

ESTP Environmental Data Analysis 4-Year Pathway

| Fall Freshman Courses (15 units total) | Course or GE Title | Units | GE/Major |
|---|---|------------|------------------|
| FYS 124 | Intro to Environmental Science | 4 | FYS, B2,B3,Major |
| MATH 130*(w MATH 30 if needed) | Precalculus (w co-req support course) | 5 | B4 |
| HCOM 120 or ENSTU 120 | Critical Reading and Writing | 3 | A2 |
| CHEM 109* | Introductory Chemistry | 3 | B1 |
| Spring Freshman Courses (15 units total) | Course or GE Title | Units | GE/Major |
| HCOM 110 or ENSTU 111 | Fund Spk/Listen or Intro Env. Comm | 3 | A1 |
| MATH 150 | Calculus I | 4 | B4, major |
| CHEM 110 | General Chemistry I | 4 | B1, major |
| CHEM 110L | General Chemistry I Lab | 1 | B3, major |
| Any C1 GE course | Arts General Education course | 3 | C1 |
| Fall Sophomore Courses (15 units total) | Course or GE Title | Units | GE/Major |
| HCOM200, HCOM202, BIO131 or ENSTU131 | Critical Thinking GE | 3 | A3 |
| CHEM 111 | General Chemistry II | 4 | Major |
| CHEM 111L | General Chemistry II Lab | 1 | Major |
| PHYS 220 | Physics I with Lab | 4 | Major |
| HCOM 251 or 265 or SBS 111 or 112 or 246 | US History GE | 3 | DHIST, US1 |
| Spring Sophomore Courses (17 units total) | Course or GE Title | Units | GE/Major |
| BIO 230 | Cell & Molec Bio & Animal Physiol | 4 | B2,B3,Major |
| GEOL 260 | Intro Geology & Hydrology | 4 | Major |
| PHYS 221 or MATH 151 | Physics 2 or Calculus 2 | 4 | Major |
| SL210S, ED212S, GS280S, HCOM260S, SBS212S | Civics/Service Learning GE course | 3 | D CSL, US2&3 |
| HDFS 200, KIN 161, KIN 263, PSY 210 | Area E Lifelong Lrng &Self-Devel | 3 | E |
| Fall Junior Courses (14 units total) | Course or GE Title | Units | GE/Major |
| STAT 250 | Applied Stats for Science & Tech | 4 | Major |
| ENSTU 280 or BUS 202 | Environ Econ & Policy or Microecon | 3 | DGSS, Major |
| ENVS 300 | Crit. Think & Communication -Env Sci | 4 | GWAR, Major |
| Any C2 GE course | Any Humanities GE C2 course | 3 | C2 |
| Spring Junior Courses (15 units total) | Course or GE Title | Units | GE/Major |
| ENVS 350 | Quantitative Field Methods | 4 | Major |
| ENVS 332 | Intro to GIS/GPS | 4 | Major |
| BIO 380 | Practical omputing for Scientists | 4 | Concentration |
| BIO 340 or GEOL 360 or STAT 310 | Env Data Anal Group A Elective (selected to meet prereqs for Group B) | 3 | Conc elect, UDB |
| Fall Senior Courses (15 units total) | Course or GE Title | Units | GE/Major |
| ENVS 436 | Remote Sensing & Image Processing | 4 | Concentration |
| ENVS 410 | Capstone Integration Seminar | 1 | Major |
| ENVS 440, 532 or BIO 448 , STAT 320, 325, 410 | Enviro Data Analysis Core course | 4 | Concentration |
| SPAN 340 or 350 or JAPN 340 or 350 | UD C with World Culture & languages | 3 | UDC, WCL |
| Additional C1 or C2 course | Lower-division Arts or Humanities | 3 | C1 or C2 |
| Spring Senior (15 units total) | Course or GE Title | Units | GE/Major |
| Environ Data Analysis Group B elective | Env Data Anal Group B electives | 3 | Conc elect |
| Enviro Data Analysis Group A, B, or C | Env Data Anal Elective | 6 | Conc elect |
| ENVS 382S, BIO 379S, ENSTU 3xxS,MSCI 359S | Service learning for ESTP | 3 | UDSL, Major |
| HCOM 343 353,369,393, HDFS 320,321; LS 310,362; PH417; or SBS 304,320,364 | UD Social Science with Ethnic Studies | 3 | UDD, ES |
| ESTP Enviro Data Anal 4-yr Path | | 121 | |

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