RED ROCKS COMMUNITY COLLEGE

COMPUTER TECHNOLOGY

Web Development: Back-End Certificate

This area of emphasis prepares you for an entry-level position as a Back-end developer. Course offerings include high-level programming and the integration of databases. The curriculum offerings will include but are not limit to server-side languages such as PHP, Ruby, Python, Java, and .Net to build an application. Tools will include MySQL, Oracle, and SQL Server to find, save, or change data and serve it back to the user in front-end code.

Certificate Prerequisite: Successful completion of Web Developer: Front-End Certificate

Required Courses		Credits
CIS 240	Database Design and Development	3
CIS 243	Introduction to SQL	3
CSC 240	Java Programming	3
Choose 1 of the following		**3**
CSC 217	Advanced Python	
Faculty Advisor Approved Elective		
Choose 1 of the following		**3**
CSC 241	Advanced Java Programming	
Faculty Advisory Approved Elective		
Choose 1 of the following		**3**
CWB 208	Web App Dev: (PHP)	
Faculty Advisor Approved Elective		
	Total Credits:	**18**

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Web Development Back-End 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		
CIS 240	Fall & Spring - 7.5 Accelerated | Fall & Spring - Online	4
CIS 243	Fall & Spring - 7.5 Accelerated | Fall & Spring - Online	3
CSC 240	Fall | Spring - Accelerated | Summer - Online	3
Semester 2		
Choose 1 of the following:		
CSC 217	Spring | Summer - Online	3
Faculty Approved Course		3
Choose 1 of the following:		
CSC 241	Spring - 7.5 Accelerated	3
Faculty Approved Course		3
Choose 1 of the following:		
CWB 208	Spring	3
Faculty Approved Course		3

Sample Course Sequencing Plan #2		Credits
Semester 1		
CIS 240	Fall & Spring - 7.5 Accelerated | Fall & Spring - Online	4
CIS 243	Fall & Spring - 7.5 Accelerated | Fall & Spring - Online	3
CSC 240	Spring - 7.5 Accelerated	3
CSC 241	Spring - 7.5 Accelerated	3
Semester 2		
Choose 1 of the following:		
CSC 217	Spring | Summer - Online	3
Faculty Approved Course		3
Choose 1 of the following:		
CWB 208	Spring	3
Faculty Approved Course		3