



Computer Programming Certificate

Program Goals Statement

A certificate in Computer Programming gives students mastery of basic programming concepts. The student becomes literate in at least three programming languages and achieves advanced mastery of more sophisticated concepts in at least one programming language.

Program Information

Transfer credit for any Computer Information Systems (CIS or CIT) course must be approved by the CI Department Chair or by a full-time CI faculty member.

Requirement

- Students without basic computer skills should enroll in CIS 111 prior to enrolling in this certificate. Students who need basic keyboarding skills should enroll in OFC 102 prior to enrolling in this program.

Recommendations

- Plan to spend large blocks of time developing proficiency.

Subject: Computer Information Systems

Type: Certificate

Campus

Campus:

Fall River

New Bedford

Attleboro

Taunton

Online

Item #

Title

Credits



Database Programming

Choose One

Item #	Title	Credits
CIS 150	Oracle and SQL	3
CIS 152	Database Programming and Management with Access	3
CIS 159	MySQL and PHP	3

One 3-4 credit Elective – Programming

Item #	Title	Credits
CIS 122	Internet Developer	3
CIS 150	Oracle and SQL	3
CIS 155	Introduction to C++ Programming	3
CIS 156	Visual Basic	3
CIS 157	Object-Oriented JAVA Programming I	4
CIS 250	Interactive Websites	3
CIS 255	C++ Object Oriented Programming	3
CIS 256	Advanced Visual Basic	3
CIS 257	Object-Oriented JAVA Programming II	4
CIT 143	Programming for Game Developers I	3
CIT 242	Programming for Game Developers II	3

One 3-4 credit Elective - Programming Language

Item #	Title	Credits
CIS 155	Introduction to C++ Programming	3
CIS 156	Visual Basic	3
CIS 157	Object-Oriented JAVA Programming I	4
CIS 250	Interactive Websites	3
CIT 143	Programming for Game Developers I	3

First-semester programming language (choose one)

Item #	Title	Credits
CIS 155	Introduction to C++ Programming	3
CIS 156	Visual Basic	3
CIS 157	Object-Oriented JAVA Programming I	4
CIS 159	MySQL and PHP	3
CIS 250	Interactive Websites	3



Second-semester of the programming language previously taken (choose one)

Item #	Title	Credits
CIS 255	C++ Object Oriented Programming	3
CIS 256	Advanced Visual Basic	3
CIS 257	Object-Oriented JAVA Programming II	4
CIS 258	Advanced Interactive Programming	3

Recommended Course Sequence - Semester 1

Database programming course (semester 1 or 2); First-semester programming course; Programming Elective

Recommended Course Sequence - Semester 2

Database programming course (semester 1 or 2); Programming elective; Second-semester of the programming language taken in first semester

Total credits: 15-19
