

Pennsylvania Highlands Community College-Juniata Environmental Science Transfer Academic Plan

Pennsylvania Highlands Community College AA (Liberal Arts & Sciences) Requirements	Juniata College Curriculum
ACP 100 Academic and Career Planning	1
ENG 110 English Composition I	3
ENG 200 English Composition II (or) ENG225 Technical Writing	3
COM 101 Public Speaking	3
BIO 104/114 General Biology I w/Lab	3/1
BIO 106/116 General Biology II w/Lab	3/1
AGR105/115 Botany	3/1
MAT Elective: MAT145 College Algebra (or) MAT170 Pre-Calculus (or) MAT210 Calculus (or)	3 or 4
CHM 120 General Chemistry 1	4
CHM 122 General Chemistry 2	4
*Open Elective	3
MAT 200 Probability and Statistics	3
PHY110/111 Physics 1 (Algebra Based)	3/1
GLG 102/103 Geology	3/1
*Social Science Track 1 Elective	3
*Humanities/Social Science Elective	3
*Humanities Tack 1 Elective	3
*Humanities Track 1 or 2 Elective	3
*Social Science Track 2 Elective	3
Transfer electives (<i>review required courses at Juniata to avoid overlap</i>)	18
60 credits	60 credits



All students with 60 (or more credits) will receive credit for:

- First-Year Composition (FYC) (3 credits)
- First-Year Seminar (FYS) (3 credits)
- 3-Ways of Knowing (9 credits)
- 3-Self & the World (9 credits)
- Block Transfer for all other courses

Environmental Science Courses Waived:

- ESS 100–Environmental Systems I (4)
- ESS 110–Environmental Systems II (3)
- CH 142–Integrated Chemistry Principles I (3)
- CH 143–Integrated Chemistry Principles Lab I (1)
- CH 144–Integrated Chemistry Principles II (3)
- CH 145–Integrated Chemistry Principles Lab II (1)
- PC 200–General Physics I (3)
- PC 202L–General Physics Lab I (1)
- BI 101–General Biology I (4)
- BI 300–General Ecology (3)
- BI 301–General Ecology Lab (1)
- ESS 230–Environmetrics (3)
- MA 130–Calculus (4)

Guaranteed credit transfer for all 100+ level courses where a C- or high was achieved.

Academic Roadmap (Program options include: Environmental Science, Wildlife Conservation, Fisheries & Aquatic Science)	
<p>Fall First/Transfer Year Foundations (1 credit) Ways of Knowing (3 credits) ESS 301–Environmental Methods (3 credits) ESS 310–Water Resources (3 credits) *Free Elective* *Free Elective*</p> <p>Spring–Study Abroad experience or Raystown Field Station possible *Free Elective* *Free Elective* *Free Elective* *Free Elective*</p>	<p>Fall Self & the World (3 credits) Ways of Knowing (3 credits) ESS 352–Conservation Biology (3 credits) *Free Elective* *Free Elective*</p> <p>Spring ESS 401–Senior Capstone (3 credits) Connections (3 credits) *Free Elective* *Free Elective* *Free Elective*</p>

Students will need to take an additional 9 credits from the list below. This is not an exhaustive list and other courses may be used in consultation with students' advisor:

ESS 305–Environmental Economics
ESS 324–Natural Resource Management
ESS 328–Limnology
ESS 340–Forestry
ESS 380–Sense of Place
ESS 330–Geographic Information Systems
ESS 335–Quantative Ecology
ESS 337–Environmental Law
ESS 377–Advanced topics in Geographic Information Systems
ESS 410–Water Resources II
ESS 445–Fisheries Management
BI 305–Biostatistics
BI 360–Vertebrate Zoology
BI 361–Vertebrate Zoology Lab
BI 323–Mammalogy
BI 324–Ornithology
BI 327–Botany
BI 350–Invertebrate Zoology
BI 351–Invertebrate Zoology Lab
BI 370–Herpetology
BI 432–Environmental Toxicology