Earn an IT degree that means business.

Today business success is fueled by the intelligence flowing through information systems. For this reason, the IT professionals who rise to leadership positions are often those with a key understanding of business. To help you excel in this high-demand area, University of Phoenix offers the Master of Information Systems (MIS) degree program.

Taught by business and IT experts, the MIS program can prepare you to manage business information systems, think critically about their function and design, evaluate emerging information technologies, and, most importantly, develop your own. The rigorous curriculum focuses on the full spectrum of advanced information technology concepts, including business systems, project management and strategic planning. Through progressive coursework, you’ll also learn the type of critical-thinking, problem-solving, and collaboration skills that are valuable in most working environments. In addition, our certificate option allows you to build expertise in specific areas such as information systems management, business analytics and information systems auditing. Because the certificate curriculum is part of the degree program, there is no additional cost or time required to earn the certificate.

Hone your skills across IT areas like:
- Business systems
- Project management
- Strategic planning
- Security and ethics
- IT infrastructure and integration

Learn how to integrate IT across an organization’s various systems, including applications of:
- Enterprise Resource Planning (ERP)
- Customer Relationship Management (CRM)
- Supply Chain Management (SCM)
- Systems Development Life Cycle (SDLC)

Develop leadership and management skills in areas like:
- Identifying and assessing emerging technologies
- Managing change
- Organizational culture
- Organizational ethics
- Team development

Prepare for a variety of careers in information technology, including:
- Computing services director
- Information systems supervisor
- IT manager
- Director of application development
- IT director
- IT security manager

See reverse for more information.
Benefits of being a Phoenix:
- Accredited by the Higher Learning Commission.
- Earn industry-aligned certificates before completing your degree.
- Learn in-demand technical skills early in your degree program.
- Learn from experienced IT professionals.
- Take classes online, on campus or both where available.
- Get credit toward your degree for prior academic and professional experience.

While earning your Master of Information Systems, you can also earn up to two certificates en route while completing your degree program at no additional time or cost, and demonstrate current, relevant skills before you graduate. Below are the certificate programs and their corresponding alignment with industry certifications:

**GRADUATE CERTIFICATE IN BUSINESS ANALYTICS**
- Oracle®
  - Business Intelligence Applications Certified Implementation Specialist
  - Hyperion Data Relationship Management Certified Implementation Specialist
  - IT Architecture Essentials
- SAS®
  - Certified Base Programmer
  - Certified Statistical Business Analyst Using SAS Regression and Modeling

**GRADUATE CERTIFICATE IN CYBER SECURITY**
- ISACA® Certified Information Systems Auditor (CISA®)

**GRADUATE CERTIFICATE IN INFORMATION SYSTEMS MANAGEMENT**
- Aligned to support the ACM® and IEEE Professional Organizations Model Curriculum and Guidelines for Graduate Degree Programs in Information Systems

The Master of Information Systems requires a minimum of 42 credits, which may come from a combination of required and elective courses. As a student in the College of Information Systems and Technology, your courses may include one or more of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSA 505</td>
<td>IS Auditing Processes</td>
</tr>
<tr>
<td>BSA 510</td>
<td>IT Governance and Management</td>
</tr>
<tr>
<td>BSA 525</td>
<td>Information Assets Protection</td>
</tr>
<tr>
<td>BSA 540</td>
<td>Data Relationship Management</td>
</tr>
<tr>
<td>BSA 550</td>
<td>Customer Relationship Management</td>
</tr>
<tr>
<td>BSA 570</td>
<td>Analytic Programming</td>
</tr>
<tr>
<td>BSA 580</td>
<td>Statistical Business Analytics</td>
</tr>
<tr>
<td>CIS 532</td>
<td>Information Systems Leadership</td>
</tr>
<tr>
<td>CIS 568</td>
<td>Information Systems Concepts</td>
</tr>
<tr>
<td>CMGT 554</td>
<td>IT Infrastructure</td>
</tr>
<tr>
<td>CMGT 555</td>
<td>Systems Analysis and Development</td>
</tr>
<tr>
<td>CMGT 556</td>
<td>Enterprise Models</td>
</tr>
<tr>
<td>CMGT 557</td>
<td>Emerging Technologies and Issues</td>
</tr>
<tr>
<td>CMGT 575</td>
<td>CIS Project Management</td>
</tr>
<tr>
<td>CMGT 578</td>
<td>CIS Strategic Planning</td>
</tr>
<tr>
<td>CMGT 582</td>
<td>Security and Ethics</td>
</tr>
<tr>
<td>CMGT 583</td>
<td>IS Integration</td>
</tr>
<tr>
<td>DBM 502</td>
<td>Database Management</td>
</tr>
</tbody>
</table>

For more information about our on-time completion rates, the median debt of students who completed the program, and other important information, please visit our website at http://www.phoenix.edu/programs/degree-programs/technology/masters/mis.html.

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Secure your future in cyber security.

Around the world, the threat of cyber crime is increasingly prevalent and damaging, including cyber espionage, malware and phishing. As a result, the need for cyber security has skyrocketed. According to the Bureau of Labor Statistics, cyber security jobs will grow 37 percent between 2012 and 2022, making it one of the fastest-growing tech jobs.\(^1\) To prepare you for success in this critical field, University of Phoenix offers a suite of certificate and degree programs focused on Cyber Security.

Taught by current IT and security experts, our industry-aligned programs provide the exact knowledge and skills you need to excel at almost every aspect of cyber security, risk management and ultimately strategic leadership. The rigorous curriculum includes topics like cryptography, information assurance, enterprise security, risk management, and systems audit and control. Students are exposed to real-life scenarios through hands-on labs and simulations and learn skills that can be immediately applied on the job. Throughout the program, there is an emphasis on critical-thinking and leadership abilities that lead to success in most workplace environments.

To help you gain the expertise employers want sooner, we offer our certificate option. Our certificate programs can help prepare you for key industry certifications from associations like CompTIA®, (ISC)²®, and ISACA®. In addition, you can apply your certificate credits toward the completion of your degree.

**Learn in-demand technical skills with one or more certificates:**
- Information Assurance and Security Certificate
- Advanced Cyber Security Certificate
- Graduate Certificate in Cyber Security

**Earn stand-alone certificates without pursuing a degree, or apply your certificate credits toward a degree:**
- Associate of Arts with a concentration in Information Technology
- Bachelor of Science in Information Technology
- Master of Information Systems

**Build important skills in:**
- Collaboration
- Communication
- Critical thinking
- Organization
- Problem-solving

See reverse for more information.

Benefits of being a Phoenix:
- Accredited by the Higher Learning Commission.
- Earn industry-aligned certificates before completing your degree.
- Learn in-demand technical skills early in your degree program.
- Learn from experienced IT professionals.
- Take classes online, on campus or both where available.
- Get credit toward your degree for prior academic and professional experience.

Prepare for a variety of careers in information technology, including:
- Data security administrator
- Information security analyst
- Information security specialist
- Information systems manager
- Computer security specialist
- Security manager

While earning your degree, you can also earn up to two certificates en route while completing your degree program at no additional time or cost, and demonstrate current, relevant skills before you graduate. Below are the certificate programs for Cyber Security and their corresponding alignment with industry certifications:

**ADVANCED CYBER SECURITY CERTIFICATE**
- (ISC)² Certified Information Systems Security Professional (CISSP®)
- (ISC)² Certified Information Security System Professional (CSSLP®)

**INFORMATION ASSURANCE AND SECURITY CERTIFICATE**
- CompTIA Security+®
- (ISC)² Systems Security Certified Practitioner (SSCP®)
- Certified Wireless Network Administrator (CWNA®)
- CompTIA Network+®
- CompTIA Mobility+™

**GRADUATE CERTIFICATE IN CYBER SECURITY**
- ISACA Certified Information Systems Auditor (CISA®)

Whether you’re earning your degree or a stand-alone certificate, the College of Information Systems and Technology offers a wide range of courses in the Cyber Security track. A sample of courses you may take include:

<table>
<thead>
<tr>
<th>BSA 530 IT Architecture</th>
<th>CMGT 430 Enterprise Security</th>
<th>CMGT 582 Security and Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMGT 245 IS Security Concepts</td>
<td>CMGT 431 Information Systems Security</td>
<td>CMGT 583 IS Integration</td>
</tr>
<tr>
<td>CMGT 230 Fundamentals of SSCP</td>
<td>CMGT 432 Introduction to Cryptography</td>
<td></td>
</tr>
<tr>
<td>CMGT 232 Fundamentals of Cyber Security and Cryptography</td>
<td>CMGT 433 Cyber Security</td>
<td></td>
</tr>
<tr>
<td>CMGT 400 Intro to Information Assurance and Security</td>
<td>CMGT 442 Information Systems Risk Management</td>
<td></td>
</tr>
</tbody>
</table>

A Bachelor of Science in Information Technology requires a minimum of 120 credits.
An Associate of Arts with a concentration in Information Technology requires a minimum of 60 credits.
A Master of Information Systems requires a minimum of 42 credits.

For more information about our on-time completion rates, the median debt of students who completed the program, and other important information, please visit our website at http://www.phoenix.edu/colleges_divisions/technology.html.

Maryland residents completing this program will earn an Associate of Arts with an en-route Associate of Arts emphasis in Information Technology once all program requirements are met.

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University of Phoenix is accredited by the Higher Learning Commission (http://hlcommission.org). For more information about University of Phoenix accreditations and licensures, please visit http://www.phoenix.edu/about_us/accreditation.html.

While widely available, not all programs are available in all locations or in both online and on-campus formats. Please check with a University Enrollment Representative.
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