



MS in Engineering and Public Policy with Concentration in Infrastructure and Resilience with Graduate Certificate in Engineering Leadership

Students pursuing this degree must complete 16 Semester Hours of Gordon Program coursework and 20 Semester Hours of coursework in Engineering and Public Policy.

Plan of Study

All students will complete the following required Gordon Engineering Leadership coursework

Gordon Engineering Leadership Program (16 Semester Hours Total)

ENLR 5121	Engineering Leadership 1	2
ENLR 5122	Engineering Leadership 2	2
ENLR 5131	Scientific Principles of Engineering 1	2
ENLR 5132	Scientific Principles of Engineering 2	2
ENLR 7440	Engineering Leadership Challenge Project 1	4
ENLR 7442	Engineering Leadership Challenge Project 2	4

Students will also complete coursework listed below

Infrastructure Resilience

CIVE 7110	Critical Infrastructure Resilience	4
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Environmental Systems Modeling (Complete 4 semester hours from the following)

CIVE 5275	Life Cycle Assessment of Materials, Products, and Infrastructure	4
CIVE 5261	Dynamic Modeling for Environmental Investment and Policy Making	
CIVE 5280	Remote Sensing of the Environment	
CIVE 7388	Special Topics in Civil Engineering (Agent-Based Modeling)	
CIVE 7392	Special Topics in Environmental Engineering (Agent-Based Modeling)	

Economics (Complete 4 semester hours from the following)

ECON 7210	Applied Microeconomic Policy Analysis	4
LPSC 6313	Economic Analysis for Law, Policy, and Planning	

Public Policy and Analysis (Complete 4 semester hours from the following)

LPSC 7311	Strategizing Public Policy	4
PPUA 6506	Techniques of Policy Analysis	
PPUA 6509	Techniques of Program Evaluation	

Statistics (Complete 4 semester hours from the following)

CIVE 7100	Applied Time Series and Spatial Statistics	4
IE 6200	Engineering Probability and Statistics	
IE 7280	Statistical Methods in Engineering	
LPSC 7215	Advanced Quantitative Techniques	

Contact

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