



PROGRAMMING, A.A.S.

COURSES THAT FULFILL GENERAL EDUCATION REQUIREMENTS (Courses printed in dark text are required)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
ENGLISH & COMMUNICATION	ENG 1021: ENGLISH COMPOSITION I (REQUIRED) ENG 1022: ENGLISH COMPOSITION II (REQUIRED)	6
MATHEMATICS	MAT 1340: COLLEGE ALGEBRA (REQUIRED)	4
BUSINESS	BUS 1015: INTRODUCTION TO BUSINESS (REQUIRED) BUS 2017: BUSINESS COMMUNICATIONS AND REPORT WRITING (REQUIRED)	6
GENERAL EDUCATION CREDITS		16

ADDITIONAL REQUIRED COURSES FOR (PROGRAM NAME)

CONTENT AREA	COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS
COMPUTER INFORMATION SYSTEMS	CIS 1018: INTRODUCTION TO PC APPLICATIONS (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 1028: OPERATING SYSTEM: USING WINDOWS, LINUX, OSX (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 2002: AUTOMATED PROJECT MANAGEMENT (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 2003: TECHNOLOGY FOR CAREER SUCCESS (ONLINE ONLY) (REQUIRED)	2
COMPUTER INFORMATION SYSTEMS	CIS 2043: INTRODUCTION TO SQL (REQUIRED)	3
COMPUTER INFORMATION SYSTEMS	CIS 2068: SYSTEM ANALYSIS AND DESIGN I (REQUIRED)	3
COMPUTER NETWORKING TECHNOLOGY	CNG 1001: NETWORKING FUNDAMENTALS (REQUIRED)	3
COMPUTER SCIENCE	CSC 1019: INTRODUCTION TO PROGRAMMING (REQUIRED)	3
COMPUTER SCIENCE	CSC 1060: COMPUTER SCIENCE I (REQUIRED)	4
COMPUTER SCIENCE	CSC 1061: COMPUTER SCIENCE II (REQUIRED)	4
COMPUTER SCIENCE	CSC 2036: C# PROGRAMMING (REQUIRED)	4
COMPUTER SCIENCE	CSC 2037: ADVANCED C# PROGRAMMING (REQUIRED)	4
COMPUTER WEB BASED	CWB 1010: COMPLETE WEB AUTHORIZING (REQUIRED)	3
COMPUTER WEB BASED	CWB 2005: CLIENT-SIDE SCRIPTING (REQUIRED)	3
ADDITIONAL PROGRAM CREDITS		45

ELECTIVE COURSES

COURSE NUMBER AND COURSE TITLE	TOTAL CREDITS	
SELECT SIX CREDITS: CWB 1010: COMPLETE WEB AUTHORIZING CWB 2005: CLIENT-SIDE SCRIPTING	6	
TOTAL CREDIT HOURS		61



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Recommended order of courses¹

(The department recommends taking the courses in this order to complete the degree.)

SEMESTER 1	CREDITS
ENG 1021: English Composition I (Required - See pathway advisor) (REQUIRED)	3
CIS 1028: Operating System: Using Windows, Linux, OSX (REQUIRED)	3
CSC 1019: Introduction To Programming (REQUIRED)	3
MAT 1340: College Algebra (Required - See pathway advisor) (REQUIRED)	4
CIS 1018: Introduction to PC Applications (REQUIRED)	3
SEMESTER CREDITS	16
SEMESTER 2	CREDITS
CNG 1001: Introduction to Networking (REQUIRED)	3
CSC 1060: Computer Science I (REQUIRED)	4
CWB 1010: Complete Web Authoring (REQUIRED)	3
BUS 1015: Introduction to Business (REQUIRED)	3
ENG 1022: English Composition II (REQUIRED)	3
SEMESTER CREDITS	16
SEMESTER 3	CREDITS
CIS 2043: Introduction to SQL (REQUIRED)	3
CSC 1061: Computer Science II (REQUIRED)	4
CSC 2036: C# Programming (REQUIRED)	4
CWB 2005: Client-side Scripting (REQUIRED)	3
SEMESTER CREDITS	14
SEMESTER 4	CREDITS
BUS 2017: Business Communications and Report Writing (REQUIRED)	3
CIS 2002: Automated Project Management (REQUIRED)	3
CIS 2003: Technology For Career Success (ONLINE ONLY) (REQUIRED)	2
CIS 2068: System Analysis and Design I (REQUIRED)	3
CSC 2037: Advanced C# Programming (REQUIRED)	4
SEMESTER CREDITS	15

¹ Placement into courses is dependent on test scores or credit for prior learning. See a Pathways Advisor for details. Plans that include ESL, CCR, and AAA courses will increase the total number of hours to completion.