

# ESTP Environmental Data Analysis 4-Year Pathway 2023-2024

<b>Fall Freshman Courses (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
FYS 111	Intro to Environmental Communication	3	FYS. A1
<b>MATH 130*(w MATH 30 if needed)</b>	Precalculus (w co-req support course)	5	B4
ENSTU 120	Writing about the Environment	3	A2
<b>CHEM 109*</b>	Introductory Chemistry	3	B1
<b>ENVS 195</b>	Adventures in Applied Env Sci	1	Elective
<b>Spring Freshman Courses (16 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>ENVS 201</b>	Intro to Environmental Science	4	B2,B3,Major
<b>MATH 150</b>	Calculus I	4	B4, major
<b>CHEM 110 &amp; 110L</b>	General Chemistry I & Lab	5	B1,B3, major
<b>Any C1 GE course</b>	Arts General Education course	3	C1
<b>Fall Sophomore Courses (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>HCOM200, HCOM202, BIO131 or ENSTU130</b>	Critical Thinking GE	3	A3
<b>CHEM 111&amp;111L or MATH 151 or PHYS 221 or BIO 210&amp;210L or BIO 306&amp;306L</b>	Additional Science Breadth course	5	Major
<b>PHYS 220</b>	Physics I with Lab	4	Major
<b>SBS 249 or HCOM 243 (or SBS 114)</b>	US History with GE area F or C2	3	US1, (C2 or F)
<b>Spring Sophomore Courses (14 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>ENVS 240 or BIO 211 &amp; 211L</b>	Environmental Biol or Ecol,Evol,Biodiv	4	B2,B3,Major
<b>STAT 250</b>	Applied Stats for Science & Tech	4	Major
<b>ENSTU 280 or BUS 202</b>	Environ Econ & Policy or Microecon	3	DGSS, Major
<b>SL210S, ED212S, HCOM260S, SBS212S</b>	Civics/Service Learning GE course	3	DCSL, US2&3
<b>Fall Junior Courses (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>GEOL 260</b>	Intro Geology & Hydrology	4	Major
<b>Language other than English</b>	Any Humanities GE C2 course	3	C2
<b>ENVS 382S, BIO 379S, ENSTU 3xxS,MSCI 359S</b>	Service learning for ESTP	4	UDSL, Major
<b>BIO 340 (F or Sp) or GEOL 360 or STAT 310 (F</b>	Env Data Anal Group A with UDB	4	Grp A, UDB
<b>Spring Junior Courses (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>ENVS 350</b>	Quantitative Field Methods	4	Major
<b>ENVS 332 (must take by end of junior year)</b>	Intro to GIS/GPS	4	Major
<b>BIO 380</b>	Practical computing for Scientists	4	Concentration
<b>ENVS 300</b>	Crit. Think & Communication -Env Sci	4	GWAR, Major
<b>Fall Senior Courses (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>ENVS 436 (fall only, 332 is prereq)</b>	Remote Sensing & Image Processing	4	Concentration
<b>ENVS 410</b>	Capstone Integration Seminar	1	Major
<b>ENVS 440, 532 or BIO 448 , STAT 320, 325, 410</b>	Enviro Data Analysis Core course	4	Concentration
<b>Any UDC</b>	Any UD arts/humanities GE	3	UDC
<b>HDFS 200, KIN 161, KIN 263, PSY 210</b>	Area E Lifelong Lrng &Self-Devel	3	E
<b>Spring Senior (15 units total)</b>	<b>Course or GE Title</b>	<b>Units</b>	<b>GE/Major</b>
<b>Environ Data Analysis Group B elective</b>	Env Data Anal Group B electives	4	Conc elect
<b>Enviro Data Analysis Group A, B, or C</b>	Env Data Anal Elective	4	Conc elect
<b>GE area F or C1 or C2</b>	GE area F or C not completed w/ US1	3	F or C1 or C2
<b>Any Upper-division Integrated Social Science</b>	UD Social Science (UDD) course	3	UDD
<b>Elective or internship</b>	Internship or elective	1	elective
<b>ESTP Enviro Data Anal 4-yr Path</b>		<b>120</b>	

\*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.