Programming

(AS General Studies with Concentration in Programming)

(Transfer Option)

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At a Glance

Computer programmers write, test, and maintain detailed programs that computers must follow to perform their functions, as well as conceive, design, and test logical structures for solving problems by computers. Computer programs tell the computer what to do – which information to identify and access, how to process it, and what equipment to use. Many programmers update, repair, modify, and expand existing programs.

Program: General Studies

AS PROGRAMMING – Guided Pathway/Map

Semester 1

Item #	Title	Credits
ORI 110	Freshman Seminar	1
ART 100	Art Appreciation	3
ENG 101	English Composition I	3
HIS 101	Western Civilization I	3
MTH 112	Precalculus Algebra	3
	Sub-Total Credits	13

Semester 2

Item #	Title	Credits
ECO 231	Principles of Macroeconomics	3
ENG 102	English Composition II	3
HIS 102	Western Civilization II	3
MTH 113	Precalculus Trigonometry	3
	Sub-Total Credits	12

Semester 3

Item #	Title	Credits
BIO 103	Principles of Biology I	4
MTH 125	Calculus I	4
CHM 111	College Chemistry I	4
	Sub-Total Credits	12

Semester 4

Item #	Title	Credits
HUM 101	Introduction to Humanities I	3
ENG 251	American Literature I	3
MTH 126	Calculus II	4
PSY 200	General Psychology	3
	Sub-Total Credits	13

Semester 5

Item #	Title	Credits
BIO 104	Principles of Biology II	4
CIS 251	C++ Programming	3
IDS 102	Ethics	3
MTH 227	Calculus III	4
	Sub-Total Credits	14
	Total credits:	**64**