

AA CIS Program	Semester: Fall/Spring/Summer	Required Courses in Major				
Level of Instruction Criteria	Program Outcomes	CS1313 Programming 1	CS1333 Programming 2	CS2020 Networking 1	CS2243 Internet Programming	
(I) Introduced At the collegiate level, students <u>are not expected to be familiar</u> with the content or skill. Instruction and learning activities focus on basic knowledge, skills, and/or entry-level complexity.	1. Upon completion of the program, the student will build a program in an industry standard programming language. A. Identify common programming nomenclature. B. Demonstrate efficient programming structure. C. Troubleshoot syntax errors.	IR	A		A	
(R) Reinforced At the collegiate level, students <u>are expected</u> to possess a <u>basic level</u> of knowledge and familiarity with the content or skills. Instruction and learning concentrate on enhancing and strengthening previous collegiate knowledge/skills and complexity	2. Upon completion of the program, the student will demonstrate the design of fundamental networks. A. Identify common components of a network. B. Recognize and correct networking faults. C. Define IP Address structure.			I	R	
(A) Advanced At the collegiate level, students <u>are expected</u> to possess a <u>strong foundation</u> in the knowledge, skill or competency. Instruction and learning activities continue to build upon previous competencies with increased complexity and application of use.	3. Upon completion of the program, the student will identify security practices that apply to computing and demonstrate graphic processing. A. Give examples of security practices and select appropriate security measures. B. Demonstrate different file types. C. Construct a graphic using standard design software.		I	IR	I	