

# Mobile and Web Computing

## Certificate of Proficiency

Program **MOBILE.WEB.COMP.CERT**  
CIP 522101



The Mobile and Web Computing certificate program teaches the skills needed to enter the mobile and web computing fields and prepares students for entry-level positions such as computer programmer, mobile app developer, and web application developer.

### PROGRAM OUTCOMES

- Analyze computer application requirements;
- Design, write, test, and debug mobile and web applications.

All courses in this program completed with a grade of C or better may be applied toward the Computer Information Technology A.A.S., or Computer Information Systems or Computer Science A.S. degree programs.

Admission requires a high school diploma or its equivalent. Prior programming experience is helpful, but not necessary. Some required courses may be offered only during the evening, and some may be offered only in alternate semesters. It is essential that students plan ahead in consultation with the program coordinator.

### Curriculum

Code	Course (lecture/lab hours)	Credits
COS 102	Computer Science I – Algorithms and Programming (3/2)	4
ENG 101	English Composition I (3/0)	3
IST 108	Introduction to Programming with Mobile Application Development (3/2)	4
IST 144	Website Development (3/2)	4
IST 208	Android Application Development (3/2)	4
IST 218	iOS Application Development (3/2)	4
IST 244	Web Application Development (3/2)	4
— —	Program elective <sup>1</sup>	3-4
		<hr/> 30-31

<sup>1</sup> In consultation with an academic advisor, select from the course categories of COS, DMA, GAM, IST, or NET.