

## Water Related Undergraduate Courses at NMSU

College, Department, and Program	Course Number	Course Title	Credits
<b>College of Agriculture and Home Economics</b>			
<b>Department of Agricultural and Extension Education</b>	AXED 485	Agriscience and Technology Education Laboratory/Applications	2-3
<b>Department of Animal and Range Sciences</b>	RGSC 318	Watershed Management	3
<b>Department of Entomology, Plant Pathology, and Weed Science</b>	EPWS 435 EPWS 420	Aquatic and Immature Insects Environmental Fate of Pesticides	3 3
<b>Department of Plant and Environmental Sciences</b>			
Environmental Science	E S 110G	Introductory Environmental Science	3
Soil	SOIL 424 SOIL 456 SOIL 477 SOIL 477L SOIL 479	Soil Chemistry Irrigation and Drainage Soil Physics Soil Physics Laboratory Environmental Soil Chemistry	3 3 3 1 3
<b>Department of Fishery and Wildlife Sciences</b>			
	WLSC 432	Environmental Biology of Fishes	4
	WLSC 434	Aquatic Contaminants and Toxicology	4
	WLSC 440	Fish and Wildlife Habitat Management	4
	WLSC 458	Ecology of Inland Waters	3
	WLSC 458L	Ecology of Inland Waters Laboratory	1
	WLSC 465	Advanced Management of Aquatic Systems	3
	WLSC 482	Ichthyology	3
<b>College of Arts and Sciences</b>			
<b>Department of Biology</b>			
	BIOL 201	The Local Environment	3
	BIOL 477	Applied and Environmental Microbiology	4
<b>Department of Chemistry and Biochemistry</b>			
Chemistry	CHEM 422 CHEM 472	Environmental Chemistry Analytical Methods for Toxic Organics and Metal Ions in the Environment	3 3
Toxicology	TOX 361 TOX 423	Basic Toxicology Environmental Toxicology	3 3
<b>Department of Geography</b>			
Geography	GEOG 109 GEOG 111G GEOG 353 GEOG 353 GEOG 467	The Atmosphere and Hydrosphere Geography of the Natural Environment Geomorphology Fluvial and Environmental Geomorphology Transportation Geography	3 4 3 3 3
Planning	PLAN 275 PLAN 351 PLAN 465	Environmental/Water Management Environmental Planning Public Land Analysis	3 1-3 3

<b>Department of Geological Sciences</b>	GEOL 205	Geology of Landforms	3
	GEOL 212	The Dynamic Earth	3
	GEOL 474	Groundwater Geology	3

<b>Department of Government</b>	GOVT 424	Environmental Policy	3
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<b>Department of Philosophy</b>	PHIL 322	Environmental Ethics	3
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### College of Business Administration and Economics

<b>Department of Economics and International Business</b>	ECON 384G	Water Resource Economics	3
	ECON 455	Public Utilities Regulation	3

<b>Department of Finance</b>	FIN 325	Real Estate Principles and Law I	3
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### College of Education

<b>Department of Curriculum and Instruction</b>	EDUC 161	Project Wild	1
	EDUC 162	Project WET	1

### College of Engineering

#### Department of Civil and Geological Engineering

Agricultural Engineering	A EN 372	Landscape Irrigation Design	3
	A EN 459	Design of Water Wells/Pumping Systems	3
	A EN 475	Soil and Water Conservation	3
	A EN 476	Conservation Engineering	1
	A EN 478	Irrigation and Drainage Engineering	3
	A EN 479	Irrigation Systems Design and Management	3

Civil Engineering	C E 231	Introduction to Fluid Mechanics	3
	C E 256	Environmental Science	3
	C E 256L	Environmental Science Laboratory	1
	C E 330	Environmental Management Seminar I	1
	C E 331	Hydraulic Engineering	3
	C E 356	Fundamentals of Environmental Engineering	3
	C E 382	Hydraulic Systems Design	3
	C E 430	Environmental Management Seminar II	1
	C E 482	Hydraulic Structures	3
	C E 483	Surface Water Hydrology	3
	C E 485	Design of Earth Dams	3

Environmental Engineering	ENVE 456	Environmental Engineering Design	3
	ENVE 462	Sampling and Analysis of Environmental Contaminants	3

Geological Engineering	G EN 451	Subsurface Methods	3
	G EN 452	Geohydrology	3
	G EN 460	Site Investigations	2
	G EN 485	Earthen Dam Design	3

<b>Department of Chemical Engineering</b>	CH E 131	Introduction to Environmental Management	3
	CH E 305	Transport Operations I: Fluid Flow	3
	CH E 422L	Unit Operations and Process Control Laboratory	2
	CH E 425	Novel Commercial Separation Techniques	3
	CH E 432	Chemical Engineering Applications to Environmental Clean-Up	3
	CH E 435	Industrial Waste Treatment and Environmentally Benign Manufacturing	3
	CH E 436	Environmental Process Design I	3
	CH E 437	Environmental Process Design II	3

<b>Department of Engineering Technology</b>	E T 115	Introduction to Environmental Technology	3
	E T 248	Basic Hydrogeology	3
	E T 261	Environmental Laws and Regulations	3

	E T 275	Environmental Monitoring	4
	E T 308	Fluid Technology	3
	E T 308L	Fluid Technology Lab	1
	E T 321	Water and Wastewater Treatment Technology	3
	E T 390	Environmental Technology	3
	E T 418	Applied Hydraulics	3
<b>Department of Mechanical Engineering</b>	M E 338	Fluid Mechanics	3
<b>Department of Surveying Engineering</b>	SUR 412	Advanced Topics in Boundary Surveying	3
<b>A Consortium for Environmental Education and Technology Development (WERC)</b>	WERC 200	Introduction to Environmental Fundamentals	3
	WERC 300	Introduction to Pollution Prevention and Its Application	3
	WERC 330	Environmental Management Seminar I	1
	WERC 350	Introduction to Energy, Environment and Risk Assessment	3
	WERC 430	Environmental Management Seminar II	1

### **Dona Ana Community College - NMSU Campus**

<b>Occupational Education, Water Technology</b>	OEJU 120	Introduction to Water Systems	3
	OEJU 130	Wastewater Collection and Basic Treatment Systems	3
	OEJU 135	Sludge Handling	2
	OEJU 140	Applied Water and Wastewater Math I	3
	OEJU 160	Systems Maintenance	4
	OEJU 165	Backflow Prevention	3
	OEJU 170	Confined Space Entry	2
	OEJU 180	Water Chemistry	3
	OEJU 182	Water Chemistry Analysis	1
	OEJU 190	Water and Wastewater Microbiology	3
	OEJU 191	Biological Treatment Control Testing	4
	OEJU 192	Water and Wastewater Microbiological Analysis	1
	OEJU 220	Water Treatment Systems	3
	OEJU 222	Water Systems Operation	1
	OEJU 230	Advanced Wastewater Treatment	4
	OEJU 232	Wastewater Systems Operations	1
	OEJU 240	Advanced Water and Wastewater Math II	3
	OEJU 250	Municipal Systems Management	4
	OEJU 257	Industrial Pretreatment	3
	OEJU 275	Certification Review	3
	OEJU 285	High Purity Water Treatment Systems	3
	OEJU 286	Advanced High Purity Water Systems Operation	3
OEJU 287	Advanced Water Chemistry Analysis	3	
OEJU 290	Advanced Wastewater Microbiology and Chemistry	3	
OEJU 292	Advanced Wastewater Analysis	3	