

Programming

(AS General Studies with Concentration in Programming)

(Transfer Option)

Mr. Terry Ayers, Department Chair

256.352.8104

terry.ayers@wallacestate.edu

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

Semester 4

Item #	Title	Credits
IDS 102	Ethics	3
ENG 251	American Literature I	3
PSY 200	General Psychology	3
MTH 126	Calculus II	4
	Sub-Total Credits	13

Semester 5

Item #	Title	Credits
CIS 251	C++ Programming	3
HUM 101	Introduction to Humanities I	3
BIO 104	Principles of Biology II	4
MTH 227	Calculus III	4
	Sub-Total Credits	14
	Total credits:	64