

MINOR IN NATURAL GAS AND WATER RESOURCES

STEM 4895 Senior Thesis (Equivalent course may be taken within CSTEM department degree programs) 3

Total Semester Hours 18-21

COURSE	TITLE	S.H.
Required Core Courses		
GEOL 2620	Intro to Natural Gas and Water Resources	3
ENST 2600 & 2600L	Foundations of Environmental Science and Foundations of Environmental Science Laboratory	4
STEM 2625	Natural Gas and Water Resources Seminar	1
A. Water Resources and Environmental Management		
Select at least 3 s.h. from group A:		3
BIOL 4801 & 4801L	Environmental Microbiology and Environmental Microbiology Laboratory	
BIOL 5888	Environmental Biotechnology	
CCET 3724	Hydraulics and Land Development	
CCET 4824	Environmental Technology	
CEEN 3736	Fundamentals of Environmental Engineering	
CHEM 2604 & 2604L	Quantitative Analysis and Quantitative Analysis Laboratory	
CHEM 3719 & 3719L	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	
CHEM 4860	Regulatory Aspects of Industrial Chemistry	
CHEM 5804 & 5804L	Chemical Instrumentation and Chemical Instrumentation Laboratory	
ENST 3700 & 3700L	Environmental Chemistry and Environmental Chemistry Lab	
CEEN 3751 & 3751L	Water Quality Analysis and Water Quality Analysis Lab	
OR		
ENST 3751 & 3751L	Water Quality Analysis and Water Quality Analysis Lab	
ENST 3781	Environmental Sampling Methods	
ENST 5860	Environmental Regulations ()	
	or AHLT 5816 Environmental Regulations	
GEOG 3735	Water in the Earth System	
GEOL 4804	Ground Water	
GEOL 5817	Environmental Geochemistry	
B. Natural Gas Production		
Select at least 3 s.h. from group B:		3
ACCT 3730		
AHLT 4808	Environmental Health Concerns	
CEEN 3716 & 3716L	Fluid Mechanics and Fluid Mechanics Lab	
OR		
MECH 3720 & 3720L	Fluid Dynamics and Fluid Dynamics Laboratory	
OR		
MET 3714 & 3714L	Fluid Mechanics and Fluid Mechanics Laboratory	
CHEN 2688	Energy Assessment	
GEOL 3709	Subsurface Investigations	
GEOL 4825	Geophysical Well Log Analysis	
ISEN 3736	Methods Engineering	
ISEN 3736L	Methods Engineering Laboratory	
Natural Gas and Water Resources Applications		
STEM 4890	STEM Internship	1-4