Draft Proposed EWN Graduate Program Curriculum Legend

| Prerequisite intro course (may require further preqs depending on BS degree discipline) | Required graduate course | Elective graduate course | Required graduate laboratory | Independent study course |
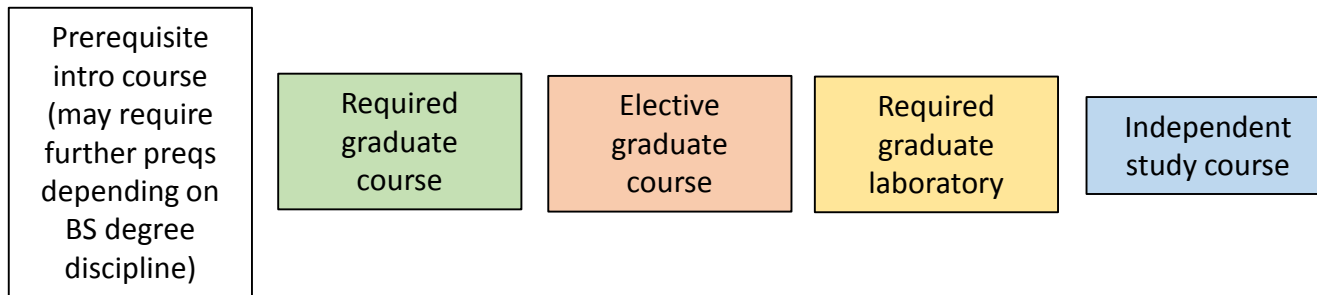
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Fish and wildlife biology	Coastal ecology	Coastal habitat field data collection and analysis	Habitat community modeling and evaluation	Coastal ecosystem goods and services modeling	Coastal resources policy and planning
Aquatic plant biology	Coastal ecosystem sustainability and resilience	Coastal biophysical process laboratory	Fish and wildlife behavior modeling	Environmental contaminant toxicology	Coastal science and engineering seminar
Biochemistry	Ecological water quality modeling	Coastal physical process field data collection and analysis	Coastal ecosystem geospatial analysis	Environmental remediation	Public outreach and communication
Soil science	Mechanics of biotic materials				Ecoengineering project management
Weather and climatology	Engineering Geology	Geosynthetics engineering and design	Coastal ecosystem engineering and design	Coastal biophysical data modeling and first principles numerical methods	
Statics	Advanced soil mechanics				Coastal ecosystem planning and design project
Fluid mechanics			Coastal structures engineering and design		
Mechanics of materials	Coastal hydrology and hydraulics	Coastal geomorph-ological modeling		Coastal project cost estimating	Masters thesis
Soil mechanics					
Engineering economics	Coastal sediment transport	Earth structures	Dredging engineering	Coastal project construction management	Dissertation research
Coastal physical processes					

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