

ESTP Applied Ecology 4-Year Pathway 2025-2026

Fall Freshman Courses (16 units total)	Course or GE Title	Units	GE/Major
FYS 111	Intro to Environmental Communication	3	FYS, GE 1C
MATH 130*(w MATH 30 if needed)	Precalculus (w co-req support course)	5	GE 2
ENVS 201	Intro to Environmental Science	4	GE 5B, 5C, major
CHEM 109*	Introductory Chemistry	3	GE 5A
ENVS 185	Adventures in Applied Env Sci	1	Elective
Spring Freshman Courses (15 units total)	Course or GE Title	Units	GE/Major
ENSTU 120 or other GE 1A	Writing about the Environment	3	GE 1A
MATH 150	Calculus I	4	GE 2, major
CHEM 110 & 110L	General Chemistry I & Lab	5	GE 5A, 5C, major
Any Arts GE course	Arts General Education course	3	GE 3A
Fall Sophomore Courses (15 units total)	Course or GE Title	Units	GE/Major
HCOM200, HCOM202, BIO131 or ENSTU130	Critical Thinking GE	3	GE 1B
CHEM 111&111L or MATH 151 or PHYS 221 or BIO 210&210L or BIO 306&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	WCL, GE 3B
Spring Sophomore Courses (14 units total)	Course or GE Title	Units	GE/Major
BIO 211 & 211L or ENVS 240	Environmental Biol or Ecol,Evol,Biodiv	4	GE 5B, 5C, Major
GEOL 260	Intro Geology & Hydrology	4	Major
ENSTU 280 or BUS 202	Environ Econ & Policy or Microecon	3	GE 4A, Major
SL210S, ED212S, HCOM260S, SSCI 212S	Civics/Service Learning GE course	3	GE 4B, US2&3
Fall Junior Courses (14 units total)	Course or GE Title	Units	GE/Major
BIO 340	Ecology	4	UD 5, Conc core
STAT 250	Applied Stats for Science & Tech	4	Major
ENSTU 387	Water Resource Law, Policy, Assess	3	UD 4, Grp A elec
SSCI 249 or HCOM 243	US History 1 with GE area 6	3	GE 6, US1
Spring Junior Courses (15 units total)	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/L,342, 464, 475, 483 (Spring) or BIO 448, ENVS 446 (Fall)	Applied Ecology Concentration core core course	4	Concentration
ENVS 302 or Group B elective	Applied Ecology elective from Group B	1	Grp B elective
Any upper-division arts or humanities GE	Any UD GE 3A or 3B: arts/humanities	3	UD 3
Fall Senior Courses (16 units total)	Course or GE Title	Units	GE/Major
BIO 448 or ENVS 446 (Fall) or ENVS 475 or ENVS 464 (Spring) (complete in Fall or Spring)	Applied Ecol Capstone project course	4	Capstone
ENVS 410	Capstone Integration Seminar	1	Major
ENVS 382S, ENSTU 349S, 369S, 384S, BIO 379S	Service learning	4	UDSL, Major
ENVS 350	Quantitative Field Methods	4	Major
Applied Ecology Group A or B elective	Applied Ecology group A or B elective	3	Group B elect
Spring Senior (15 units total)	Course or GE Title	Units	GE/Major
Applied Ecology Group A (or minor)	Applied Ecology elective from Group A	4	Grp A elective
Applied Ecology Group A (or minor)	Applied Ecology elective from Group A	4	Grp A elective
Elective or course for minor	Elective or course for minor	4	Elec or minor
Elective or course for minor	Elective or course for minor	3	Elec or minor
ESTP Applied Ecology 4-yr Path		120	

*Students may complete online placements to skip CHEM 109 and/or MATH 130.

Instead of completing 12 units of ESTP electives, students can minor in Biology, Chemistry, Computer Science, Data Science, Mathematics, or Statistics.