

# WATER TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

**(67-68 credits)**

## A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

NOTE: Students must receive a final grade of C- or better in all required WATR courses/Technical Requirements and achieve a cumulative grade-point average of at least 2.0. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 67 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Semester 1		Credits
WATR 120	Introduction to Water Systems	3
WATR 130	Wastewater Collection and Basic Treatment Systems	3
WATR 140	Applied Water and Wastewater Math I	3
WATR 160	Systems Maintenance	4
WATR 180	Water Chemistry	3
CHEM 1111	Foundations of Chemistry	
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors (or any higher level CHEM course of 3 or more credits)	
WATR 182	Water Chemistry Analysis	1
<b>Credits</b>		<b>17</b>

Semester 2		Credits
Area I: Communications – English Composition Level 1		4
ENGL 1110G	Composition I	
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required.		3-4
Area III: Laboratory Sciences		
Area IV: Social/Behavioral Sciences		
Area V: Humanities		
Area VI: Creative and Fine Arts		
WATR 175	Programmable Logic Controllers	2
WATR 190	Water and Wastewater Microbiology	3
WATR 192	Water and Wastewater Microbiological Analysis	1
WATR 220	Water Treatment Systems	3
WATR 222	Water Systems Operation	1
<b>Credits</b>		<b>17-18</b>

Semester 3		Credits
WATR 200	Internship (3-5 credits)	3
<b>Credits</b>		<b>3</b>
Semester 4		Credits
General Education Elective – Area I: Communications - Oral Communications		3
COMM 1115G	Introduction to Communication	
WATR 230	Advanced Wastewater Treatment	4
WATR 232	Wastewater Systems Operations	1
WATR 240	Advanced Water and Wastewater Math II	3
Choose one from the following:		6
WATR 285 & WATR 287	High Purity Water Treatment Systems and Advanced Water Chemistry Analysis	
WATR 290 & WATR 292	Advanced Wastewater Microbiology and Chemistry and Advanced Wastewater Analysis	
<b>Credits</b>		<b>17</b>
Semester 5		Credits
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required.		3
Select one course from different NM General Education Areas III, IV, V, and VI. A total of 3 courses from different areas are required.		3
WATR 250	Municipal Systems Management	4
WATR 275	Certification Review	3
<b>Credits</b>		<b>13</b>
<b>Total Credits</b>		<b>67-68</b>