

# Environmental Earth Science Major: EES Concentration

**NOTICE:** This "Eastern in 4" worksheet is a planning document only. Students should consult with their faculty advisor and use the Degree Evaluation to obtain an accurate assessment of their progress toward fulfilling graduation requirements.

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Revised: 10/1/2022

Eastern in 4 Notes

A degree has GPA, Residency, Major, LAC, Foreign Language, University Writing, and Upper-level requirements.

Minimum of 120 credits are required to graduate. If you have unfilled space, fill in with "Elective."

Either LAC Tier I or Tier II Natural Sciences must be completed with a Lab course.

Major Specific Notes

The EES major requires a combined cumulative GPA of 2.0 in courses for the major and concentration.

\* EES 104 alternatives: EES 106/112, EES 110/112, EES 220/112, or EES 220/221.

Students should take CHE 210/212 during their 1st semester, CHE 211/213 during their 2nd semester.

EES 130 and 224, and EES 336 or 342 or 402 or 405 or 424 or 436 or 440 meet Eastern's major writing requirements and must be taken in residence.

Recommended: EES 333 EES Student Employability, 1 credit, to be completed in the 3rd or 4th year.

Students interested in pursuing teacher certification should consult with the Education Department Chair and choose the General Earth Science concentration.

## LAC Requirements

Shaded blue box indicates course may count for major requirement and the LAC. Check Degree Evaluation.

In plan	Course	Title	Requirement	Credit	Rec. Year	Prerequisite
<b>LAC Tier I</b>						
	FYI 100	First-Year Introduction	FYI	3	1st	Must take in first 15 credits
	ENG 100/P	College Writing	T1W	3 or 5	1st	Must take in first 30 credits
	MAT 243	Calculus I with Technology	T1M	4	2nd	
		Health and Wellness	T1HW	2 or 3	1st	Take in first 60 credits
		Arts in Context	T1A	3	1st	
		Literature and Thought	T1LT	3	1st	
		Historical Perspectives	T1H	3	1st	
	EES 104*	Dynamic Earth w/Lab	T1NS	4	1st	
		Social Sciences	T1SS	3	2nd	
<b>LAC Tier II</b>						
		Creative Expression	T2CE	3	2nd	T1A or T1LT
		Cultural Perspectives	T2CP	3	2nd	T1A or T1H or T1LT or T1SS
	EES 224	Landform Analysis w/Lab	T2NS	3 or 4	1st	T1NS
	EES 340	Geographic Systems w/Lab	T2IT	3	3rd	T1M
		Individuals and Societies	T2IS	3	3rd	T1SS
<b>LAC Tier III</b>						
	EES 350	Field Methods in Earth Science	T3	4	4th	EES 130, 224, 330 rec.

## Environmental Earth Science Core

In plan	Course	Title	Requirement	Credit	Rec. Year	Prerequisite
<b>Major Prerequisite</b>						
	MAT 155/P	Precalculus	Elective	4 or 5	1st	
<b>Major Requirements</b>						
	EES 104*	Dynamic Earth w/Lab	Major/T1NS	4	1st	
	EES 130	Ancient Environments w/Lab	Major	4	2nd	EES 104*
	EES 224	Landform Analysis w/Lab	Major/T2NS	4	1st	EES 104*
	EES 322	Hydrology w/Lab	Major	4	3rd	EES 130,224,MAT 155/P
	EES 330	Minerology and Rock Analysis w/Lab	Major	4	2nd	EES 104*, CHE 210/212
	EES 340	Geographic Systems w/Lab	Major/T2IT	4	3rd	EES 224
	EES 344	Sedimentology and Strat. w/Lab	Major	4	3rd	EES 130, 224, 330 rec.
	EES 350	Field Methods in Earth Science	Major/T3	4	4th	EES 130, 224, 330 rec.
	EES 356	Structural Geology	Major	4	4th	EES 130,330,MAT 155/P, EES 350 rec.

## Advanced Environmental Earth Science Courses: 9-12 credits - See department website for course options

	EES	Elective	Major	3 or 4	3rd	
	EES	Elective	Major	3 or 4	4th	
	EES	Writing Intensive (Choose 1)	Major	3 or 4	4th	

## Required Courses in Related Areas

	CHE 210/212	General Chemistry I w/Lab	Major	4	1st (Fall)	ONLY offered in Fall
	CHE 211/213	General Chemistry II w/Lab	Major	4	1st (Spring)	CHE 210/212, ONLY offered in Spring
	MAT 243	Calculus I with Technology	Major/ T1M	4	2nd	MAT 155/P
Select 1 pair (204/205 OR 208/209)	PHY 204 & 205	Physics I	Major	4	3rd	
		Physics II	Major	4	3rd	PHY 204
	PHY 208 & 209	Physics I with calculus	Major	4	3rd	MAT 243
		Physics II with calculus	Major	4	3rd	PHY 208

## Recommended Electives: See department website

## Transfer Courses (ECE, AP), Wintersession Courses, Summer Courses

Subj, Crs#	Title	Requirement	Credits
Total			0

## Business Analytics - Minor Requirements

Credits required to complete a minor vary depending upon the minor selected.

In plan	Course	Title	Requirement	Credit	Rec. Year	Prerequisite
	BIS 205	Information Management	Major/T2IT	3	1st (Spring)	T1M
	ECO 215	Statistics for Bus. & Economics	Major/Minor	3	2nd (Fall)	ACC 201 & T1M or MAT 101
	BIS 373	Business Database Management	Minor	3	2nd (Spr)	BIS 205
	BIS 305	Business Analytics	Minor	3	3rd (Fall)	BIS 205
	BIS 449 (Elective)	Data Visualization	Minor	3	3rd (Spr)	BIS 305
	FIN 346	Investment Analysis	Major/Minor	3	3rd (Spr)	BIS 370

## 1st year Fall

Subj, Crs#	Title	Requirement/s	Crs.
FYI 100	First-Year Introduction	FYI	3

MAT 155/	Precalculus	Elective	4
EES 104*	Dynamic Earth w/Lab	T1NS	4
CHE 210/212	General Chemistry I w/Lab	Major	4

Total 15

## 1st year Spring

Subj, Crs#	Title	Requirement/s	Crs.
BIS 205	Information Management	Major/T2IT	3
MAT 243	Calculus I with Technology	T1M	4
EES 224	Landform Analysis w/Lab	T2NS	4
CHE 211/213	General Chemistry II w/Lab	Major	4
ENG 100/101	College Writing	T1W	3

Total 18

## 2nd year Fall

Subj, Crs#	Title	Requirement/s	Crs.
EES 130	Ancient Environments w/Lab	Major	4
EES 330	Minerology and Rock Analysis w/Lab	Major	4
	Literature and Thought	T1LT	3
ECO 215	Statistics for Bus. & Economics	Major/Minor	3
	Health and Wellness	T1HW	3

Total 17

## 2nd year Spring

Subj, Crs#	Title	Requirement/s	Crs.
BIS 373	Business Database Management	Minor	3
	Cultural Perspectives	T2CP	3
	Creative Expression	T2CE	3
EES 340	Geographic Systems w/Lab	Major/T2IT	4
	Social Sciences	T1SS	3

Total 16

## 3rd year Fall

Subj, Crs#	Title	Requirement/s	Crs.
	Individuals and Societies	T2IS	3
EES 322	Hydrology w/Lab	Major	4
EES 344	Sedimentology and Strat. w/Lab	Major	4
BIS 305	Business Analytics	Minor	3

Total 14

## 3rd year Spring

Subj, Crs#	Title	Requirement/s	Crs.
EES 350	Field Methods in Earth Science	Major/T3	4
PHY 204	Physics I	Major	4
PHY 205	Physics II	Major	4
BIS 449 (Elective)	Data Visualization	Minor	3

Total 15

## 4th year Fall

EES 356	Structural Geology	Major	4
BIS 379	Data Wrangling	Minor Elec.	3
EES	Writing Intensive (Choose 1)	Major	4
FIN 346	Investment Analysis	Major/Minor	3

Total 14

## 4th year Spring

Subj, Crs#	Title	Requirement/s	Crs.
EES	Elective	Major	4
EES	Elective	Major	4
	Historical Perspectives	T1H	3
	Arts in Context	T1A	3

Total 14

**Grand Credit Total (120 minimum) 123**

**Congratulations, Graduate!**