Gain specialized knowledge for a growing industry.

The IT industry is rapidly growing and offers exciting potential for career seekers. The College of Information Systems and Technology provides students with a well-rounded education that builds strong IT skill sets through interactive learning and hands-on simulations. Our Bachelor of Science in Information Technology (BSIT) degree program teaches a wide range of technical skills while providing a strong foundation of organizational and business knowledge.

Our BSIT program also offers certificates at no additional cost, which prepare you for one or more of 40 technology certifications.

Learn in-demand technical skills with certificates in areas like:
- Big Data & Database Administration
- Cyber security
- IT management and strategy
- IT support and services
- Networking and cloud technologies
- Web, mobile and software development

Our programs are aligned to major technology certifications, including:
- Adobe® Certified Expert
- Cisco® Certified Network Associate (CCNA®)
- CompTIA A+®
- Oracle® Certified Professional
- Microsoft® Certified Professional (MCP)
- EMC Information Storage Associate v2 (EMCISA)

Build important skills in:
- Communication
- Organization
- Problem-solving
- Project management
- Teamwork

Our degree program prepares graduates for a variety of careers in information technology, such as:
- Software developer
- Computer systems administrator
- Computer-user support specialist
- Database administrator
- Data security administrator
- Information security analyst
- Network administrator
- Computer programmer
- Web developer

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.

Certificate listing

While earning your Bachelor of Science in Information Technology, 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:

<table>
<thead>
<tr>
<th>ADVANCED CYBER SECURITY CERTIFICATE</th>
<th>CISCO NETWORKING CERTIFICATE</th>
<th>MULTIMEDIA DEVELOPMENT CERTIFICATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>– (ISC)² Certified Information Systems Security Professional (CISSP®)</td>
<td>– Cisco Certified Network Associate (CCNA)</td>
<td>– Adobe Certified Associate (ACA)</td>
</tr>
<tr>
<td>– (ISC)² Systems Security Certified Practitioner (SSCP®)</td>
<td>– CompTIA Security+®</td>
<td>• Print and Digital Media Publication Using Adobe InDesign</td>
</tr>
<tr>
<td>ADVANCED MULTIMEDIA DEVELOPMENT CERTIFICATE</td>
<td>DATABASE ADMINISTRATION CERTIFICATE</td>
<td>• Video Communication Using Adobe Premiere®</td>
</tr>
<tr>
<td>– Adobe Certified Expert (ACE)</td>
<td>– Microsoft Certified Solutions Associate (Database)</td>
<td>• Visual Communication Using Adobe Photoshop</td>
</tr>
<tr>
<td>• Acrobat®</td>
<td>DESKTOP SUPPORT CERTIFICATE</td>
<td>• Web Authoring Using Adobe Dreamweaver</td>
</tr>
<tr>
<td>• Dreamweaver®</td>
<td>– CompTIA A+</td>
<td>NETWORK SUPPORT CERTIFICATE</td>
</tr>
<tr>
<td>• InDesign®</td>
<td>HEALTH CARE IT CERTIFICATE</td>
<td>– Certified Wireless Network Administrator (CWNA®)</td>
</tr>
<tr>
<td>• Photoshop®</td>
<td>– CompTIA A+</td>
<td>– CompTIA Network+®</td>
</tr>
<tr>
<td>– Autodesk® 3ds Max® Certified User</td>
<td>– CompTIA Healthcare IT Technician™</td>
<td>– CompTIA Security+</td>
</tr>
<tr>
<td>ADVANCED NETWORKING CERTIFICATE</td>
<td>INFORMATION ASSURANCE &amp; SECURITY CERTIFICATE</td>
<td>PROGRAMMING CERTIFICATE</td>
</tr>
<tr>
<td>– Cisco® Certified Design Associate (CCDA)</td>
<td>– CompTIA Security+</td>
<td>– C++ Institute Certified Associate Programmer</td>
</tr>
<tr>
<td>– Microsoft Certified Solutions Associate (Networking)</td>
<td>– (ISC)² Systems Security Certified Practitioner (SSCP)</td>
<td>– Microsoft Certified Solutions Associate (Database)</td>
</tr>
<tr>
<td>– CompTIA Cloud+™</td>
<td>– Certified Wireless Network Administrator (CWNA®)</td>
<td>– Oracle Certified Associate (Java OCA Programmer)</td>
</tr>
<tr>
<td>– Amazon AWS Certification</td>
<td>– CompTIA Network+®</td>
<td>WEB ADMINISTRATION CERTIFICATE</td>
</tr>
<tr>
<td>ADVANCED SOFTWARE DEVELOPER CERTIFICATE</td>
<td>– CompTIA Mobility+™</td>
<td>– CIW® Certifications</td>
</tr>
<tr>
<td>– C++ Institute Certified Professional Programmer</td>
<td></td>
<td>• Internet Business Associate</td>
</tr>
<tr>
<td>– Microsoft Certified Professional (Programming in C#)</td>
<td></td>
<td>• Network Technology Associate</td>
</tr>
<tr>
<td>– Oracle Certified Associate (Java OCA Programmer)</td>
<td></td>
<td>• Site Development Associate</td>
</tr>
<tr>
<td>– Oracle Certified Professional (Java OCP Programmer)</td>
<td></td>
<td>• Web Foundations Associate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>– CompTIA Security+</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/bachelors/bsit.html. CISSP is a registered certification mark of International Information Systems Security Certification Consortium, Inc. Autodesk and 3ds Max are registered trademarks of Autodesk, Inc. Adobe, Acrobat, Dreamweaver, Flash, InDesign and Photoshop are registered trademarks of Adobe Systems Inc. Cisco is a registered trademark of Cisco Systems Inc. and/or its affiliates in the U.S. and certain other countries. CCDA is a registered trademark of Cisco Technology Inc. CCNA is a registered trademark of Cisco Technology, Inc. CIW is a registered trademark of Certification Partners LLC. CompTIA, A+ and Network+ are registered trademarks of Computing Technology Industry Association Inc. CWNA is a registered trademark of Planet3 Wireless, Inc. (ISC)² SSCP is a registered trademark of International Information Systems Security Certification Consortium, Inc. Oracle and Java are registered trademarks of Oracle and/or its affiliates. Microsoft is a registered trademark of Microsoft Corp. in the U.S. Project Management Institute and PMI are registered trademarks of Project Management Institute Inc.

Some states limit the number of credits that may be applied to a degree program. Please consult a University Enrollment Representative for details.

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.

The University’s Central Administration is located at 1625 W. Fountainhead Pkwy., Tempe, AZ 85282.

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Develop your skills at developing software.

The Internet, PCs, tablets and the ubiquitous smartphones. Today, information technology is deeply integrated into every aspect of our lives. As a result, the demand for software developers is projected to grow 22 percent between 2012 and 2022, according to the Bureau of Labor Statistics.1 To prepare you for success in this high-demand field, University of Phoenix offers a suite of certificate and degree programs focused on Web, Mobile and Software Development.

Taught by IT experts, our industry-aligned programs provide the exact knowledge and skills you need to develop multimedia applications and programs for the web, PCs and mobile devices. The comprehensive curriculum covers systems development and operating systems, HTML5, CSS, JavaScript®, Java® and C/C++ programming languages. You’ll learn how to code, test and troubleshoot programs using the appropriate hardware, database development and programming technology.

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 companies like Microsoft®, Oracle® and Adobe®. In addition, you can apply your certificate credits toward the completion of your degree.

Learn in-demand technical skills with one or more certificates:
- Advanced Multimedia Development Certificate
- Advanced Software Developer Certificate
- Multimedia Development Certificate
- Programming Certificate
- Web Administration Certificate

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

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

Prepare for a variety of careers in information technology, including:
- Applications developer
- Computer programmer
- Java developer
- Programmer analyst
- Software developer
- Web programmer

See reverse for more information.

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 Web, Mobile and Software Development and their corresponding alignment with industry certifications:

### ADVANCED MULTIMEDIA DEVELOPMENT CERTIFICATE
- Adobe Certified Expert (ACE)
  - Acrobat®
  - Dreamweaver®
  - InDesign®
  - Photoshop®
- Autodesk® 3ds Max® Certified User

### ADVANCED SOFTWARE DEVELOPER CERTIFICATE
- C++ Institute Certified Professional Programmer
- Microsoft Certified Professional (Programming in C#)
- Oracle Certified Associate (Java OCA Programmer)
- Oracle Certified Professional (Java OCP Programmer)

### MULTIMEDIA DEVELOPMENT CERTIFICATE
- Adobe Certified Associate (ACA)
  - Print and Digital Media Publication Using Adobe InDesign
  - Video Communication Using Adobe Premiere®
  - Visual Communication Using Adobe Photoshop
  - Web Authoring Using Adobe Dreamweaver

### PROGRAMMING CERTIFICATE
- C++ Institute Certified Associate Programmer
- Microsoft Certified Solutions Associate (Database)

### WEB ADMINISTRATION CERTIFICATE
- CIW® Certifications
  - Internet Business Associate
  - Network Technology Associate
  - Site Development Associate
  - Web Foundations Associate
- CompTIA Security+

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 Web, Mobile and Software Development track. A sample of courses you may take include:

- **BSA 385**
  - Intro to Software Engineering

- **CIT 227**
  - Website Development Foundations

- **CMGT 445**
  - Application Implementation

- **CSS 422**
  - Software Architecture

- **MBL 402**
  - Android Mobile Development

- **MBL 406**
  - iOS Mobile Development

- **MBL 410**
  - Windows® Mobile Development

- **POS 408**
  - .NET I

- **PRG 211**
  - Algorithms and Logic for Computer Programming

- **PRG 215**
  - Java Programming

- **PRG 218**
  - Introduction to C/C++

- **PRG 280**
  - Programming in HTML5 with JavaScript

- **PRG 281**
  - Windows Application Development Using HTML5 And JavaScript I

- **PRG 410**
  - C++ Programming I

- **PRG 421**
  - Java Programming II

- **WEB 240**
  - Web Design Fundamentals

- **WEB 407**
  - Advanced Web Development

- **WEB 436**
  - Mobile Commerce

- **WEB 437**
  - Website Commercialization

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.