Red Rocks Community College

Water Quality Management Technology

Bachelors of Applied Science Guided Pathway: Associates Degree

**Students can use their previously earned Associates Degree and apply those credits towards a BAS in Water Quality. The general education requirements have all been filled. This is their guided pathway.**

**Junior Year**

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| **Course** | **Offered** | **Prerequisites** | **Credits** | **Grade/Sub Course** |
| WQM 1000: Introduction to Water Quality Management | F, S |  | 3 |  |
| WQM 1019: Basic Water Quality Analysis | F, S | ENG 1021 | 4 |  |
| WQM 1020: Equipment Maintenance | F |  | 4 |  |
| WQM 2006: Design Interpretations | F, S |  | 4 |  |
| WQM 2000: Hydraulics | S | MAT 1340 | 4 |  |
| WQM 2016: Bio/Bacteriological Water Analysis | S | WQM 1019 | 4 |  |
| WQM 217: Disinfection Techniques | S |  | 4 |  |
| WQM 1026: Safety and Security Systems | S |  | 3 |  |

**Senior 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 |  |
| WQM 4027: Managing Water Projects | F |  | 3 |  |
| WQM 3027: Water Industry Management | F |  | 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 |  |
| 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 |  |