

**Secondary to Postsecondary Pathway for  
Water Quality Management**

Suggested High School Courses			
9 <sup>th</sup>	<b>Core Academic Courses*:</b>	English I, Algebra I, Biology or Environmental Science, State History/Civics	<b>Suggested Electives:</b> Computer Applications
	<b>Career Path Courses:</b>	Computer Applications	
10 <sup>th</sup>	<b>Core Academic Courses*:</b>	English II, Geometry, Biology, US History, Foreign Language I	<b>Suggested Electives:</b> Electrical Wiring and Applications
	<b>Career Path Courses:</b>	Process Technology	
11 <sup>th</sup>	<b>Core Academic Courses*:</b>	English III, Algebra II/ or other, Chemistry	<b>Suggested Electives:</b> Principles of Technology
	<b>Career Path Courses:</b>	Process Technology, Safety, Health in the Workplace Environment	
12 <sup>th</sup>	<b>Core Academic Courses*:</b>	English IV, Trigonometry or other Math, Physics or other lab based science	<b>Suggested Electives:</b> Principles of Technology
	<b>Career Path Courses:</b>	Process Technology; Environmental Science Courses	

**Secondary to Postsecondary Linkages & Contacts**


**Postsecondary Credit Options:**

PRO 110, 120, CHE 101, CHE 111, BIO 111

**Red Rocks Community College Department of High School Relations:** For more information on postsecondary course options for high school students and for admission to RRCC, please contact, Ernie Navarette at 303-914-6320 or [ernie.navarette@rrcc.edu](mailto:ernie.navarette@rrcc.edu).

\* \$ = \$15-25,000; \$\$ = \$25-55,000; \$\$\$ = \$55-90,000; \$\$\$\$ = Above \$90,000

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	<b>Pathway: Renewable Energy Technology</b>	<b>Plan of Study: Solar/Thermal Installation/Energy Auditing</b>
<b>Career Goal (O*Net Code):</b> (Click the code to access education, skills, and employment outlook information)  Water Resource Specialist <a href="#">11-9121.02</a> Water and Wastewater Treatment Plant and System Operators <a href="#">51-8031.00</a> Water/Wastewater Engineers <a href="#">17-2081.01</a> Soil and Water Conservationists <a href="#">19-1031.01</a> Chemical Technicians <a href="#">19-4031.00</a>		<b>Relevant Occupational Experience</b> <b>(Your Life Experiences may be worth College Credit!):</b>  <a href="#">CCCS Credit for Prior Learning Guide</a> <i>Contact Mike Smith (mike.smith@rrcc.edu) for inquiries concerning earning college credit for life experience in Water Quality Management</i>  <a href="#">Colorado Labor Market Information</a>

\* - High Demand Career

**Possible Pathways to your Career!**

	Programs Available	Program Length (*Based on meeting Program Entrance Requirements)	Estimated Tuition	Career Options	Salary Range
Certificate Option(s)	Education & Experience Intro to Water Quality in Water Treatment Intro to Water Quality in Wastewater Treatment Mathematics in Water Quality Laboratory Analysis Distribution and Collection Training Water Treatment Wastewater Source Control and Water Audit	6 6 6 8 8 6 6 6 10	\$802 \$802 \$802 \$1058 \$1058 \$802 \$802 \$802 \$1315	Operator, Water Treatment Plant Operator, Wastewater Operator, Waste Water Operator, Waste Water Treatment Plant Operator (WWTP Operator), Wastewater Treatment Plant Operator, Water Operator, Water Plant Operator, Process Operator, SCADA Operator (Supervisory Control and Data Acquisition Operator)	\$ - \$\$\$
Associate Degree(s)	AAS Water Quality Management	64 credits (4 sem)	Approximately \$7800	<a href="#">Operator, Water Treatment Plant Operator, Wastewater Operator, Waste Water Operator, Waste Water Treatment Plant Operator (WWTP Operator),</a>	\$ - \$\$\$

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				<p>Wastewater Treatment Plant Operator, Water Operator, Water Plant Operator, Process Operator, SCADA Operator (Supervisory Control and Data Acquisition Operator, Acting Section Chief, Assistant County Engineer, Director Water and Waste Services, Principal Technologist, Program Manager, Project Manager/Design Manager, Surface Water Manager, Water Reuse Program Manager</p>	
Articulation Opportunities to Advanced Degrees:					
Advanced Degree(s)	<p>Bachelor's Degree Regis: Management/Business emphasis Environmental Science: Metro State University of Denver CSU Global</p>	<p>120+ credits or 8 or more semesters</p>	<p><a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a></p>	<p>Hydrogeologist, National Stormwater Leader, Owner, Consulting Engineer, Owner, Professional Engineer, Research Hydraulic Engineer, Senior Group Manager, Senior Hydrogeologist, Senior Water Resources Engineer, VP-Senior Principal Water Resources Engineer, Water Resources Business Segment Leader, Acting Section Chief, Assistant County Engineer, Director Water and Waste Services, Engineer and Geologist, Principal Consulting Engineer, Principal Technologist, Program Manager, Project Manager/Design Manager, Surface Water Manager, Water Reuse Program Manager</p>	<p>\$ - \$\$\$\$</p>

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	Graduate Degree	Bachelor's Degree + 30 or more graduate level credits	<a href="http://www.collegeincolorado.org">www.collegeincolorado.org</a>		\$- \$\$\$\$
	<a href="#">College Tuition Comparison Guide</a>				

### Extended Learning Experiences

#### Support Structures:

*Childcare facilities, Counseling Services, Tutoring Services, Academic Advising and Career Counseling*

#### Financial Aid:

*Federal Student Loans, Pell Grant, RRCC Foundation Grant*

#### Professional Affiliations

Water for People, American Water Works Association, Water Environmental Foundation, "Get Into Water" and Colorado Rural Water Association

#### Practical Learning Experiences:

State of the art Water Quality Labs; Internships, Apprenticeships

Red Rocks Community College is accredited by the Higher Learning Commission and a member of the North Central Association of Colleges and Schools.

Red Rocks Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. Please direct inquiries to: : Bill Dial, Director of HR, Red Rocks Community College, 13300 W. 6<sup>th</sup> Ave., Lakewood, CO 80228

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\*\*\* *This document is a guide only. It does not act as a legally binding contract.*

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