

Environmental Science & Studies – Transfer Academic Plan with Juniata College

Semester One (Penn Highlands)	Semester Two (Penn Highlands)
FYE 101: First Year Experience	ENG 200: English Composition II, OR, ENG225
ENG 110: English Composition I	BIO 106: Principles of Biology II Lecture
BIO 104: Principles of Biology I Lecture	BIO 116: Principles of Biology II Lab
BIO 114: Principles of Biology I Lab	COM 101: Public Speaking
CHM: 120 General Chemistry I	MAT 200: Probability and Statistics
Math Elective: MAT145, MAT170, or MAT210	Open Elective

Semester Three (Penn Highlands)	Semester Four (Penn Highlands)
PHY 110: Physics I Lecture	Cultural Awareness and Global Perspectives Elective
PHY 111: Physics I Lab	Values and Ethics Elective
Social Science Elective	Social Science Elective
Humanities Elective	Humanities Elective
Open Elective	Open Elective

Semester Five (Juniata College)	Semester Six (Juniata College)
FYF-101: Transfer/First-Year Foundations	GL-126: Environmental Geochemistry
CH-144: Integrated Chem Principles II	Free Elective
CH-145: Integrated Chem Principles II Lab	Free Elective
ESS-310: Water Resources	Free Elective
Ways of Knowing	
BOTANY (classes rotate) <ul style="list-style-type: none"> ○ BI-327: Botany ○ BI-325 & BI-326: Plant Ecology ○ BI-333: Plant Diversity 	

Semester Seven (Juniata College)	Semester Eight (Juniata College)
ESS-352: Conservation Biology	ESS-401: Senior Capstone
Self & the World	Connections
Ways of Knowing	Free Elective
Free Elective	Free Elective
Free Elective	Free Elective

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Juniata College – ESS Elective Course Options

Students must take an additional 9 credits from the course 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