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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 1000: Introduction to Water Quality | F, S |  | 3 |  |
| ENG 1021: English Composition | F, S, M | Appropriate placement scores | 3 |  |
| WQM 1026: Safety and Security Systems | S |  | 3 |  |
| History Elective (From GT-HI1 List Only) | F, S, M |  | 3 |  |
| Arts, Humanities Elective (From GT-AH1, GT-AH2, GT-AH3, GT-AH4 Lists Only) | F, S, M |  | 3 |  |
| CHE 1011: General College Chemistry I | F, S, M | One Year of High School Chemistry or CHE 101 and MAT 1340 | 5 |  |
| WQM 2006: Design Interpretations | F, S |  | 4 |  |
| MAT 1340: College Algebra  | F, S, M | Appropriate placement scores | 4 |  |
| ENG 1022: English Composition II | F, S, M | ENG 1021 | 3 |  |

Red Rocks Community College

Water Quality Management Technology

Bachelors of Applied Science Guided Pathway: True Freshman

**Freshman Year**

**Sophomore Year**

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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 1019: Basic Water Quality Analysis | F, S | ENG 1021 | 4 |  |
| WQM 1020: Equipment Maintenance | F |  | 4 |  |
| General Education Elective | F, S, M |  | 3 |  |
| WQM 2000: Hydraulics | S | MAT 1340 | 4 |  |
| WQM 2016: Bio/Bacteriological Water Analysis | S | WQM 1019 | 4 |  |
| WQM 2017: Disinfection Techniques | S |  | 4 |  |
| Social, Behavioral Science Elective (From GT-SS1, GT-SS2, GT-SS3 Lists Only) | F, S, M |  | 3 |  |
| COM 1150: Public Speaking  | F, S, M | Appropriate placement scores | 3 |  |

**Junior Year**

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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 3012: Intro Safe Drinking Water Act **OR** WQM 3011: Intro Environmental Water Acts | F |  | 2 |  |
| WQM 4021: Environmental Sampling and Containment | F | WQM 1019 | 3 |  |
| CHE 1012: General Chemistry II **OR** BIO 1005: Science of Biology | F, S, M |  | 4 |  |
| Arts, Humanities Elective (From GT-AH1, GT-AH2, GT-AH3, GT-AH4 Lists Only) | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |
| WQM 4060: Source Water Management | S |  | 3 |  |
| WQM 4055: Interrelationships Between Humans and Water Ecosystems | S |  | 3 |  |
| WQM 3045: Principles of Hydrology | S | MAT 1340 | 3 |  |
| Social, Behavioral Science Elective (From GT-SS1, GT-SS2, GT-SS3 Lists Only) | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |

**Senior Year**

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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 4027: Managing Water Projects | F |  | 3 |  |
| WQM 3027: Water Industry Management | F |  | 3 |  |
| WQM 4028: Water Data Management and Analysis | S | MAT 1340 | 3 |  |
| WQM 4065: Water Toxicity Impacts on the Environment and Human Health | S | CHE 1011 **AND** BIO 1005 or CHE 1012 | 4 |  |
| WQM 4089: Senior Internship **OR** WQM 4080: Senior Capstone | F, S, M | Senior Status or 90 credits toward BAS degree completed | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |
| General Education Elective | F, S, M |  | 3 |  |