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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 100: Introduction to Water Quality | F, S |  | 3 |  |
| ENG 121: English Composition | F, S, M | ENG 090 or CCR 092 or CCR 094 (grade C or higher) | 3 |  |
| WQM 126: 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 111: General College Chemistry I | F, S, M | One Year of High School Chemistry or CHE 101 and MAT 121 | 5 |  |
| WQM 206: Design Interpretations | F, S |  | 4 |  |
| MAT 121: College Algebra  | F, S, M | MAT 055 (grade C or higher) or appropriate placement scores | 4 |  |
| ENG 122: English Composition II | F, S, M | ENG 121 | 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 119: Basic Water Quality Analysis | F, S | ENG 121 | 4 |  |
| WQM 120: Equipment Maintenance | F |  | 4 |  |
| General Education Elective | F, S, M |  | 3 |  |
| WQM 200: Hydraulics | S | MAT 121 | 4 |  |
| WQM 216: Bio/Bacteriological Water Analysis | S | WQM 119 | 4 |  |
| WQM 217: Disinfection Techniques | S |  | 4 |  |
| Social, Behavioral Science Elective (From GT-SS1, GT-SS2, GT-SS3 Lists Only) | F, S, M |  | 3 |  |
| COM 115: Public Speaking  | F, S, M | ENG 090 or CCR 092 or CCR 094 (grade C or higher) | 3 |  |

**Junior Year**

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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 312: Intro Safe Drinking Water Act **OR** WQM 311: Intro Environmental Water Acts | F |  | 2 |  |
| WQM 421: Environmental Sampling and Containment | F | WQM 119 | 3 |  |
| CHE 112: General Chemistry II **OR** BIO 105: Science of Biology | F, S, M | CHE 111 **OR** MAT 050 and ENG 090 or equivalent placement scores | 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 460: Source Water Management | S |  | 3 |  |
| WQM 455: Interrelationships Between Humans and Water Ecosystems | S |  | 3 |  |
| WQM 345: Principles of Hydrology | S | MAT 121 | 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 427: Managing Water Projects | F |  | 3 |  |
| WQM 327: Water Industry Management | F |  | 3 |  |
| WQM 428: Water Data Management and Analysis | S | MAT 121 | 3 |  |
| WQM 465: Water Toxicity Impacts on the Environment and Human Health | S | CHE 111 **AND** BIO 105 or CHE 112 | 4 |  |
| WQM 489: Senior Internship **OR** WQM 480: 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 |  |