

Learning Outcomes: Computer Programming & Analysis

❖ **Computer Programming and Analysis, Degree**

- Analyze technical problems as related to customer requirements
- Design a logical plan for the development of a software solution
- Implement software solutions including documentation
- Evaluate software problems, plans, and solutions for correctness and appropriateness
- Communicate effectively with technical and non-technical audiences

❖ **Computer Programming, College Credit Certificate**

❖ **Computer Programming Specialization**

- Analyze technical problems as related to customer requirements
- Design a logical plan for the development of a software solution
- Implement software solutions including documentation
- Evaluate software problems, plans, and solutions for correctness and appropriateness

❖ **Game Programming Specialization**

- Design a logical plan for the development of gaming software
- Implement games using object-oriented programming
- Test games for correctness and entertainment value

❖ **Web Development Specialization**

- Analyze technical problems as related to customer requirements
- Design a logical plan for the development of a Web-based solution
- Implement Web-based solutions including documentation
- Evaluate Web-based problems, plans, and solutions for correctness and appropriateness

❖ **Computer Programming Specialist, College Credit Certificate**

❖ **Computer Programming Specialization**

- Analyze technical problems as related to customer requirements
- Design a logical plan for the development of a software solution
- Implement software solutions including documentation
- Evaluate software problems, plans, and solutions for correctness and appropriateness

❖ **Web Development Specialization**

- Analyze technical problems as related to customer requirements
- Design a logical plan for the development of a Web-based solution
- Implement Web-based solutions including documentation
- Evaluate Web-based problems, plans, and solutions for correctness and appropriateness