

Name:

Water Quality Bachelors of Applied Science Course Checklist

General Education Requirements-GT pathways (37 Credits)

Course Number and Title	Credits	Grade
CHE 111: General College Chemistry I	5	
MAT 121: College Algebra	4	
ENG 121: English Composition 1	3	
ENG 122: English Composition 2	3	
COM 115: Public Speaking	3	
CHE 112: General Chemistry II OR BIO 105: Science of Biology	4	
Arts and Humanities Elective (From GT-AH1, GT-AH2, GT-AH3, GT-AH4 Lists Only)	3	
Arts and Humanities Elective (From GT-AH1, GT-AH2, GT-AH3, GT-AH4 Lists Only)	3	
Social and Behavioral Science Elective (From GT-SS1, GT-SS2, GT-SS3 Lists Only)	3	
Social and Behavioral Science Elective (From GT-SS1, GT-SS2, GT-SS3 Lists Only)	3	
History Elective (From GT-HI1 List Only)	3	

Lower Division Water Quality Management Courses (30 credits)

Course Number and Title	Credits	Grade
WQM 100: Introduction to Water Quality	3	
WQM 119: Basic Water Quality Analysis (Pre-requisite: ENG 121)	4	
WQM 120: Equipment Maintenance	4	
WQM 126: Safety and Security Systems	3	
WQM 200: Hydraulics (Pre-requisite: MAT 121)	4	
WQM 206: Design Interpretations	4	
WQM 216: Bio/Bacteriological Analysis (Pre-requisite: WQM 119)	4	
WQM 217: Disinfection	4	

Upper Division Water Quality Management Courses (30 credits)

Course Number and Title	Credits	Grade
WQM 311: Intro to Environmental Acts	2	
WQM 312: Intro to Safe Drinking Water Act	2	
WQM 345: Principles of Hydrology (Pre-requisite: MAT 121)	3	
WQM 421: Environmental Sampling/Containment (Pre-requisite: WQM 119)	3	
WQM 460: Source Water Management	3	
WQM 445: Water Toxicity Impacts on the Environment and Human Health (Pre-requisite: CHE 111 AND BIO 105 or CHE 112)	4	
WQM 455: Interrelationships Between Humans and Water Ecosystems	3	
WQM 427: Managing Water Projects	3	
WQM 327: Water Industry Management	3	
WQM 428: Water Data Management and Analysis	3	
WQM 489 OR WQM 480: Senior Internship or Capstone (Pre-requisite: Senior Status, or 90 credits toward BAS degree completed)	3	

