



Red Rocks Community College's Bachelors of Applied Science (BAS) degree in Water Quality Management Technology is a four-year, full-time program.

General Education Requirements-Guaranteed Transfer (37 Credits)

- CHE 111: General College Chemistry I
- BIO 105: Science of Biology OR CHE 112
- MAT 121: College Algebra
- ENG 121: English Composition 1
- ENG 122: English Composition 2
- COM 115: Public Speaking
- Arts and Humanities Elective
- Arts and Humanities Elective
- Social and Behavioral Science Elective
- Social and Behavioral Science Elective
- History Elective

Lower Division Water Quality Management Courses (30 credits)

- WQM 100: Introduction to Water Quality
- WQM 119: Basic Water Quality Analysis (Pre-requisite: ENG 121)
- WQM 120: Equipment Maintenance
- WQM 126: Safety and Security Systems
- WQM 200: Hydraulics (Pre-requisite: MAT 121)
- WQM 206: Design Interpretations
- WQM 216: Bio/Bacteriological Analysis (Pre-requisite: WQM 119)
- WQM 217: Disinfection

Upper Division Water Quality Management Courses (30 credits)

- WQM 311: Survey of Environmental Water Acts
- WQM 312: Survey of the Safe Drinking Water Act
- WQM 327: Water Industry Management
- WQM 345: Principles of Hydrology (Pre-requisite: MAT 121)
- WQM 421: Environmental Sampling & Containment (Pre-requisite: WQM 119)
- WQM 427: Managing Water Projects
- WQM 428: Water Data Management and Analysis
- WQM 455: Interrelationships Between Humans and Water Ecosystems
- WQM 460: Source Water Management
- WQM 465: Water Toxicity Impacts on the Environment and Human Health (Pre-requisite: CHE 111, BIO 105 or CHE 112)
- WQM 489 or WQM 480: Senior Internship or Capstone (Pre-requisite: Senior Status, or 90 credits toward BAS degree completed)

College Level Electives (23 credits)

These courses can be chosen by the student.

TOTAL Credits for the degree: 120

All BAS Pre-requisites:

- WQM 119 for WQM 216 and WQM 421
- CHE 111, and CHE 112 or BIO 105 for WQM 465
- MAT 121 for WQM 200 and WQM 345

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WQM is an applied, technical science department that includes training in math, chemistry, microbiology, and regulations to prepare students for a water career. Associates degree course work or college credits can apply towards a BAS degree pathway. Check the semester schedule for course offerings.

The BAS degree in Water Quality Management Technology requires 120 credit hours. There are also many stackable, discipline-specific certificates for specialized interests. Students can take certificate courses in lieu of or in addition to seeking a degree. The WQM department works closely with the Environmental Protection Agency and the Colorado Department of Public Health and Environment ensuring course material is up-to-date.

Students will be required to complete a BAS application through the WQM department in order to receive the BAS degree. Interested students will also need to attend an information session, have completed at least 60 college level credits, and have at least a 2.5 GPA.

Past related work experience can be applied towards your degree in some cases. If you are interested in learning more about PLA (Prior Learning Assessment) credit, visit <http://www.rccc.edu/assessment/credit-for-prior-learning> or contact the department at 303-914- 6121. You are held to the graduation requirements of the academic catalog you begin under. Changes to the curriculum while enrolled will not affect your degree requirements. Students will be required to maintain a cumulative grade point average of 2.5 on a 4.00 scale in all post-secondary coursework. Satisfactory completion, a grade of C or higher, is mandatory for all core WQM and certificate coursework.

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution which prohibits all forms of discrimination and harassment including those that violate federal and state law, or the State Board for Community Colleges and Occupational Education Board Policies 3-120 and/or 4-120. The College does not discriminate on the basis of race, creed, color, sex/gender, sexual orientation, gender identity or expression, religion, age, national origin or ancestry, pregnancy status, veteran's status, genetic information, physical and/or mental disability or any other category protected by applicable law in its employment practices or education programs. Red Rocks Community College will take appropriate steps to ensure that the lack of English language skills will not be a barrier to admission and/or participation in vocational education programs.

Steps for Admission:

- 1) Attend a BAS Information Session and/or Interview with the Water Quality Management Technology Director. Visit the WQM website for information session dates, contact information is: rccc.wqm@rccc.edu
- 2) Complete the free application for admission to Red Rocks Community College: <https://apply.cccs.edu/applyrrcc/Pages/Welcome.aspx>
- 3) If you are a Colorado resident, apply for the Colorado Opportunity Fund (COF): <https://cof.college-assist.org/> Issues? Contact Student Records, 303.914.6254
- 4) Complete the online Red Rocks 101 Orientation (required): <http://www.rccc.edu/orientation>
- 5) Apply for Financial Aid (if applicable): <http://www.rccc.edu/financial-aid>
- 6) Complete the BAS Application (attach unofficial transcripts)
- 7) Register for BAS upper division classes after receiving acceptance letter from admissions
- 8) Send official transcripts to Red Rocks Community College
Send any transcripts that will be applied to this degree completion

Address:
Red Rocks Community College
C/O Student Records Box 8
13300 W. Sixth Ave
Lakewood, CO 80228-1255

Unopened official transcripts can also be hand delivered to the admissions department

RRCC has designated the Executive Director of Human Resources as its Affirmative Action Officer/ Equal Opportunity Administrator/Title IX Administrator with the responsibility to coordinate its civil rights compliance activities and grievance procedures. For information, contact Human Resources. 3300 West Sixth Avenue, Lakewood, Co 80228. 303.914.6570.