COMPUTER SCIENCE AND INFORMATION SYSTEMS—COMPUTER SCIENCE OPTION (AS.CISCS)

ASSOCIATE OF SCIENCE

Program Outcomes: Upon successful completion of this program a student will be able to:

- accurately communicate their work in a technical and non-technical context.
- design and construct significant computer application(s) using current programming languages, computer architectures, and operating systems.
- describe the organization and operation of a computer architecture with respect to numerical representation and computations, digital logic, and computer components.
- demonstrate the ability to evaluate algorithms, select from a range of possible options, provide
 justification for that selection, and implement the algorithm in a programming context.

Required	l Major	Courses	(20	units)
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☐ Ethnic Groups in the US ☐ Language and Rationality	
HCCD GE (see page 66) MAT-3A or higher Natural Sciences Social & Behavioral Sciences Humanities	
General Education – Required Courses Students must complete one of the following General Education Plans:	
	SUBTOTAL: 20 UNITS
CSS-7 – Discrete Structures	4.0
CSS-3 – Computer Architecture and Assembly Language Programming	4.0
CSS-2B – Data Structures and Algorithms	4.0
CSS-2A – Object Oriented Programming	4.0

■ Electives (Courses Numbered 1-199) required when degree units plus GE units total fewer than 60.

TOTAL: 60 UNITS