

**BACHELOR OF
SCIENCE
BIOLOGY**

Environmental Science Track

In the Environmental Science program, students develop a broad understanding of the natural world and interactions between humans and the environment. Graduates of the program are prepared for dynamic careers in government or private sectors focused on tackling challenges in fields like: conservation, ecology, climate change, and environmental justice.

*College of
Science,
Engineering, &
Technology*

Student Name: _____

J-Number: _____

Advisor: _____



COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

BIOLOGY

CONCENTRATION: ENVIRONMENTAL SCIENCE TRACK

Entering Term: _____

Expected Graduation Date: _____

Pathway: _____

FRESHMAN YEAR FALL 1ST SEMESTER					
COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 111 & BIOL 111	General Biology I & Lab	4	DPR		
CHEM 141 & CHML 141	General Chemistry I & Lab	4	GEC		
MATH 103 or MATH 111	College Algebra	3	GEC		
ENG 103 or ENG 104	Composition I	3	GEC		
UNIV 100	University Success	2	UR		
TOTAL CREDIT HOURS		16	TERM GPA:		

FRESHMAN YEAR SPRING 2ND SEMESTER					
COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 112 & BIOL 112	General Biology II & Lab	4	DPR		
CHEM 142 & CHML 142	General Chemistry II & Lab	4	DPR		
MATH 112	Trigonometry	3	DPR		
ENG 105	Composition II	3	GEC		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		17	TERM GPA:		

Comments: _____

SOPHOMORE YEAR FALL 1ST SEMESTER					
COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 200 & BIOL 200	Introduction to Cell Biology & Lab	4	DPR		
CHEM 241 & CHML 241	Organic Chemistry I & Lab	4	DPR		
MATH 241	Calculus I	3	DPR		
	Social & Behavioral Science Option	3	GEC		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		17	TERM GPA:		

Comments: _____

SOPHOMRE YEAR SPRING 2ND SEMESTER					
COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 209 & BIOL 209	Principles of Genetics & Lab	4	DPR		
BIO 201	Environmental Science	3	DPR		
CHEM 242 & CHML 242	Organic Chemistry II & Lab	4	DPR		
UNIV 200	Civic Engagement	1	UR		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		15	TERM GPA:		

Comments: _____

JUNIOR YEAR FALL 1ST SEMESTER

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 313 & BIOL 313	Introduction to Microbiology & Lab	4	DPR		
BIO 390	Seminar in Biology	1	DPR		
BIO 395 or CHEM 431	Principles of Biochemistry or Biochemistry I	3	DPR		
PHY 201 & PHYL 201	Basic Physics I & Lab	4	GEC		
	Humanities & Fine Arts Option	3	GEC		
TOTAL CREDIT HOURS		15	TERM GPA:		
Comments:					

JUNIOR YEAR SPRING 2ND SEMESTER

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 404 & BIOL 404	Environmental Sciences & Lab	4	DPR		
BIO 423 & BIOL 423	Ecology & Lab	4	DPR		
PHY 202 & PHYL 202	Basic Physics II & Lab	4	DPR		
	Humanities & Fine Arts Option	3	GEC		
TOTAL CREDIT HOURS		15	TERM GPA:		
Comments:					

SENIOR YEAR FALL 1ST SEMESTER

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
	Statistics Elective	3	DPE		
	Environmental Science Electives	12	DPE		
TOTAL CREDIT HOURS		15	TERM GPA:		
Comments:					

SENIOR YEAR SPRING 2ND SEMESTER

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
	Social & Behavioral Science Option	3	GEC		
	Humanities & Fine Arts Option	3	GEC		
	Environmental Science Electives (300-400 Level)	8	DPE		
TOTAL CREDIT HOURS		14	TERM GPA:		
Comments:					

On-line Graduation Clearance (TO BE COMPLETED DURING THE GRADUATING SEMESTER ONLY)

TOTAL HOURS: 124 (REQUIRED)

*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success; however, the student must take 2 hours of general electives to replace the UNIV course.

Student Signature: _____

Advisor Signature: _____

Environmental Science Electives

Course	Course Title	Credit Hours
BIO/L 115	General Zoology	3/1
BIO/L 119	General Botany	3/1
BIO/L 234	Human Anatomy & Physiology I	3/1
BIO/L 235	Human Anatomy & Physiology II	3/1
BIO 236	Concepts of Public Health	3
BIO 302	Introduction to Bioinformatics and Computational Biology	3
BIO 332	Parasitology	3
BIO 335	Introduction to Animal Sciences	3
BIO 391	Introduction to Research	2
BIOL 395	Principles of Biochemistry Lab	1
BIO/L 406	Human Environments and Natural Systems	3/1
BIO/L 412	Natural Resources & Conservation	3/1
BIO/L 425	Introduction to Marine Biology	3/1
BIO/L 431	Invertebrate Zoology	3/1
BIO 433	Biology of Water Pollution	3
BIO 435	Animal Nutrition	3
BIO/L 440	Cell Biology	3/1
BIO/L 447	Introduction to Oceanography	3/1
BIO 450	General Entomology	3
BIO 451	Introduction to Immunology	3
BIO 461	Introduction to Virology	3
SCI/L 201	Physical Science	3/1
SCI/L 205	Earth and Space Science	3/1
SCI 215	Global Change	3
SCI/L 310	Earth History	3/1
SCI 320	Sedimentary Environments	3
SCI 331	Introduction to GIS/Remote Sensing	3
SCI 410	Oceanography	3
SCI 425	Environmental Geology	3
ITEM 402	Basic GIS and Remote Sensing	3

STATISTICS ELECTIVE		
Course	Course Title	Credit Hours
BIO 202	Elementary Biostatistics	3
MATH 271	Elementary Statistics	3
PSY 211	Statistics I	3
STAT 115	Introductory Statistics	3