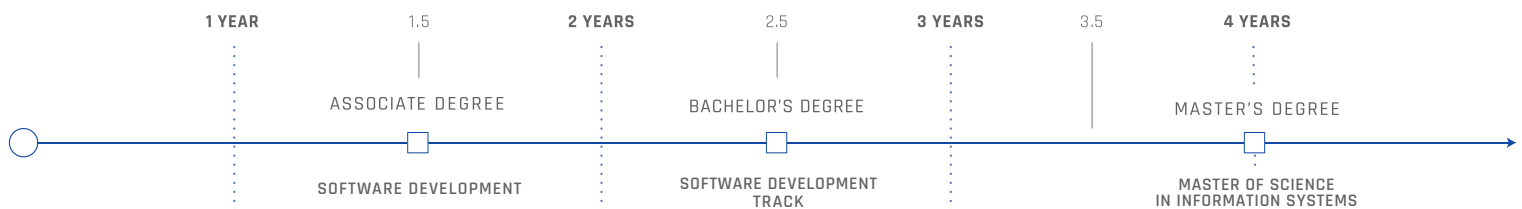




SOFTWARE DEVELOPMENT

The ever-increasing role of computers in society will continue to require skilled developers to design, develop, and implement software based solutions and products for business and consumers. Software applications systems connect you to a computer, tablet, smartphone or mobile device. Each year, enterprising developers and companies create an array of cloud, mobile and web-based offerings designed to make business more effective and our lives more enjoyable. ECPI University's Software Development major in the Computer and Information Science degree offers a skills based program utilizing the latest in technology across platforms using virtualization. ECPI's programs encourage students to obtain industry certifications and internships for real world experience that enhances graduate opportunities.

If this sounds like the career you've been looking for, consider earning an Associate Degree in Software Development. Through ECPI University's year-round schedule, you could graduate in just 1.5 years!



Outcomes

In addition to the outcomes listed below, students in the Software Development concentration learn how to create web pages, write software applications, use and maintain databases, and understand and utilize computer networks.

Computer and Information Science Outcomes:

- Use processes, tools, and technologies to support an organization
- Work as a member of a technical team
- Apply written, oral, and graphical communication in both technical and non-technical environments
- Identify and use appropriate technical literature
- Engage in continuous professional development through user groups, associations, conferences, readings, research, and other channels
- Develop and use ethical best practices in the maintenance and security of information and systems
- Use cloud computing tools

Software Development Major Outcomes:

- Design and develop secure software solutions using object-oriented principles
- Develop integrated systems solutions using software, web, and mobile applications to access organizational databases
- Plan secure software solutions with customers

Possible Career Track

According to the U.S. Bureau of Labor Statistics, employment for software developers between 2014 and 2024 is expected to increase by 17%, which is much faster than the average for all occupations (14%).*

Software Development graduates are prepared for entry level positions in a wide spectrum of industries, including:

- Social Media
- Healthcare
- Education
- Advanced Manufacturing
- Defense

Job titles for these positions include:

- Programmer
- Web programmer
- Software Tester

* Derived from U.S. Dept. of Labor Bureau of Labor Statistics Occupational Outlook Handbook, 2012-13 Edition