

MS in Civil Engineering: Water Resources/Environmental Emphasis
Course Offerings (updated April 2024)

Course No	Course Title	Credit Hours	Semester Offered
CE 414	Engineering Applications of GIS	3	F
CE 431	Hydrology	3	F
CE 433	Hydraulic Engineering	3	W
CE 439	Water Resources Study Abroad	3	W/Sp
CE 514	Geospatial Environmental Engineering	3	W
CE 531	Principles of Hydrologic Modeling	3	F
CE 532	Urban Water Infrastructure	3	F
CE 533	Advanced Hydraulic Routing	3	W
CE 534	Hydroinformatics	3	F
CE 535	Open-Channel Design	3	W
CE 540	Geo-environmental Engineering	3	W
CE 544	Seepage and Slope Stability	3	F
CE 547	Groundwater Modeling	3	F
CE 551	Water and Wastewater Treatment Design	3	W
CE 555	Environmental Chemistry	3	F
CE 560	Climate and Air Quality Impacts of Transportation Systems	3	F
CE 594R	Water Policy	3	W
CE 594R	Google Earth Engine	3	W
CE 594R	Data Science for Engineers	3	W
STAT 511	Statistical Methods for Research 1	3	F

For further information contact:

Dr. Ames:	Hydrology, hydroinformatics, GIS
Dr. Hotchkiss:	Hydraulics, sediment transport
Dr. Jones:	Groundwater
Dr. Nelson:	Hydrology, hydroinformatics
Dr. Miller:	Hydrology
Dr. Sonntag:	Air quality
Dr. Sowby:	Water infrastructure, sustainability, treatment
Dr. Williams:	Water quality, solid waste