

RED ROCKS

COMMUNITY COLLEGE

COMPUTER TECHNOLOGY

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Software Developer Certificate

The Software Developer Certificate at Red Rocks Community College prepares students for an entry-level position in the fields of software developer, application developer, junior programmer, web applications developer, database developer, software support technician and software tester involving computer software development. The courses provide a foundation in programming skills using a combination of analysis, design, object-oriented programming and relational databases, programming languages in C# and Java and development tools. Software development lifecycles and practices are examined.

Certificate Prerequisite: Successful completion of Computer Science Certificate

Required Courses	Credits
CSC 236 C# Programming	4
CIS 240 Database Design and Development	3
CIS 243 Introduction to SQL	3
Choose 1 of the following	3
CSC 237 Advanced C# Programming (4)	
CSC 240 Java Programming (3)	
Choose 1 of the following	3
CWB 110 Complete Web Authoring: HTML (3)	
CSC 241 Advanced Java Programming (3)	
CSC 246 Mobile App Development (3)	
CNG 131 Principles of Information Assurance (3)	
CSC Faculty Elective: Secure Software: Secure Code (3)	
CSC Faculty Advisor Approved Elective (3)	
Total Credits:	16

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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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Software Developer Certificate Sample Course Sequencing Plans

Disclaimer: The contents of this sample represent the most current information available at the time of publication. However, during the period of time covered by this sample it is reasonable to expect changes to be made with respect to this information without prior notice. Students should regularly meet with the faculty advisor listed for the program.

Sample Course Sequencing Plan #1		Credits
Semester 1		
CSC 236	Fall - 7.5 Accelerated Fall - Online	4
CIS 240	Fall & Spring - 7.5 Accelerated Fall & Spring - Online	3
CIS 243	Fall & Spring - 7.5 Accelerated Fall & Spring - Online	3
Semester 2		
CWB 110	Online	3
Choose 1 of the following:		
CSC 237	Fall - 7.5 Accelerated Fall - Online	4
CSC 240	Fall Spring - Accelerated Summer - Online	3

Sample Course Sequencing Plan #2		Credits
Semester 1		
CSC 236	Fall - 7.5 Accelerated Fall - Online	
CIS 240	Fall & Spring - 7.5 Accelerated Fall & Spring - Online	
CIS 243	Fall & Spring - 7.5 Accelerated Fall & Spring - Online	
Semester 2		
Choose 1 of the following:		
CSC 237	Fall - 7.5 Accelerated Fall - Online	4
CSC 240	Fall Spring - Accelerated Summer - Online	3
Semester 3		
Choose 1 of the following:		
CSC 241	Spring - 7.5 Accelerated	3
CSC 246	Spring - Online	3

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