



**Associate in Applied Science
62-63 Semester Hours**

The Certificate and the Associate in Applied Science Degree in Information Technology prepare the student for a variety of entry-level positions. Examples include applications programmer, business programmer, user support/help desk technician and computer operator. Students receive two semesters of hands-on programming experience in a high-level programming language, such as Java, and have the choice of selecting a second high-level language from the programming language electives group.

General Education Requirements

COMM 101	Intro to Oral Communication	3 hrs.
ENGL 101	Composition I	3
MATH	Elective (MATH 109 or higher-4 hours)	4
	Science Elective	4
	Humanities Elective	3
	Social Science Elective	3
TOTAL		20

Core Requirements

CSCI 101	Introduction to Computer & Information Science	4
CSCI 130	Computer Science I	4
NETW 150	Workstation Operating Systems	3
NETW 160	Introduction to Networking	3
TOTAL		14

Technical Elective/Specialization**

Electives as approved by advisor or Technology Division. Electives are recommended from the option or specialization areas outlined below and may include Internship or Special Topics courses. Students who intend to transfer to a four-year school should contact an advisor or the department.

****Option/Emphasis Areas:**

Computer Science Option

CSCI 110	Intro to Database Mngmt Systems	3
CSCI 115	Discrete Mathematics	4
CSCI 131	Computer Science II	4
CSCI	200-Level elective	6
MATH 142	Business Statistics (or MATH 141)	4
MATH 161	Calculus I	4
Electives**	(Contact an advisor.)	3
TOTAL		28

Management Information Systems Option

ACCT 200	Financial Accounting	3
BUSN	Elective (course selected from BUSN area)	3
CSCI 110	Intro to Database Mngmt Systems	3
CSCI 135	COBOL Programming I	3
CSCI 136	Programming in Visual Basic	3
CSCI 138	COBOL Programming II	3
CSCI 260	Database Management Systems	3
MATH 142	Business Statistics (or MATH 141)	4
Electives**	(Contact an advisor.)	3
TOTAL		28

Web Application Developer Option

CSCI 110	Intro to Database Mngmt Systems	3
CSCI 115	Discrete Mathematics	4
CSCI 131	Computer Science II	4
CSCI 233 or 234	Enterprise Appl Programming in Java I Or Enterprise Application Programming in Java II	3
DMED 110	Web Page Development	3
DMED 150	Interactive Digital Media	3
DMED 160	Web Server Administration	3
DMED 210	Advanced Webpage Design	3
DMED 270 or 275	JavaScript or PHP	3
TOTAL		29

**** Other Elective Courses**

Other courses such as MATH, NETW, DMED, TECH, ELTC & BUSN may be taken as electives. See an advisor for more information.

Certificate

31 Semester Hours

The courses included in the certificate are accepted toward the completion of the Associate in Applied Science degree in computer technology.

General Education Requirements

ENGL 101	Composition I	3
CSCI 115	Discrete Math	4
TOTAL		7

Core Requirements

CSCI 101	Introduction to Computer & Information Science	4
CSCI 130	Computer Science I	4
CSCI 131	Computer Science II	4
NETW 150	Workstation Operating Systems	3
NETW 160	Introduction to Networking	3
TOTAL		18

Technical Elective/Specialization

Programming Language Elective*	3	
CSCI Elective Courses*	3	
TOTAL		6

* Electives as approved by advisor/faculty

Electives Listing

Programming Language Electives

(Students are required to take at least one 200-level programming language course.)

CSCI Elective Courses

See Information Technology AAS degree

