

RED ROCKS COMMUNITY COLLEGE

COMPUTER TECHNOLOGY

2016-2017

Programming Specialist AAS

Programming Specialist AAS

Programming Specialist AAS Degree		
This area of emphasis prepares you to become an entry-level programmer. You will design, develop, build, troubleshoot, debug, maintain, and test computer application software programs in a variety of programming language. Programs will range from simple business programs to the design and completion of a complex business system.		
AAS Prerequisite: Working knowledge of computers and computer basics and Community College Placement Test required scores.		
Required Courses		Credits
CSC 119	Introduction to Programming: (C or Python)	3
CIS 220	Fundamentals of UNIX	3
CIS 240	Database Design and Development	3
Choose 1 from the following		4
CSC 160	Computer Science I: C++	3
CSC 236	C# Programming	
Choose 1 from the following		3
CNG 101	Fundamentals of Networking	9
CNG 131	Principles of Information Assurance	
Choose 9 Credits from the following		9
CSC 161	Computer Science II: C++ (4)	9
CSC 237	Advanced C# Programming (4)	
CSC 217	Advanced Python (3)	
CSC 240	Java Programming (3)	
CSC 241	Advanced Java Programming (3)	
CSC 246	Mobile App Development (3)	
or any OOP faculty advisor-approved electives (3)		
Choose 9 Credits from the following		9
CSC 225	Computer Architecture/Assembly Language Programming (4)	28
CIS 243	Introduction to SQL (3)	
CSC 280	Internship (3)	
or faculty advisor-approved elective (3)		
Programming Specialist AAS Sub Total:		34
Computer Information Systems AAS Requirements (see back page):		28
Total Credits:		62

Faculty Advisor: Julie Schneider | julie.schneider@rrcc.edu

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution and does not discriminate on the basis of disability, race, creed, color, gender, sexual orientation, gender expression, religion, age, national origin, or ancestry, or any other category protected by applicable law.

The College has designated the Human Resources Director as its Equal Opportunity Employment Officer and Title IX Administrator with the responsibility to coordinate its civil rights compliance activities and grievance procedures. Report all concerns or complaints relating to discrimination or harassment to the RRCC Human Resources Department: 303.914.6570

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Computer Information Systems AAS Requirements

Computer Information Systems AAS Requirements

The Computer Information Systems Associate of Applied Science degree prepares you for entry-level positions in all areas of emphasis that are listed following the core requirements. You must earn a minimum grade of C in all CIS, CNG, CSC, and CWB courses required for a certificate or degree.

AAS Prerequisite: Community College Placement Test scores

Required Courses	Credits
ENG 121 English Composition I	3
MAT 121 College Algebra (or higher)	4
CIS 268 System Analysis and Design	3
Choose 1 from the following	3
BUS 115 Introduction to Business (3)	
BUS 120 Introduction to E-Commerce (3)	
BUS 216 Business Statistics (3)	
MAN 210 Aligning Technology with Business Strategy (3)	
ACC 121 Accounting Principles I (4)	
Faculty advisor-approved BUS course (3)	
Choose 1 from the following	3
ENG 122 English Composition II (3)	
ENG 131 Technical Writing (3)	
Choose 1 from the following	3
COM 115 Public Speaking (3)	
COM 125 Interpersonal Communication	
THE 118 Acting Skills: Trades/Business	
Choose 1 from the following	3
CIS 289 Capstone (3)	
CIS 280 Internship (3)	
Credit from any two of the following three areas:	6
Arts & Humanities (ART, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE)	
Natural & Physical Sciences (AST, BIO, CHE, ENV, GEY, PHY, SCI)	
Social & Behavioral Sciences (ANT, ECO, GEO, HIS, POS, PSY, SOC)	
Total Credits:	28

Computer Information Systems AAS Requirements

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