Computer Programming and Web Development
Associate in Science Degree | Program: 2158 | 60 credits
CIP # 1511020101
Course Sequence Guide for Full-Time Enrollment

SEMESTER	Course ID	Course Title	Credits	Pre/Corequisites
Semester 1	ENC1101	College Composition	3	Prerequisite: Course, placement, or eligible exemption
	Mathematics	Any Mathematics State Core	3	Prerequisite: Course, placement, or eligible exemption
	Social Science	Any Social Science State Core group 2	3	Prerequisite: Course, placement, or eligible exemption
	CGS1000	Introduction to Computer Technology	3	Prerequisite: Course, placement, or eligible exemption
		Total Credits	**12**	
Semester 2	Science	Any Natural Science State Core	3	Prerequisite: Course, placement, or eligible exemption
	CGS1820	Web Page Authoring	3	Prerequisite: Course, placement, or eligible exemption
	COP1000	Programming Concepts	3	Prerequisite: Course, placement, or eligible exemption
	CAI1001C	Artificial Intelligence (AI) Thinking	3	
		Total Credits	**12**	
Semester 3	MNA2130	Business Communication	3	Prerequisite: Course, placement, or eligible exemption
	COP2220	Introduction to C++ Programming	3	Prerequisite: Course, placement, or eligible exemption
	COP2830	Scripting for the Web	3	Prerequisite: CGS1820
	CGS2540	Database Concepts	3	Prerequisite: Course, placement, or eligible exemption
		Total Credits	**12**	
Semester 4	Humanities	Any Humanities State Core	3	Prerequisite: ENC1101
	COP2840	COP2840 Internet Programming	3	Prerequisite: CGS1820
	COP2800	Introduction to Java Programming	3	Prerequisite: COP2220 or instructor permission
	GRA2140	Web Page Design	3	Prerequisite: CGS1820
		Total Credits	**12**	
Semester 5	COP2221	Intermediate Programming with C++	3	Prerequisite: COP2220
	PHI2680	Artificial Intelligence and Ethics	3	
	CTS2351	Network Administration and Management	3	
	COP2805	Java Programming II	3	Prerequisite: COP2800
		Total Credits	**12**	
		PROGRAM TOTAL	**60**	