

# Computer Science A.S.

A mathematics and computer programming based program designed to prepare students for transfer to a bachelor of science degree program.

## Degree Requirements

General Education requirements must be met before the A.S. degree will be granted. For details on General Education requirements, see college catalog.

The curriculum listed on this page is required for an A.S. degree in Computer Science. Students may be required to complete certain degree requirements in the evening. Any exception must have the written consent of the chair of the Division of Natural and Health Sciences, Mathematics, and Technology.

## Academic Preparation

Three years of high school mathematics required; four years of mathematics recommended.

## Career Possibilities

Transfer to a four-year school for training as a software programmer, applications programmer, or systems analyst.

## Transfer Information

Students should contact their advisers and/or the transfer counselor in the Student Development Center for information on transfer planning. Early consultation to plan the most appropriate course sequence will optimize transferability.

## Map your degree

Courses	Cr Hrs	Semester Completed	Grade
<b>First Semester</b>			
ENGL 101 Freshman English I	3	_____	_____
C.S. 120 Foundations of Computer Science	3	_____	_____
BUS 225 Microcomputer Application Software	3	_____	_____
Behavioral/Social Sciences*	3	_____	_____
Math**	3-4	_____	_____
Health	$\frac{1}{1}$	_____	_____
	<b>16-17</b>		
<b>Second Semester</b>			
ENGL 102 Freshman English II	3	_____	_____
C.S. 200 Programming in Visual Basic	3	_____	_____
Behavioral/Social Sciences*	3	_____	_____
Math**	3-4	_____	_____
Humanities***	3	_____	_____
Physical Education	$\frac{1}{1}$	_____	_____
	<b>16-17</b>		
<b>Third Semester</b>			
ENGL 201-206			
or ENGL 221 Effective Speech: Public Address	3	_____	_____
or ENGL 222 Effective Speech: Group Discussion	3	_____	_____
C.S. 222 Programming in C/C++	3	_____	_____
C.S. 215 Systems Analysis and Design	3	_____	_____
Liberal Arts	3	_____	_____
Science†	4	_____	_____
Physical Education	$\frac{1}{1}$	_____	_____
	<b>17</b>		
<b>Fourth Semester</b>			
MATH 203 Linear Algebra	3	_____	_____
MATH 212 Discrete Math	3	_____	_____
C.S. 238 Java	3	_____	_____
HIST 101, 102, 201 or 202	3	_____	_____
Science†	$\frac{4}{4}$	_____	_____
	<b>16</b>		
<b>Total Credit Hours</b>	<b>65-67</b>		

\* Choose one: PSY 101, SOC 101, ECON 201 or 202, ANTH 101.

\*\* Minimum mathematics requirements: MATH 108 and 201.

\*\*\* ART 139, 103, 104, 106, 112, 113, 131, 160, 215, 221, 231, 250, 251, 255, 260; MUSI 104, 112, 154, 158; THA 101, 113, 152; PHIL 203.

† Must be a sequence of one of the following:

BIOL 103-104 or BIOL 105-106; CHEM 103-104; PHYS 103-104 or PHYS 200-201; GEOL 110-111

