

Environmental Course Offerings for Spring 2021

The list is suggestive not permissive, and not a license to take any particular course to fulfill your major/minor. Approved programs of study in ESTD are individual, and are negotiated between you and the ESTD advisor (McCall). Check with course instructors to assure suitability and permission if you lack prerequisites. Check SIS system for updates on USNA, USSO, USSY courses, which are subject to late additions and deletions. Courses in **Bold** can satisfy ESTD distribution requirements. Consult with ESTD advisor McCall. ESTD 101 (in italic font), open to all and required for all ESTD majors, is offered every spring semester.

Subject #	Title	Day	Time	Instructor	Hrs	Session
ANTH 102	Being Human	MW	12:45-2:00P	K. Almieda	3	
ANTH 102	Being Human	TR	1:00-2:15P	M. Goldstein	3	
ANTH 360	Global Population Control	TR	2:30-3:45P	L. Shi	3	
BIOL 205	Climate, Science, Society (+EEPS/HSTY)	TR	10:00-11:15A	S. Daimand	3	
BIOL 214	Genes, Evolution, Ecology		3 sections	J. Bader	3	
BIOL 223	Vertebrate Biology (+lab req)		3 sections	R. Drushel	4	
BIOL 225	Evolution (crosslisted in many depts)	TWR	5:00-8:55P	P. Princehouse	3	Jan
BIOL 304	Fitting Models to Data	TR	2:30-3:45P	R. Snyder	3	
BIOL 321	Design, Analysis of Experiments	M-F	9:00-10:10A	J. Fox	3	Jan
BIOL 338	Ichthyology (+Weds lab)	MW	12:45-2:00P	R. Oldfield	3	
BIOL 343	Microbiology (+ Fri lab)	MWF	11:40-12:30P	D. Kube	3	
BIOL 357	Backyard Behavior	TR	2:45-4:00P	N. Dunham	3	
BIOL 364	Research Evolutionary Biology	TR	10:00-11:15A	R. Martin	3	
BIOL 432	Statistical Methods II (also PQHS)	TR	1:00-2:15P	T. Love	3	
CHEM 340	Solar Energy Conversion	M-F	9:00-11:20A	G. Sauve	3	Jan
ECON 102	Microeconomics (+MW and TR offering)	MWF	11:40-12:30P	S. Wang/J. Ernest	3	
ECON 103	Macroeconomics (4 sections)	various	various	various	3	
ECON 395	Economy in 20th Century	W	12:45-3:15P	J. Hawkins	3	
EEPS 115	Oceanography	TBA		S. Giri	3	Jan
EEPS 202	Global Environmental Problems	TR	2:30-3:45P	N. Sutfin	3	
EEPS 205	Climate, Science, Society (+BIOL/HSTY)	TR	10:00- 11:15A	B. Saylor	3	
EEPS 225	Evolution (crosslisted in many depts)	TWR	5:00-8:55P	P. Princehouse	3	Jan
EEPS 260	Intro to Climate Change (+PHYS)	MWF	4:25-5:15P	C. Taylor	3	
EEPS 352	Biogeochemistry	MW	12:45-2:00P	S. Giri	3	
EEPS 355	GIS for Environmental, Earth Science	MW	2:15-3:55P	N. Sutfin	3	
ESTD 101	Intro to Environmental Thinking	MW	12:45-2:00P	P. McCall	3	
ESTD 202	Global Environmental Problems	TR	2:30-3:45P	N. Sutfin	3	
ESTD 318	People & Planet ¹ (+ PHIL, POSC)	M-F	9:00-11:20A	J. Bendik-Keymer	3	Jan
HSTY 202	Science in Western Thought II	TR	10:00-11:15A	A. Rothman	3	
HSTY 205	Climate, Science, Society (+EEPS/BIOL)	TR	10:00-11:15A	P. Shulman	3	
HSTY 247	American Capitalism after 1945 ²	M-F	9:00-11:20A	T. Steinberg	3	Jan
HSTY 294	History of Nature ²	TR	1:00-2:15P	A. Rothman	3	
HSTY 346	Guns, Germs, Steel ²	M	4:50-7:20P	J. Broich	3	
MATH 201	Linear Algebra	TR	1:00-2:15P	M. Horst	3	
MATH 224	Differential Equations	var	various	staff	3	
MATH 497	Stochastic Models: Time Series	TR	4:00-5:15P	W. Woyczynski	3	
MPHP 429	Intro to Environmental Health	T	5:30-8:00P	K. Mulloy	3	
NTRN 340	Global Food: Environmental Issues	MWF	10:35-11:25	J. Swain	3	
POSC 357	Economy, Environment, Health ³	MW	12:45-2:00P	K. McMann	3	
POSC 391	Comp. Environmental Politics ³	MW	3:20-4:35P	M. Hodgetts	3	
PQHS 471	Machine Learning & Data Mining	TR	2:30-3:45P	H. Feng	3	
STAT 201	Statistics for Soc & Life Sci	TR	various	staff	3	
STAT 312	Statistics for Engr & Sci	TR	various	staff	3	
STAT 326	Multivariate Analysis & Data Mining	TR	tba	D. Song	3	
STAT 333	Uncertainty in Science, Engineering	TR		3	3	3

Subject #	Title	Day	Time	Instructor	Hrs
USNA 220	Suburban Nature/Culture	MWF	10:35-11:25A	E. Olbricht	3
USNA 287J	Transportation in American Life	var	2 sections	var	3
USNA 287S	Society & Natural Resources	MW	4:50-6:05P	S. Hardy	3
USNA 288N	Engineering Water	MWF	11:40-12:30P	S. Collins	3
USNA 289D	Environmental Justice	TR	10:00-11:15	E. Chilton	3
USSO 288B	Doing Good: Non-Profits Change Lives	TR	2:30-3:45P	C. Henry	3
USSO 289K	Justice in Globalizing Environments	TR	1:00-2:15P	P. Hanson	3
USSO 290S	Cultural Ecology & Sustainability	TR	11:30-12:45P	R. Smith	3
USSO 291L	Food,Agriculture,Society	MW	2 sections	N. Fejes	3
USSO 292A	What Makes People Happy	TR	2:30-3:45P	J. Butler	3
USSY 292N	Climate Change in Fiction & Film	MWF	10:35-11:25A	M. Burkhart	3
USSY 292Q	Secret Lives of Animals	TR	1:00-2:15P	A. Russell	3
USSY 294H	Mapping Spaces:Place & Mobility	var	2 sections	J. Newlin	3

The following **Engineering** courses are good electives, but may come with prerequisites. Check with instructors.

DSCI 332	Spatial statistics For Modeling	TR	10:00-11:15	J. Yarus	3
DSCI 353	Data Science:Learning,Modeling,Prediction	TR	11:30-12:45P	R. French	3
ECIV 330	Soil Mechanics (+lab)	MW	9:30-10:20A	X. Yu	4
ECIV 351	Engr. Hydraulics & Hydrology	TR	5:30-6:45P	M. Luria	3
ECIV 362	Solid & Hazardous Waste Management	MF	7:30-8:45A	M. Schmidt	3
ECIV 368	Environmental Engineering (+lab)	MW	11:40-13:30P	H. Zhang	3
EMAE 252	Fluid Mechanics	MWF	11:40-12:30P	S. Hostler	3
ENGR 225	Thermo, Fluids, Heat Transfer	var	various	M. Grossner	4

Some courses, like the Math and Statistics courses, have no explicit environmental content, but the techniques learned in them are used all the time by environmental scientists. Check with instructors to see if you have the required background. Don't fear the 4xx designation of the PQHS/ BIOL stat course. It is an applied two semester sequence, and you'll typically want to take the fall semester course first.

¹ can satisfy either the ESTD Humanities or Social Science distribution requirement, but not both

² can be used this semester to satisfy the ESTD Humanities distribution requirement

³ can be used this semester to satisfy the the ESTD Social Science distribution requirement