

ESTP Environmental Data Analysis 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
STAT 250 (+STAT 250D if needed)	Applied Stats for Science & Tech	4	Major
ENSTU 349S, ENSTU 369S, ENSTU 384S, ENVS 382S, BIO 379S, or MSCI 359S	ESTP Service learning	4	UDSL/Major
BIO 340 (Fall or Spring) or GEOL 360 (Fall) or STAT 310 (Fall)	Env Data Analysis Group A with UD 5	4	UD 5/Group A
SSCI 249 or HCOM 243	US History 1 with GE area 6	3	6/US 1
Total Units		15	
Spring Junior Courses	Course or GE Title	Units	GE/Major
ENVS 350	Quantitative Field Methods	4	Major
ENVS 332 (must take by end of junior year)	Intro to GIS/GPS	4	Major
BIO 380	Practical computing for Scientists	4	Concentration
ENVS 300	Crit. Think & Communication -Env Sci	3	GWAR/ Major
Total Units		15	

Fall Senior Courses (15 units total)		Course or GE Title	Units	GE/Major
ENVS 436 (Fall only, ENVS 332 is prereq)		Remote Sensing & Image Processing	4	Concentration
ENVS 410 or ENVS 402		Capstone Integration Seminar or Honors Capstone Seminar	1	Major
ENVS 440 or ENVS 532 or BIO 448 or STAT 320 or STAT 325 or STAT 410		Enviro Data Analysis Elective	4	Concentration
Any GE Area UD 3		GE Area Upper Division Arts & Humanities	3	UD 3
Elective or course for minor		Elective or course for minor	3	elective
Total Units			15	
Spring Senior (15 units total)		Course or GE Title	Units	GE/Major
Environ Data Analysis Group B elective		Env Data Anal Group B elective	4	Group B
Enviro Data Analysis Group A, B, or C elective		Env Data Anal Group A, B, or C elective	4	Group A, B or C
Any GE Area UD 4		GE Area Upper Division Social & Behavioral Sciences	3	UD 4
Elective or course for minor		Elective or course for minor	4	elective
Total Units			15	
		ESTP Enviro Data Anal 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