Red Rocks Community College Water Quality Management Technology Bachelors of Applied Science Guided Pathway: True Freshman

Freshman Year

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	

Sophomore Year

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	S	WQM 1019	4	
Analysis				
WQM 2017: Disinfection Techniques	S		4	
Social, Behavioral Science Elective (From	F, S, M		3	
GT-SS1, GT-SS2, GT-SS3 Lists Only)				
COM 1150: Public Speaking	F, S, M	Appropriate placement	3	
		scores		

Junior Year

Course	Offered	Prerequisites	Credits	Grade/Sub Course
WQM 3012: Intro Safe Drinking Water	F		2	
Act OR WQM 3011: Intro Environmental				
Water Acts				

WQM 4021: Environmental Sampling	F	WQM 1019	3
and Containment			
CHE 1012: General Chemistry II OR	F, S, M		4
BIO 1005: Science of Biology			
Arts, Humanities Elective (From GT-AH1,	F, S, M		3
GT-AH2, GT-AH3, GT-AH4 Lists Only)			
General Education Elective	F, S, M		3
WQM 4060: Source Water Management	S		3
WQM 4055: Interrelationships Between	S		3
Humans and Water Ecosystems			
WQM 3045: Principles of Hydrology	S	MAT 1340	3
Social, Behavioral Science Elective (From	F, S, M		3
GT-SS1, GT-SS2, GT-SS3 Lists Only)			
General Education Elective	F, S, M		3

Senior Year

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	