

# University of Utah

## Department of Civil & Environmental Engineering

### Water & Environmental

Approved Elective Courses		Even Spring	Even Fall	Odd Spring	Odd Fall
ATMOS 6040	Environmental Statistics			x	
ATMOS 6050	Environmental Instrumentation	x			
CH EN 6205	Smart Systems			x	
CH EN 6305	Air Pollution Control Engineering	x		x	
CH EN 6310	Concepts and Applications in Renewable Energy		x		
CH EN 6355	Computational Fluid Dynamics			x	
ECON 6250	Environmental and Natural Resource Economics				x
GEOG 5290	Water in Utah	Meeting pattern unknown.			
GEOG 6000	Advanced Geographical Data Analysis		x		x
GEOG 6110	Environmental Analysis Through Remote Sensing	x		x	
GEOG 6150	Spatial Database Design for GIS		x		x
GEOG 6180	Geoprocessing with Python		x		x
GEO 6350	Groundwater		x		x
GEO 6370	Environmental Contaminants		x		x
GEO 6385	Introduction to Groundwater Modeling	x		x	
GEO 6390	Solute Transport and Subsurface Remediation	x		x	
GEO 6650	Hydrology		x		x
LAW 7230	Water Law				x
LAW 7240	Environmental Law & Policy			x	x
ME EN 6740	Wind Energy	Meeting pattern unknown.			
ME EN 6750	Environmental Instrumentation	x			
ME EN 6800	Sustainable Energy		x		x
ME EN 7710	Environmental Fluid Dynamics	Meeting pattern unknown.			
POLS 6870	Environmental Justice	Meeting pattern unknown.			
SOC 6840	Environmental Sociology	x			

- Any CVEEN 6xxx or 7xxx course approved by the student's supervisory committee.
- Appropriate courses not listed may be approved for elective credit by the student's supervisory committee.
- Please note, for CVEEN 6930: Independent Study, the proposal must be submitted to the Graduate Committee Four+ weeks prior to the start of the intended term of enrollment. The faculty responsible for overseeing the independent study may not be the student's committee chair.

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Core Courses		Even Spring	Even Fall	Odd Spring	Odd Fall
CVEEN 5410	Engineering Hydrology		x		x
CVEEN 5420	Open Channel Flow	x		x	
CVEEN 6430	Stormwater Management and Design				x
CVEEN 6440	Drinking Water Treatment and Distribution			x	
CVEEN 6470	Surface Water Quality Prediction and Assessment		x		
CVEEN 6480	Water Resources Planning and Management			x	
CVEEN 6600	Hazardous and Radioactive Waste Management	x			
CVEEN 6605	Water and Wastewater Treatment Design		x		x
CVEEN 6610	Environmental Engineering Chemistry #		x		x
CVEEN 6650	Design of Biological Treatment Processes #		x		
CVEEN 6555	Engineering Research and Seminar		x		x
CVEEN 6755	Environmental Regulations	TBD			
CVEEN 6920	Advanced Topics (in the area of water or environmental) *		x		
CVEEN 6930	Advanced Independent Study *	x	x	x	x
CVEEN 7410	Flood Modeling and Simulation	x			
CVEEN 7420	Groundwater Hydraulics	TBD			
CVEEN 7430	Advanced Subsurface Hydrologic Modeling	x			
CVEEN 7450	Carbon Sequestration Engineering and Science	TBD			
CVEEN 7460	Hydroinformatics		x		x
CVEEN 7620	Physical and Chemical Treatment Processes for Water Quality Control	x			
CVEEN 7630	Lab and Field Methods for Environmental Investigations	TBD			
CVEEN 7660	Water Reuse	x			
Elective courses listed on reverse side.					

# Required of all students in the environmental area

\* CVEEN 6920, special topics courses that are not in the Water/ Environmental area will need to be petitioned to the student's supervisory committee to be counted towards the required core courses.

