B.S., Biology: Ecology & Environmental Biology Concentration (EEB): 2020-2021 Catalog

Course No.	Description	Cr.
First Year	**Fall**	
□ BIOL 110	Evolution, Ecol, & Plant Biol.	4
□ CHEM 121	Chemistry Principles I	4
□ MATH 111	Finite Math	3
or MATH121	Calculus/Geom I	
□ WRIT 102	Research Writing	3
□ HIST xxx	History Elective 100-200 level	3
□ CORE 103	Fall Comm. Enrich. Series	0
□ BIOL 131	Biology Freshman Seminar	0
Total Credits		**17**

Course No.	Description	Cr.
First Year	**Spring**	
□ BIOL 111	Molecules, Cells, & Anim. Phys.	4
□ CHEM 122	Chemistry Principles II	4
□ MATH 112	Calculus	3
or MATH 122	Calculus/Geom II	
□ RLST 105	Franciscan Goals for Today	3
□ CORE 113	Gen Ed 1st Year Seminar	3
□ CORE 104	Spring Comm. Enrich. Series	0
Total Credits		**17**

Course No.	Description	Cr.
Second Year	**Fall**	
□ BIOL 203	Ecology	4
□ CHEM 221	Organic Chemistry I	4
□ LIT 104, 201, 202, 204, 207, 270	Literature	3
□ PHIL 205	Discovering Philosophy	3
□	Free Elective	3
Total Credits		**17**

Course No.	Description	Cr.
Second Year	**Spring**	
□ BIOL xxx	Biology Elective or Cluster Course	3-4
□ CHEM 222	Organic Chemistry II	4
□ PSYC 101	Intro. to Psychology (Soc Sci I)	3
□ FNAR xxx	Fine Arts Elective	3
□ BIOL 231	Biology Sophomore Seminar	0
□	Free Elective	3
Total Credits		**16-17**

Course No.	Description	Cr.
Third Year	**Fall**	
□ BIOL 302	General Microbiology	4
□ PHYS 104	Intro to Physics I	4
or 121	Gen. Physics I	
□ LANG xxx	Foreign Lang. (102 or higher)	3
□ SOC xxx	Sociology 101 or 102	3
□ ECON xxx	Pr. Econ I or II (Soc Sci II)	3
□ BIOL 331	Biology Junior Seminar	0
□ EXAM 301	Writing Competency	0
Total Credits		**17**

Course No.	Description	Cr.
Third Year	**Spring**	
□ BIOL 301	Genetics (Diversity req)	4
□ PHYS 105	Intro to Physics II	4
or 122	Gen. Physics II	
□ PHIL /RLST	300+ Phil/RLST Elective	3
□ PLSC xxx	Poli Sci 102 or 103 (Soc Sci III)	3
□ BIOL 315	Biostatistics	4
Total Credits		**18**

Course No.	Description	Cr.
Fourth Year	**Fall**	
□ BIOL xxx	Biology Elective or Cluster	3-4
□ BIOL xxx	Biology Elective or Cluster	3-4
□ MGMT101	Principles of Management	3
□	Free Elective	3
□	Free Elective	1
Total Credits		**13-15**

Course No.	Description	Cr.
Fourth Year	**Spring**	
□ BIOL 402	Evolution	3
□ BIOL 431	Biology Senior Seminar	1
□ BIOL 408	Environmental Problems Seminar	4
□	Free Elective	3
□ CORE 407	Keystone Seminar	3
□ EXAM 401	Dept. Comp. Exam	0
Total Credits		**14**

Organismal Biology Cluster Courses

F = Fall; S = Spring; Su = Summer; AN = As Needed

At least 1 course is required from the Organismal Biology cluster. The Ecology and Molecules/Cells clusters are satisfied by required courses.

- BIOL 204 – Invertebrate Zoology (F)
- BIOL 211 – Comparative Anatomy (S)
- BIOL 212 – Developmental Biology (S)
- BIOL 218 – Marine Biology (F)
- BIOL 306 – Animal Nutrition (F)
- BIOL 403 – Advanced Botany (F)
- BIOL 406 – Vertebrate Physiology (F)

Environmental Science Elective Courses

At least 8 credits from the following:

- Any of the cluster courses above
- BIOL 150 - Aquarium Maintenance (AN; 1 cr max)
- BIOL 208 – Animal Behavior (F)
- BIOL 220 – Conservation Biology (S)
- BIOL 320 – Nat History of the Vertebrates (S)
- BIOL 322 – Field Biology (S)
- BIOL 326 – Freshwater Aquatic Biology (F)
- CHEM 305 – Environmental Chemistry (F)
- BIOL x94 – Biology Research
- Any 400 or higher Biology course

Suggestions:

- Consider undergraduate research.
- Job Shadow during summer after freshman and sophomore years.
- If pursuing graduate school, prepare for graduate school entrance exams during summer after junior year.
- Consider participation in Raystown Field Station immersion semester.

****Sequence of courses may be altered with consent of advisor.*

Total Req'd Credits: 128

Updated: 5/2020