


HACC-Juniata Environmental Science Transfer Academic Plan

Harrisburg Area Community College AA (Liberal Arts) Requirements					Juniata College Curriculum	
ENGL	101	English Composition I		3	 <p>All students with 60 (or more credits) will receive credit for:</p> <ul style="list-style-type: none"> • 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 <p>Environmental Science Courses Waived:</p> <ul style="list-style-type: none"> • ESS 100–Environmental Systems I (3) • 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 105–Biological Diversity & Ecology (3) • BI 121–Biology Lab (1) • BI 300–General Ecology (3) • BI 301–General Ecology Lab (1) • ESS 230–Environmetrics (3) • MA 130–Calculus (4) • ESS 330–Geographical Information Systems (3) • ESS 337–Environmental Law (3) 	
ENGL	102	English Composition II <i>OR</i>		3		
ENGL	104	Technical Writing	(3)			
COMM	101	Effective Speaking		3		
BIOL	101	General Biology I		4		
BIOL	102	General Biology II		4		
ENVS	201	Intro to Environmental Science I		4		
GIS	141	Intro to Geospatial Technology		3		
MATH	103	College Algebra <i>OR</i>		3		
MATH	104	Trigonometry <i>OR</i>	(3)			
MATH	119	Pre-Calculus <i>OR</i>	(3)			
MATH	121	Calculus	(3)			
MATH	202	Introduction to Statistics (Core C)		4		
CHEM	101	General Inorganic Chemistry		4		
CHEM	102	General Inorganic Chem & Qual Anal		4		
BIOL	206	Ecology		4		
BIOL	212	Botany		4		
ENVS	220	Envi Laws, Regulations & Compliance		3		
PHYS	201	General Physics		4		
GEOL	201	Environmental Geology	3/4			
Transfer electives (<i>review required courses at Juniata to avoid overlap</i>)				9		
60 credits					60 credits	

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

Eligible students may qualify to enroll in graduate courses during their senior year.

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 350–Field Research Methods
ESS 361–Field Methods in Marine Systems (India)
ESS 362–Island Ecosystems (India)
ESS 363–Upland Process & Estuaries (India)
ESS 364–Culture, Class and Gender (India)
ESS 380–Sense of Place
ESS 410–Water Resources II
BI 305–Biostatistics
BI 360–Vertebrae Zoology
BI 361–Vertebrae Zoology Lab
BI 323–Mammology
BI 324–Ornithology
BI 327–Botany
BI 350–Invertabrae Zoology
BI 351–Invertabrae Zoology Lab
BI 370–Herpetology
BI 432–Environmental Toxicology