

# WATER TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE

## Doña Ana Community College 2024-2025 Catalog (67-68 credits)

NOTE: Students must earn 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 (67-68 of credits listed for degree). 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.

Prefix	Title	Credits
<b>General Education</b>		
<i>Select one course from four of the following six content areas for a total of 12-14 credits</i> <sup>1,2</sup>		12-14
This degree requires courses from Area I; students must select three courses from the remaining areas to complete General Education requirements.		
Area I: Communication		
ENGL 1110G	Composition I <sup>3</sup>	
Area II: Mathematics		
Area III: Laboratory Sciences <sup>2,3</sup>		
Area IV: Social/Behavioral Sciences <sup>2,3</sup>		
Area V: Humanities <sup>2,3</sup>		
Area VI: Creative and Fine Arts <sup>2,3</sup>		
<b>General Education Elective</b>		
COMM 1115G or COMM 1130G	Introduction to Communication <sup>3</sup> Public Speaking	3
<b>Major Requirements</b>		
<b>Technical Requirements</b>		
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 175	Programmable Logic Controllers	2
WATR 182	Water Chemistry Analysis	1
WATR 190	Water and Wastewater Microbiology	3
WATR 192	Water and Wastewater Microbiological Analysis	1
WATR 200	Internship	3
WATR 220	Water Treatment Systems	3
WATR 222	Water Systems Operation	1
WATR 230	Advanced Wastewater Treatment	4
WATR 232	Wastewater Systems Operations	1
WATR 240	Advanced Water and Wastewater Math II	3
WATR 250	Municipal Systems Management	4

WATR 275	Certification Review	3
Choose one from the following:		3
WATR 180	Water Chemistry	
CHEM 1111	Basic Chemistry <sup>3</sup>	
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors) <sup>3</sup>	
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors (or any higher level CHEM course of 3 or more credits) <sup>3</sup>	
Select 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>Total Credits</b>		<b>67-68</b>

- <sup>1</sup> Each course selected must be from a different area and students cannot take multiple courses in the same area.
- <sup>2</sup> See the General Education (<https://catalogs.nmsu.edu/dona-ana/general-education-and-transfer-options/transfer-new-mexico-institutions/>) section of the catalog for a full list of courses.
- <sup>3</sup> Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus.