MASTER OF SCIENCE IN INFORMATION ASSURANCE

This degree provides students with the knowledge and skills necessary for a career in the technological environment.

Davenport University’s College of Technology is leading the way for all levels of achievement. Whatever your goals, a degree from DU prepares you with a relevant, real-world education with experienced faculty members who are leading professionals in their fields. This 37-credit program will help you develop a comprehensive, interdisciplinary knowledge. You’ll be ready to think strategically and learn to interact, manage and lead teams and individuals. Our courses bring together advanced professionals in the organizational culture of Information Assurance — mirroring the emerging needs of the industry.

Who is Eligible?
You are eligible if you have a bachelor’s degree in business, technology, or a business discipline. A Davenport University advisor can review your undergraduate experience to determine if your coursework includes the equivalent to:

Prerequisites
• Java Programming I or PERL/Python Scripting
• Information Security and Assurance
• Cryptography
• Data Communications and Networks
• Statistics for Business

MSIA Program Summary
This program offers a solid foundation in the areas of information security planning, cryptography, project management and risk mitigation, application security, network security, forensics, and legal and ethical roles and topics specific to security.
• Many classes are taught by current industry leaders in the area of Information Assurance
• Students are ready to contribute quickly and compete effectively as a result of competence gained through hands-on and case-based learning in highly equipped computer labs
• Fast track to in-demand high compensation careers in Computer Security fields

Outcomes
• Evaluate, monitor, and ensure compliance with data security policies and relevant legal and regulatory requirements
• Justify security improvement actions and ensure the actions are implemented as required by industry standards
• Evaluate cost benefit, economic and risk analysis in decision making processes
• Develop plans in collaboration with stakeholders that will align IT security priorities with the organization’s strategic plans
• Monitor and evaluate the effectiveness of the enterprises’ IA security safeguards to ensure they provide the intended level of protection

In-Demand Careers
The Master of Science in Information Assurance program opens doors for you to be a contender for jobs anywhere in the world with job titles such as:
• Chief Information Security Officer, earning capability of $120,000 – $170,000
• Information Systems Security Officer, earning capability of $120,000
• Compliance Manager, earning capability of $130,000 – $160,000

Why Davenport?
• Our technology degrees have a strong foundation in business and leadership skills
• The national reputation of Davenport’s curriculum and instructors is outstanding
• A broad range of organizations across Michigan and the nation regularly hire DU graduates
• Courses available online and in classroom

Davenport University is accredited by the Higher Learning Commission North Central Association of Colleges and Schools (NCA).
Davenport University has been designated as a National Center of Academic Excellence in Information Assurance Education (CAE/IAE) from the Committee on National Security Systems in conjunction with the National Security Agency (NSA) and the Department of Homeland Security (DHS) for academic years 2011-2016.

For more information: davenport.edu/graduate or 800-686-1600
Enroll now at davenport.edu/apply

Outcomes

<table>
<thead>
<tr>
<th>COURSE OF STUDY</th>
<th>Information Security Planning</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Applied Cryptography</td>
</tr>
<tr>
<td></td>
<td>Project Management/ Risk Mitigation</td>
</tr>
<tr>
<td></td>
<td>Legal and Ethical Security Topics</td>
</tr>
<tr>
<td></td>
<td>Application Security</td>
</tr>
<tr>
<td></td>
<td>Network Security</td>
</tr>
<tr>
<td></td>
<td>Advanced Computer Forensics</td>
</tr>
<tr>
<td></td>
<td>Research Techniques for Information Assurance</td>
</tr>
<tr>
<td></td>
<td>Analytical Statistics for Management</td>
</tr>
<tr>
<td></td>
<td>Capstone: Information Assurance Thesis</td>
</tr>
</tbody>
</table>

In-Demand Careers

<table>
<thead>
<tr>
<th>Why Davenport?</th>
<th>State-of-the-art online technology and support</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High quality coursework</td>
</tr>
<tr>
<td></td>
<td>11 campuses across Michigan</td>
</tr>
<tr>
<td></td>
<td>Low student-to-faculty ratio</td>
</tr>
<tr>
<td></td>
<td>Specializing in careers of the future</td>
</tr>
<tr>
<td></td>
<td>Practical in-field experiences</td>
</tr>
</tbody>
</table>

Advanced Computer Forensics
Research Techniques for Information Assurance
Analytical Statistics for Management
Capstone: Information Assurance Thesis

Davenport University is accredited by the Higher Learning Commission North Central Association of Colleges and Schools (NCA). Davenport University has been designated as a National Center of Academic Excellence in Information Assurance Education (CAE/IAE) from the Committee on National Security Systems in conjunction with the National Security Agency (NSA) and the Department of Homeland Security (DHS) for academic years 2011-2016.
For more information:  
davenport.edu/graduate or 800-686-1600  
Enroll now at davenport.edu/apply