# Red Rocks Community College

2017-2018 Degree or Certificate Map
Full-Time College Ready

| Community: Information Technology |
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| Degree or Certificate: Programming Specialist AAS |

## First Semester:

| Complete | Course Number | Title | Credits | Prerequisite |
| --- | --- | --- | --- | --- |
| | CSC 119 | Introduction to Programming | 3 | Basic Computer Skills |
| | CNG 101 | Fundamentals of Networking | 3 | Basic Computer Skills |
| | MAT 121 | College Algebra (GT-MA1) | 4 | |
| | PHI 113<br>PHI 112 | Logic (GT-AH3)<br>Ethics (GT-AH3) | 3 | |
| | COM 115<br>COM 125 | Public Speaking<br>Interpersonal Communication | 3 | |

## Second Semester:

| Complete | Course Number | Title | Credits | Prerequisite |
| --- | --- | --- | --- | --- |
| | CSC 160 | Computer Science I: C++ | 4 | CSC 119 |
| | CWB 110 | Computer Web Authoring: HTML | 3 | Basic Computer Skills |
| | ENG 121 | English Composition I | 3 | |
| | CIS 240 (7.5 accelerated) | Database Design and Development | 3 | CSC 119 |
| | CIS 243 (7.5 accelearted) | Introduction to SQL | 3 | CIS 240 |

## Third Semester:

| Compete | Course Number | Title | Credits | Prerequisite |
|---|---|---|---|---|
| | CSC 240 (7.5 accelearted) | Java Programming (Spring only) | 3 | CSC 160 |
| | CSC 236 | C# Programming (4) (Fall only) | | CSC 119 |
| | CSC 241 (7.5 accelerated) | Advanced Java Programming (Spring only) | 3 | CSC 240 |
| | CSC 237 | Advanced C# Programming (4) (Fall only) | | CSC 236 |
| | CIS 220 | Fundamentals of Unix | 3 | CSC 119 |
| | ENG 122 | English Composition II | 3 | ENG 121 |
| | ENG 131 | Technical Writing | | |
| | PSY 101 | General Psychology I: GT-SS3 | 3 | |
| | PSY 110 | Career Development | | |

## Fourth Semester:

| Complete | Course Number | Title | Credits | Prerequisite |
|---|---|---|---|---|
| | CSC 161 | Computer Science II: C++ (4) (Fall only) | 3 | CSC 160 |
| | CSC 246 | Mobile App Development (3) (Spring only) | | CSC 160 |
| | BUS 115 | Introduction to Business | 3 | |
| | BUS 121 | Basic Workplace Skills | | |
| | BUS 217 | Business Communication and Report Writing | | |
| | MAN 210 | Aligning Technology with Business Strategy | | |
| | CSC 217 | Advanced Python (Spring, Summer) | 3 | CSC 119 |
| | CSC 225 | Computer Architecture/Assembly Language Programming (4) (Spring only) | | CSC 160 |
| | CIS 268 | Systems Analsis and Design | 3 | |
| | CIS 289 | Capstone (Spring only) | 3 | |
| | CSC 280 | Internship | | |

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**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.**