

ESTP Applied Ecology 4-Year Pathway 2026-2027

Fall Freshman Courses	Course or GE Title	Units	GE/Major
FYS 111	Intro to Environmental Communication	3	1C/FYS
MATH 130*(w MATH 30 if needed)	Precalculus (w co-req support course)	5	2
ENVS 201	Intro to Environmental Science	4	5B, 5C/Major
CHEM 109*	Introductory Chemistry	3	5A
ENVS 185	Adventures in Applied Env Sci	1	Elective
Total Units		16	
Spring Freshman Courses	Course or GE Title	Units	GE/Major
ENSTU 120 or other GE 1A	Writing about the Environment	3	1A
MATH 150	Calculus I	4	2/Major
CHEM 110 and CHEM 110L	General Chemistry I & Lab	5	5A, 5C/Major
Any GE Area 3A	GE Area 3 Arts & Humanities	3	3A
Total Units		15	
Fall Sophomore Courses	Course or GE Title	Units	GE/Major
HCOM 200, HCOM 202, BIO 131 or ENSTU 130	Critical Thinking GE	3	1B
CHEM 111 and 111L or MATH 151 or PHYS 221 or BIO 210 and 210L or BIO 306 and 306L	Additional Science Breadth Course	5	Major
PHYS 220	Physics I with Lab	4	Major
Language other than English	Language other than English- any level	3	3B/WCL
Total Units		15	
Spring Sophomore Courses	Course or GE Title	Units	GE/Major
(BIO 211 and BIO 211L) or ENVS 240	Environmental Biol or Ecol,Evol,Biodiv	4	5B, 5C/Major
GEOL 260	Intro Geology & Hydrology	4	Major
ENSTU 280 or BUS 202	Environ Econ & Policy or Microecon	3	4A/ Major
ED 212S, HCOM 260S, SL 210S or SSCI 212S	Civics/Service Learning GE course	3	4B, US2&3
Total Units		14	
Fall Junior Courses	Course or GE Title	Units	GE/Major
BIO 340	Ecology	4	UD 5/ Concentration
STAT 250 (+STAT 250D if needed)	Applied Stats for Science & Tech	4	Major
UD 4 or (ENSTU 387 double-counts for major)	GE Area Upper Division Social & Behavioral Sciences	3	UD 4 or (Group A elective)
SSCI 249 or HCOM 243	US History 1 with GE area 6	3	6/US 1
Total Units		14	
Spring Junior Courses	Course or GE Title	Units	GE/Major
ENVS 332	Intro to GIS/GPS	4	Major
ENVS 300	Crit. Think & Communication -Env Sci	3	GWAR/Major
ENVS 303 and 303L, ENVS 342, ENVS 464, ENVS 475, ENVS 483 (Spring) or BIO 448, ENVS 446 (Fall) or ENVS 440 or BIO 449 (periodically offered)	Applied Ecology Elective Course	4	Concentration
ENVS 302 or Elective	Elective	1	Elective

Any GE Area UD 3	GE Area Upper Division Arts & Humanities	3	UD 3
Total Units		15	
Fall Senior Courses	Course or GE Title	Units	GE/Major
BIO 448 or ENVS 446 (Fall) or ENVS 464 or ENVS 475 (Spring) (complete in Fall or Spring of Senior Year)	Applied Ecol Capstone project course	4	Concentration
ENVS 410 or ENVS 402	Capstone Integration Seminar or Honors Capstone Seminar	1	Major
ENVS 350	Quantitative Field Methods	4	Major
Applied Ecology Group A or B (or minor)	Applied Ecology Group A or B elective	3	Group A or B elective
Elective or course for minor	Elective or course for minor	4	Elec or minor
Total Units		16	
Spring Senior Courses	Course or GE Title	Units	GE/Major
Applied Ecology Group A (or minor)	Applied Ecology Group A elective	4	Group A elective
Applied Ecology Group A or B (or minor)	Applied Ecology Group A or B elective	4	Group A or B elective
ENSTU 349S, ENSTU 369S, ENSTU 384S, ENVS 382S, BIO 379S, or MSCI 359S	ESTP Service learning	4	UDSL/Major
Elective or course for minor	Elective or course for minor	3	Elec or minor
Total Units		15	
		ESTP Applied Ecology 4-yr Path	120

***Students may complete online placements to skip CHEM 109 and/or MATH 130, but 120 units are required.**

Instead of completing 12 units of ESTP electives, students can minor in:

- Biology
- Chemistry
- Computer Science
- Data Science
- Mathematics or
- Statistics