

# Java Programming

## College-approved Certificate

This program is designed to provide an opportunity for students not enrolled in a degree program to acquire evidence of confirmation of Java programming language skills.

Students graduating with this certificate will be able to construct programs with the object-oriented language Java; build on the constructs of sequence, selection, and repetition to develop programs using objects, methods, data abstraction, inheritance, and polymorphism; and enhance his/her critical thinking skills by analyzing, understanding, and developing solutions to a wide range of problems.

Course	Course Title	Credits
CTIM 157	Introduction to Java	3
CTIM 168	Advanced Java	3
CTIM 281	Intro to Software Design & Development	3
		<b>9</b>

### Program Notes

**This certificate fits into the AAS degree in Computer Information Systems – Programming and the Object-oriented Programming certificate.**

#### Prerequisites

Some courses may have prerequisites. Please see course descriptions or online course search for details.

#### Developmental Courses

Developmental courses do not satisfy graduation requirements, but they are required for those who place into them and will appear on the student's transcript. Placement into one of the following courses indicates that a student needs additional preparation before enrolling in college-level courses: *ENGL 091 Preparing for College Reading I*, *ENGL 092 Preparing for College Reading II*, *ENGL 095 Reading and Writing Seminar*, *ENGL 099 Introductory Writing*, *MATH 001-003 Prep College Math I-III*, *MATH 010 Fundamentals of Mathematics*, *MATH 101 Introductory Algebra*, and *MATH 112 Intermediate Algebra*.

**A minimum of 9 credits and 3 courses is required for completion. The same course may not be used to satisfy two different course requirements.**