



Computer Science Associate in Science

Four-Semester Pathway - Academic Year 2018-2019

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS-100	Freshman Interest Group				1	
ENGL-100	English Composition		ENGL-090, ENGL-095		3	
CSCI-110	Principles of Computer Science		MATH-050		4	
MATH-145 <i>OR</i>	College Algebra and Trigonometry	Career Track	MATH-050		4	
MATH-190	Precalculus	Transfer Track	MATH-145		3	
	Computer Science Elective <i>OR</i>	Career Track	See course prerequisites	See course corequisites	3	
MATH-225	Discrete Mathematics	Transfer Track	MATH-140 or higher, ENGL-090, ENGL-095		3	
Semester 2						
ENGL-110	Oral Communications		ENGL-090, ENGL-095		3	
CSCI-160	Object Oriented Design and Programming		CSCI-110		4	
	Social Science Elective	See list on reverse side	See course prerequisites	See course corequisites	3	
	Computer Science Elective <i>OR</i>	Career Track	See course prerequisites	See course corequisites	3	
	Social Science Elective	Transfer Track - See list on reverse side	See course prerequisites	See course corequisites	3	
MATH-225 <i>OR</i>	Discrete Mathematics	Career Track	MATH-140 or higher, ENGL-090, ENGL-095		3	
MATH-260	Calculus I	Transfer Track	MATH-190		4	
Semester 3						
CSCI-290	Data Structures		CSCI-160		4	
COMM-201	Technical Writing		ENGL-100		3	
	Social Science Elective	See list on reverse side	See course prerequisites	See course corequisites	3	
	Science Elective with Lab	See list on reverse side	See course prerequisites	See course corequisites	4	
	Computer Science Elective <i>OR</i>	Career Track	See course prerequisites	See course corequisites	3	
MATH-270	Calculus II	Transfer Track	MATH-260		4	
Semester 4						
ENGL-115	Introduction to Literature		ENGL-100		3	
	Computer Science Elective <i>OR</i>	Career Track	See course prerequisites	See course corequisites	3	
CSCI-250	Computer Organization	Transfer Track	CSCI-160		4	
	Computer Science Elective <i>OR</i>	Career Track	See course prerequisites	See course corequisites	3	

CSCI-299	Programming Autonomous Robots	Transfer Track	CSCI-290		3	
	Social Science Elective OR	Career Track	See course prerequisites	See course corequisites	3	
	Science Elective with Lab	Transfer Track - See list on reverse side	See course prerequisites	See course corequisites	4	
MATH-155	Statistics	Career Track ONLY	MATH-030		3	

Computer Science

General Education Requirements

Course Code	Course Title	Prerequisites	Corequisites	Credits	Met
ENGL-100	English Composition	ENGL-090, ENGL-095		3	
ENGL-115	Introduction to Literature	ENGL-100		3	
FIGS-100	Freshman Interest Group Elective			1	
MATH-225	Discrete Mathematics	ENGL-090, ENGL-095, MATH-140		3	
	Science Elective with Lab*			4	
ENGL-110	Oral Communications	ENGL-090, ENGL-095		3	
	Social Science Elective**			9	

Major Required Courses

Course Code	Course Title	Prerequisites	Corequisites	Credits	Met
COMM-201	Technical Writing/Communications	ENGL-100		3	
CSCI-110	Principles of Computer Science	MATH-050		4	
CSCI-160	Object Oriented Design and Programming	CSCI-110		4	
CSCI-290	Data Structures	CSCI-160		4	

Select one area of focus from the following tracks:

Transfer Track

MATH-190	Precalculus	MATH-145		3	
MATH-260	Calculus I	MATH-190		4	
MATH-270	Calculus II	MATH-260		4	
CSCI-250	Computer Organization	CSCI-160		4	
CSCI-299	Programming Autonomous Robots	CSCI-290		3	
	Science Elective with Lab***			4	

*Science Elective with Lab Options: *BIOL-124, PHYS-200, or CHEM-120*

**Social Science Electives: *ANTH-105, ECON-120, ECON-125, HIST-120, HIST-125, HIST-130, HIST-135, HIST-136, POLS-100, POLS-105, POLS-110, POLS-115, POLS-180, POLS-205, POLS-212, SOCI-100, SOCI-106, SOCI-160*

***Science Elective with Lab Options: *BIOL-128, PHYS-250, or CHEM-125*

Career Track

MATH-145	College Algebra & Trigonometry	MATH-050		4	
MATH-155	Statistics	MATH-030		3	
	Computer Science Electives			15	

2018-2019