

GRADUATE STAND-ALONE CERTIFICATE IN SUSTAINABLE ENERGY AND ENVIRONMENTAL MANAGEMENT

The Certificate in Sustainable Energy and Environmental Management (CSEEM) curriculum is a multidisciplinary program with courses taught in schools across Georgia Tech including Public Policy, Business, City and Regional Planning, Civil and Environmental Engineering, and Economics, among others.

Program of Study

Code	Title	Credit Hours
Required courses		
PUBP 6312	Economics of Environmental Policy	3
PUBP 6360	Sustainable Energy & Environmental Management	3
Quantitative Methods course		3
Sustainable Energy and Environmental Management or Policy & Management course		3
Total Credit Hours		12

Code	Title	Credit Hours
Quantitative Methods course list		
PUBP 6114	Applied Policy Methods and Data Analysis	3
PUBP 6120	Cost Benefit Analysis for Policy	3
PUBP 6218	Quantitative Models in Public Policy	3
PUBP 6530	Introduction to Geographic Information Systems	3
PUBP 8200	Advanced Research Methods I	3
PUBP 8205	Advanced Research Methods II	3
PUBP 6352	Utility Regulation and Policy	3
PUBP 8751	Big Data and Public Policy	3
PUBP 8803/ISYE 8813	Special Topics (Life Cycle Cost Analysis)	3
CEE 6355	Industrial Ecology in Environmental Engineering	3
CETL 6490	Advanced Environmental Data Analysis	3
CP 6521	Advanced Geographic Information Systems	3
CP 6541	Environmental Analysis Using GIS	3
EAS 6200	Environmental Geochemistry	3
EAS 6500	Climate and Global Change	3
MGT 6203	Data Analytics in Business	3
MGT 6314	Understanding Markets with Data Science	3
MGT 6451	Business Intelligence and Analytics	3
MSE 6759	Materials in Environmentally Conscious Design and Manufacturing	3

Code	Title	Credit Hours
Sustainable Energy & Environmental Management/Policy & Management course list		
Sustainable Energy & Environmental Management courses		
PUBP 6120	Cost Benefit Analysis for Policy	3
PUBP 6300	Earth Systems	3
PUBP 6310	Environmental Issues	3
PUBP 6326	Environmental Values and Policy Goals	3
PUBP 6327	Sustainability and Environmental Policy	3
PUBP 6330	Environmental Law	3
PUBP 6350	Energy Policy & Markets	3
PUBP 6352	Utility Regulation and Policy	3
PUBP 6701	Energy Technology Policy	3
PUBP 8803	Special Topics (Sustainability & Environmental Policy)	3
PUBP 8803	Special Topics (Smart Cities)	3
PUBP 8803	Special Topics (Environmental Finance)	3
AE 8803/4803	Special Topics (Energy Efficiency and Environmental Impacts)	3
ARCH 6531	Environmental Systems I	3
BC 6002	Issues in Sustainable Construction Technology	3
BC 6731	Zero Energy Housing	3
CEE 4160	Smart and Sustainable Cities	3
CEE 4300	Environmental Engineering Systems	3
CEE 4395	Environmental Systems Design Project	3
CEE 4620	Environmental Impact Assessment	3
CEE 6314	Fundamentals of Environmental Modeling and Mathematics	3
CEE 6345	Sustainable Engineering	3
CEE 6390	Air Pollutant Formation and Control	3
CEE 6625	Transportation, Energy, and Air Quality	3
CEE 6790	Air Pollution Physics and Chemistry	3
CHBE 4030/8803	Chemical Engineering of Energy Systems	3
CHBE 6743	Fundamentals and Challenges for a Sustainable Chemical Enterprise	3
CP 6190	Introduction to Climate Change Planning	3
CP 6213	Urb Env Plan & Design	3
CP 6214	Environmental Planning and Impact Assessment	3
CP 6217	Climate Change and the City	3
CP 6233	Sustainable Urban Development	3
EAS 6132	Introduction to Climate Change	3
EAS 6135	Introduction to Complex Environmental Systems	3
EAS 6200	Environmental Geochemistry	3
EAS 6500	Climate and Global Change	3
ECON 6380	Economics of Natural Resources and the Environment	3
ECON 7032	Macroeconomics of Innovation	3
HTS 6116	The Environment in World History	3
INTA 3042	Energy and International Security	3
MGT 6369	Sustainable Business Practicum	3

MGT 6359	Business Strategies For Sustainability	3
Policy & Management courses		
PUBP 6010	Ethics, Epistemology, and Public Policy	3
PUBP 6012	Fundamentals of Policy Processes	3
PUBP 6017	Public Management	3
PUBP 6018	Policy Implementation and Administration	3
PUBP 6116	Microeconomics for Policy Analysis	3
PUBP 6118	Public Finance Policy	3
PUBP 6201	Public Policy Analysis	3
PUBP 6221	Policy and Program Evaluation	3
PUBP 6314	Policy Tools for Environmental Management	3
PUBP 6326	Environmental Values and Policy Goals	3
PUBP 6327	Sustainability and Environmental Policy	3
PUBP 6330	Environmental Law	3
PUBP 6350	Energy Policy & Markets	3
PUBP 6354	Climate Policy	3
PUBP 6701	Energy Technology Policy	3
PUBP 8540	Advanced Environmental Policy	3
PUBP 8803	Special Topics (Sustainability, Technology, & Policy)	3
PUBP 8803/ ISYE 8813	Special Topics (Life Cycle Cost Analysis)	3
CP 6223	Policy Tools for Environmental Management	3
CP 6261	Environmental Law	3