Water Resources Management Degree Program Examples

The tables below show some of the ways in which a student can tailor the Water Resources Management curriculum to fit their interests and needs.
Each of the six examples listed here were completed by WRM students.

Example 1 **Area Specialty: Limnology**

Undergraduate Major: Ecology

Category A - Natural Science and Technology	
Biological Systems Engineering 571	Small Watershed Engineering
Civil & Environmental Engineering (CEE) 414	Hydrologic Design
Geology 627	Hydrogeology
Category B - Water Resources Institutions and Public Decision Making Processes	
Journalism 315	Science and Technology Journalism
Environmental Studies (EnvSt) 900	Global Water Policy
Rural Sociology 748	Environmental Sociology
Category C - Analytical & Design Tools in Water Resources	
Statistics 571	Statistical Methods for Bioscience
CEE 619	Restoration Hydrology
Area Specialty	
CEE 315	Hydrology
CEE 501	Water Analysis
CEE 503	Water Analysis Laboratory
Zoology 515	Plankton Ecology
Zoology 516	Plankton Ecology Laboratory
EnvSt 361	Wetlands Ecology
EnvSt 718	Water Resources Management Practicum Planning Seminar

Example 2 **Area Specialty: Watershed Management**

Undergraduate Major: Mathematics

Category A - Natural Science and Technology	
Geology 627	Hydrogeology
Zoology 315	Limnology-Conservation of Aquatic Resources
Zoology 316	Limnology Laboratory
Civil & Environmental Engineering (CEE) 501	Water Analysis
CEE 503	Water Analysis Laboratory
Category B - Water Resources Institutions and Public Decision Making Processes	
Law 848	Environmental Law and Institutions
Urban & Regional Planning (URPL) 843	Land Use and Policy Planning
AgEconomics 431	Natural Resources Economics
Environmental Studies (EnvSt) 860	Environmental Information and Education Programs
Category C - Analytical & Design Tools in Water Resources	
Statistics 311	Introduction to Mathematical Statistics
Geology 729	Field Applications in Hydrogeology
EnvSt 655	Computerized Land Information Systems
Area Specialty	
URPL 865	Water Resources Institutions and Policies
EnvSt 900	Global Water Supply Issues
Biological Systems Engineering 571	Small Watershed Engineering
CEE 819	Watershed Monitoring and Assessment
EnvSt 710	Field Investigations in Wetland Ecology
EnvSt 718	Water Resources Management Practicum Planning Seminar

Water Resources Management Degree Program Examples

The tables below show some of the ways in which a student can tailor the Water Resources Management curriculum to fit their interests and needs.
Each of the six examples listed here were completed by WRM students.

Example 3 **Area Specialty: Watershed Management and Restorations**

Undergraduate Major: Biology

Category A - Natural Science and Technology	
Geography/Geology 326	Landforms-Topics and Regions
Zoology 315	Limnology-Conservation of Aquatic Resources
Oncology 545	Industrial and Environmental Biotechnology
Soil 325	Soil Morphology, Classification, and Mapping
Category B - Water Resources Institutions and Public Decision Making Processes	
Law 848	Environmental Law and Institutions
Urban and Regional Planning (URPL) 865	Water Resources Institutions and Policies
Economics 343	Environmental Economics
Category C - Analytical & Design Tools in Water Resources	
Geography 325	Analysis of the Physical Environment
CEE 819	Special Topics in Hydrology: Field Studies for Watershed Restoration
Area Specialty	
Landscape Architecture (LA) 666	Design & Management-Native Plant Communities
LA 651	Advanced LA Design and Construction
Environmental Studies (EnvSt) 900	Seminar-Restoring Nature
EnvSt 699	Directed Study-Wetlands Hydrology, Monitoring, and Restoration
Biological Systems Engineering 571	Small Watershed Engineering

Example 4 **Area Specialty: Wetland Ecology and Management**

Undergraduate Major: Environmental Studies and Chemistry

Category A - Natural Science and Technology	
Biological Systems Engineering 571	Small Watershed Engineering
Civil and Environmental Engineering (CEE) 501	Water Analysis
CEE 503	Water Analysis Laboratory
Chemistry 561	Physical Chemistry
Category B - Water Resources Institutions and Public Decision Making Processes	
Law 848	Environmental Law and Institutions
Urban & Regional Planning (URPL) 843	Land Use and Policy Planning
Environmental Studies (EnvSt) 361	Wetlands Ecology
Category C - Analytical & Design Tools in Water Resources	
Journalism 315	Science and Technology Journalism
CEE 819	Special Topics in Hydrology: Watershed Monitoring and Assessment
Area Specialty	
EnvSt 710	Field Investigations in Wetland Ecology
Botany 401	Vascular Plants of Wisconsin
Soil Science 301	Soil Science
Geography/Geology 326	Landforms-Topics and Regions

Water Resources Management Degree Program Examples

The tables below show some of the ways in which a student can tailor the Water Resources Management curriculum to fit their interests and needs.
Each of the six examples listed here were completed by WRM students.

Example 5 **Area Specialty: Urban and Regional Planning**

Undergraduate Major: Political Science and English

Category A - Natural Science and Technology	
Biological Systems Engineering 571	Small Watershed Engineering
Soil 315	Soil Science for Land Use Planning
Environmental Studies (EnvSt) 710	Field Investigations in Wetland Ecology
Civil & Environmental Engineering (CEE) 414	Hydrologic Design
Category B - Water Resources Institutions and Public Decision Making Processes	
Law 845	Water Rights Law
AgEconomics 431	Natural Resources Economics
Rural Sociology 541	Social Behavior and Natural Resources
Category C - Analytical & Design Tools in Water Resources	
EnvSt 461	Environmental Systems Concepts
EnvSt 377	Introduction to Geographic Information Systems
Area Specialty	
Urban and Regional Planning (URPL) 922	Urban Design Workshop
URPL 734	Regional Economic Problem Analysis
URPL 969	Alternative Dispute Resolution
URPL 865	Water Resources Institutions and Policies
URPL 843	Land Use and Policy Planning

Example 6 **Area Specialty: Information & Education Programs, Dispute Resolution, & Environmental Writing**

Undergraduate Major: Social Science

Category A - Natural Science and Technology	
Zoology 315	Limnology-Conservation of Aquatic Resources
Zoology 316	Limnology Laboratory
Zoology 510	Ecology of Fishes
Environmental Studies (EnvSt) 710	Field Investigations in Wetland Ecology
Category B - Water Resources Institutions and Public Decision Making Processes	
Urban and Regional Planning (URPL) 865	Water Resources Institutions and Policies
Law 848	Environmental Law and Institutions
Environmental Studies (EnvSt) 860	Environmental Information and Education Programs
Category C - Analytical & Design Tools in Water Resources	
Statistics 301	Introduction to Statistical Methods
Statistics 302	Introduction to Statistical Methods II
Area Specialty	
EnvSt 900	Global Water Supply Issues
CEE 819	Watershed Monitoring and Assessment
EnvSt 377	Introduction to Geographic Information Systems
URPL 969	Alternative Dispute Resolution
Zoology 955	Special Topics: Lakes and Society
Journalism 315	Science and Technology Journalism