

Natural Resources and Environmental Sciences: Emerging Environmental Challenges

Supplemental Information

All prerequisites must be met

¹University Core Curriculum Humanities Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

²University Core Science, Technology & Society Selective (3 credits)

See approved Humanities list at: <http://www.purdue.edu/provost/initiatives/curriculum/course.html>

³Emerging Environmental Challenges Selective (20 credits)

ABE 32500 Soil and Water Resources Engineering	EAPS 37500 Great Issues-Fossil Fuels, Energy and Society	
ABE 52200 Ecohydrology	EAPS 42100 Atmospheric Thermodynamics	
ABE 52900 Non-point Source Pollution Engineering	EAPS 52000 Theory of Climate	
AGEC 52500 Environmental Policy Analysis	EAPS 52100 Atmospheric Chemistry	
AGRY 12000 Water and Food Security	EPCS 40100 or 40200 Senior Participation in EPICS	
AGRY 33700 Environmental Hydrology	FNR 20100 Marine Biology	
AGRY 33800 Environmental Hydrology Lab	FNR 20300 Freshwater Ecology	
AGRY 34900 Soil Ecology	FNR 30200 Global Sustainability	
AGRY 36500 Soil Fertility	FNR 35100 Aquatic Sampling Techniques	
AGRY 38500 Environmental Soil Chemistry	FNR 35300 Natural Resources Measurement	
AGRY 43100 Atmospheric Thermodynamics	FNR 35700 Fundamental Remote Sensing	
AGRY 45000 Soil Conservation and Water Management	FNR 35900 Spatial Ecology and GIS	
AGRY 53500 Boundary Layer Meteorology	FNR 36500 Natural Resources Issues, Policy, and Administration	
AGRY 46500 Soil Physical Properties	FNR 37500 Human Dimensions of Natural Resources Management	
AGRY 54000 Soil Chemistry	FNR 37010 Natural Resources Practicum	
AGRY 54400 Environmental Organic Chemistry	FNR 48800 Global Environmental Policy	
AGRY 56000 Soil Physics	HSCI 31200 Radiation Science Fundamentals	
AGRY 56500 Soils and Landscapes	HSCI 31300 Principles of Radiation Detection and Measurement	
AGRY 58000 Soil Microbiology	NRES 28000 Hazardous Waste Handling	
AGRY 58500 Soils and Land Use	PHIL 29000 Environmental Ethics	
ANTH 32700 Environment and Culture	POL 32300 Comparative Environmental Policy	
ASM 33600 Environmental Systems Management	POL 32700 Global Green Politics	
ASM 52100 Soil & Water Conservation Management	POL 42300 International Environmental Policy	
CE 35000 Environmental Engineering	POL 42500 Environmental Law and Politics	
CE 35500 Environmental Engineering Sustainability	POL 52300 Environmental Politics and Public Policy	
CE 45600 Water and Waste Water Treatment	SOC 53300 Environmental Sociology	
CE 45700 Air Pollution Control and Design	SFS 30100 Agroecology	
CE 59300 Environmental Geotechnology	SFS 30200 Principles of Sustainability	
CHM 58100 Atmospheric Chemistry	SFS 31100 Aquaponics	
EAPS 30100 Oil!	SFS 31200 Urban Agriculture	
EAPS 32000 Physics of Climate	SFS 31300 Farm to Fork	
EAPS 32700 Climate, Science and Society		

⁴Microeconomics Selectives (3 credits)

AGEC 20300 Introductory Microeconomics for Food and Agribusiness

AGEC 20400 Introductory Microeconomics for Natural Resources

ECON 25100 Microeconomics

⁵Written or Oral Communication Selective (minimum 3 credits)

ENGL 20000 - 59900

AGR 20100 Communicating Across Culture

COM 20000 - 59900

YDAE 44000 Methods of Teaching Agriculture

ASL 10000 - 59900

Education

EMEG Supplemental Information

⁶Ecology Selective (5 credits)

AGRY 34900 Soil Ecology
BIOL 12100 Biology I: Diversity, Ecology, and Behavior
BIOL 28600 Introduction to Ecology and Evolution
BIOL 48300 Environmental and Conservation Biology
BIOL 58500 Ecology
BTNY 21100 Plants and the Environment
BTNY 30200 Plant Ecology
EEE 30000 Environmental and Ecological Systems Modeling
ENTM 31100 Insect Ecology
FNR 20100 Marine Biology
FNR 24100 Ecology and Systematics of Fishes and Mammals
FNR 24150 Ecology and Systematics of Fish, Amphibians, and Reptiles
FNR 25100 Ecology and Systematics of Amphibians, Reptiles, and Birds
FNR 25150 Ecology and Systematics of Mammals and Birds
FNR 35900 Spatial Ecology and GIS
SFS 30100 Agroecology

⁷Humanities and Social Science Selective (9 credits)

See approved list at: https://ag.purdue.edu/oap/pages/core-social_humanities.aspx

⁸Biochemistry, Biology, Chemistry, Mathematics, Physics, or Statistics Selectives (9 credits)

BIOL 28900 Honors Laboratory in Organisms and Population
CHM 32100 Analytical Chemistry I
CHM 33300 Biochemistry
CHM 37200 Physical Chemistry
EAPS 24300 Earth Materials I
EAPS 24400 Earth Materials II
EAPS 30100 Oil!
EAPS 31300 Applied Geomorphology
EAPS 32000 Physics of Climate
EAPS 32700 Climate, Science & Society
EAPS 37500 Great Issues-Fossil Fuels, Energy & Society
MA 26200 Linear Algebra and Differential Equations
STAT 51400 Design of Experiments

****For additional selectives: see approved list at: https://ag.purdue.edu/oap/Pages/core_math-science.aspx#add**