

Information & Computer Science (Software Developer): Certificate of Competence

Description

Students will develop applications in at least two object-oriented languages using data structures, recursion and graphical-user interfaces. Students will analyze and select appropriate algorithms for sorting and searching. Students will use mathematical models, which have implications for computer science. Students will be prepared for upper-division ICS courses.

Program Learning Outcomes

Upon completion of the certificate, students will be able to:

- Develop applications using data structures, recursion and graphical user interfaces.
- Interpret and design mathematical models to solve computer science problems.

Program: [Information & Computer Science](#)

Type: Certificate of Competence (CO)

Required Courses

Item #	Title	Credits
ICS 211	Introduction to Computer Science II	3
ICS 241	Discrete Mathematics for Computer Science II	3
	ICS 212 OR ICS 215	3
	Sub-Total Credits	9
	Total credits for degree:	9