

Eastern Illinois University Master of Science in Sustainable Energy

& Professional Science Master's in Geographic Information Sciences (GIS) Dual Degree Course Checklist

✓	Master of Science in Sustainable Energy	Hours	Semester	Grade	✓	Professional Science Master's in Geographic Information Sciences	Hours	Semester	Grade
	Required Courses					Required Courses			
	BIO 5333 - Bioenergy and Bioresources (option for BIO and CHM majors)								
	BIO 5203 - Environmental and Biological Sustainability (option for non-BIO majors)								
	CHM 5007 - Energy Chemistry								
	PHY 5233 - Energy and the Environment								
	TEC 5533 - Biomass Gasification								
						GEG 5810 - Geographic Information Systems I			
						GEG 5820 - Remote Sensing I			
						GEG 5860 - Geographic Information Systems II			
	TEC 5103 - Science and Technology of Leadership, or								
	TEC 5133 - Total Quality Systems, <i>or</i>								
	MBA 5660 - Operations Management								
						MBA 5010 - Accounting from a Management Perspective, or			
	MBA 5001 - Business Operations in Sustainable Energy Facilities,					MBA 5001 - Business Operations in Sustainable Energy Facilities			
	MBA 5680 — Organizational Behavior and Group Dynamics					MBA 5680 — Organizational Behavior and Group Dynamics,			
	TEC 5143- Research in Technology								

✓	Master of Science in Sustainable Energy	Hours	Semester	Grade	1	Professional Science Master's in Geographic Information Sciences	Hours	Semester	Grade
	CMN/ENG 5260 - Communication in Science and Technical Organizations								
	CERE 5953 - Sustainable Energy Research								
						Elective Set 1: Statistics Requirement (3 credit hrs.)			
						BIO 4750 - Biometrics			
						BIO 4820 - Spatial Analysis for Environmental Sciences			
						BIO 5381 - Advanced Biostatistics			
						Elective Set 2: Concentration Requirement (minimum 11 credit hrs.)			
						BIO 4820 - Spatial Analysis for Environmental Sciences			
						BIO 4840 - Resource Management and Environmental Assessment			
						BIO 5380 - Landscape Ecology			
						GEG 5830 - GIS: Building Geodatabases			
						GEG 5850 – GPS: Mapping the Modern Way			
						GEG 5870 - Remote Sensing II			
	PLS 5843 - Seminar in Public Policy, or					PLS 5843 - Seminar in Public Policy, or			
	ECN 5411 - Seminar in Natural Resource and Environmental Economics, or ECN-5163 Subnational Government	-				ECN 5411 - Seminar in Natural Resource and Environmental Economics			
						Required Experimental Component: Internship (up to 6 credit hrs.)			
						BIO 5980 - Graduate Internship in Biological Sciences			

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						ECN 5980 - Internship in Economics			
						GEG 5980 – Geography Internship			
						PLS 5980 - Administrative Internship			
						TEC 5980 - Industrial Internship in the Technologies			
	CERE 5983 - Sustainability Practicum					CERE 5983 - Sustainability Practicum			