earned in each course in the information systems security management minor and in the prerequisites for each course. This minor is open to all students except management information systems (MIS) majors with an information security management specialization.

The minor consists of a minimum of four courses for business students. Non-business students should contact the minor coordinator to determine the credit requirements.

The minor consists of four courses, including the following required courses:

- MIS 3050 Information Technology Foundations (3 credits)
- MIS 4170 Practical Cyber Security Fundamentals (3 credits)
- MIS 4180 IS Risk Analysis and Security Control Development (3 credits)

One elective from the following:

- MIS 4130 Networks (3 credits)
- MIS 4140 Information Security Lab (3 credits)
- MIS 4700 IS Security (3 credits)
- MIS 4750 Mobile Security and Secure Application Development (3 credits)

Prerequisites for non-business majors:

- MIS 1000 Business Problem Solving with Information Technology (3 credits) or CSE 1200/CIT 1200 Introduction to Computing and Programming with Excel (4 credits)
- MIS 3000 Management Information Systems (3 credits) or MIS 3010 Survey of Management Information Systems (3 credits)

Department of Decision and Information Systems

Minor Coordinator

Xiaodong Deng | deng@oakland.edu | (248) 370-4089

Department Chair

Vijayan Sugumaran | sugumara@oakland.edu | (248) 370-4649

Office Assistant

Shannon Johnson | mjohnson3@oakland.edu | (248) 370-3283

SCHOOL OF BUSINESS ADMINISTRATION

SKILLS AND ABILITIES

- Gain a foundation in the high-demand skills of risk analysis, security control, and mobile security and networks.
- Develop critical thinking and problem-solving skills

CAREER OPPORTUNITIES

Depending on the major area of study, an information security management minor can position graduates for careers such as:

- Information security analyst
- Information security manager
- Data security manager
- Cybersecurity specialist
- IT consultant

Industries that commonly employ graduates with information security management minors:

- Computer systems design and related services
- Information technology
- Finance and insurance
- Management companies and enterprises
- Manufacturing

For more information on careers, please visit the Bureau of Labor and Statistics at bls.gov or O*Net at onetonline.org.

JOB OPENINGS

Access thousands of job and internship postings at Handshake (oakland.edu/careerservices/handshake). Handshake also provides the latest news from OU Career Services, exclusively for OU students and alumni.

RELATED STUDENT ORGANIZATIONS

- Association for Information Systems
- Society of Operations Management
- Society for Applied Investing and Financial Education

CAREER OUTLOOK

Median Starting Salary: \$65,642

Mid-career salary: \$98,350

Employment of information security and cyber security analysts is projected to grow 28 percent through 2026, much faster than the average for all occupations.

Based on data from the National Bureau of Labor and Statistics and PayScale.

FOR FURTHER INFORMATION

To help you choose your area of interest, plan your future career goals and monitor your progress, visit the Oakland business school undergraduate advising and career services offices.

School of Business Administration

Undergraduate Advising

Elliott Hall, Room 232

275 Varner Drive

(248) 370-3285

oakland.edu/business/advising

School of Business Administration Career Services

Elliott Hall, Room 232

275 Varner Drive

(248) 370-3215

oakland.edu/business

Career Services Main Office

North Foundation Hall, Room 154

318 Meadow Brook Road

(248) 370-3250

oakland.edu/careerservices