

Example Core Competency Courses

Green Design and Technology Development	Environmental Impacts	Implementation Drivers
ChemE 295F – Battery Technologies	CE211B -Environmental and Biological Processes	LAW247 – Energy and Infrastructure Project Financing
CHEE295L - Implications and Applications of Synthetic Biology	CE217 - Environmental Chemical Kinetics	MBA290T/ENG298A/INFO290 – Energy, Sustainability, and Business Innovation
CHENG295Q - Advanced Topics in New Product Development	CE218C - Air Pollution Modeling	MBA292T - Metrics of Sustainability
CHEE256K - Current Topics in Metabolic Engineering	ERG205 - Quantitative Methods for Ecological and Environmental Modeling	ESPM256 - Science, Technology, and the Politics of Nature
CHEM230 - Protein Chemistry, Enzymology and Bio-organic Chemistry	PH271 - Reproductive Hazards of Industrial Chemicals	PH220C - Health Risk Assessment, Regulation & Policy
NST220 - Molecular Toxicology	PH267B - Characterization of Airborne Chemicals	PPOL279 - Research design/Data Collection for Public Policy Analysis
ESPM148 - Pesticide Chemistry	PH254 - Occupational and Environmental Epidemiology	PPOL282 - Environment and Technology from the Policy and Business Perspective
PLANTBI 222 – Biochemistry of Biofuels: Concepts and Foundations	ESPM233 - Geographic Information Systems for Environmental Science and Management	PH220C - Risk Assessment Policy and Toxics Regulation
MEC ENG 146 - Energy Conversion Principles	ESPM202 - Advanced Natural Resource Sampling	ESPM260 - Governance of Global Production
EE 194 – Power Systems Engineering	CHEM C236 - Carbon Capture and Sequestration	Law 270.6 – Energy Regulation and the Environment
MEC ENG290H Green Product Development: Design for Sustainability	CE268E Civil Systems and the Environment	Law 270.7 Renewable Energy law, Policy and Promise