



NORTHERN ARIZONA UNIVERSITY

College of Engineering, Forestry, and Natural Sciences

Environmental Studies Bachelor of Science

Globalization and Environmental Change - Emphasis

Global Sustainability

2014-2015

2013-2014 Undergraduate Catalog

Four Year Progression Plan

Sample Progression Plans are for planning purposes only, see the catalog for official details.

1

Year 1 - Fall		
ENV 181	Environmental Sustainability	3
COM 150	Environmental Communication	3
MAT FOUNDATION	Mathematics Foundation Course (FRNQ)	3
DIV ELECTIVE	Diversity Elective	3
GE COURSE	General Elective Course	2
NAU 100	Transition To College	1

Year 1 - Spring		
HUM 175	Environmental Humanities	3
ENG 105	Critical Read/Writing In Univ	4
LIBST LAB	Liberal Studies (LAB) Course	4
GE COURSE	General Elective Course	4

3

Year 2 - Fall		
ENV 230	Fndtns Env Sci: Humans & Env	4
FE COURSE	Focus Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	1

2

Year 2 - Spring		
ENV 326	Ecology	3
ENV 326L	Environmental Ecology Lab	1
DIV ELECTIVE	Diversity Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	3

2

Year 3 - Fall		
PHI 331	Environmental Ethics	3
POS 359	Environmental Policy	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Year 3 - Spring		
ENV 301W	Topics In Enviro Studies	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Meet with your advisor to discuss internship or research options.

4

Year 4 - Fall		
Choose one of the options below:		
Option: A		
ENV 408	Field Work Experience	3
Option: B		
ENV 485	Undergraduate Research	3
Option: C		
ENV 497	Independent Study	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3
Submit graduation application this term.		

4

Year 4 - Spring		
ENV 490C	Senior Sem In Enviro Sciences	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

University Requirements Specified by Major	
Foundation Requirements: English (FNRQ:ENG)	ENG 105 (4)
Foundation Requirements: Math (FNRQ:MAT)	MAT FOUNDATION (3)
Aesthetic and Humanistic Inquiry (AHI)	HUM 175 (3), PHI 331 (3)
Social and Political Worlds (SPW)	COM 150 (3), POS 359 (3)

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

A grade of C or better is required for all core and ~~focus area~~ ^{emphasis} classes (except ENV 408, 485 or 497)

* Math foundation is satisfied with MAT 114; however, some courses in the ~~focus area~~ ^{emphasis} have higher level math courses as a pre-requisite.

** ~~Focus~~ ^{Emphasis} ~~electives~~ ^{3 units} include ~~24~~ ¹⁵ units from the ~~focus area~~ ^{emphasis} listed below. You must complete ~~6~~ ^{3 units} units from Group A (natural sciences) and ~~9~~ ^{3 units} units each from Group B (social sciences) and Group C (humanities). You may also take other courses consistent with your ~~focus area~~ ^{emphasis} with approval from your advisor. ~~Courses with pre-requisites or co-requisites are noted with (#); the pre-requisite needs to be taken before the desired course, and co-requisites need to be taken with the desired course.~~ Courses that also satisfy liberal studies or diversity requirements are indicated in () with their appropriate distribution block.

Globalization & Environmental Change

~~Group A: AIS 470 (#), BIO 373 (#), BIO 374 (#), CENE 150 (#), CENE 440 (#), ENV 115 (SCI: SAS), ENV 440/440L (#), ENV 495 (#), FOR 230 (SPW & E), FOR 255 (SCI: SAS & G), FOR 340 (SCI: SAS & #), FOR 381, FOR 415 (G & #), GLG 107 (SCI: SAS), GLG 451 (#), HS 471 (E & #)~~

~~Group B: ANT 459 (E & #), CCI 312, ECO 325 (#), ECO 328 (#), FOR 493 (#), GGR 457 (#), GSP 240 (SPW), GSP 241 (SPW & G), GSP 376 (SPW), POS 344 (SPW), POS 361 (SPW, G & #), POS 455, PRIM 300, PSY 411 (#), SOC 319, SOC 333 (SPW), SOC 414, SOC 444 (#)~~

~~Group C: COM 250 (AHL), HA 284, HUM 373 (CU & #), REL 391 (CU & #)~~

CONTACT INFORMATION

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EMAIL: cefnsacademic@nau.edu

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Environmental Studies Programs
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<http://nau.edu/CEFNS/NatSci/SESES/Degrees-Programs/>

- | | | |
|-------------|--------------------------|-----|
| ① ENV 115 | Climate Change | (3) |
| ② POS 110 | American Politics | (3) |
| ③ ENV 377 | Humans & The Hydrosphere | (3) |
| ④ GE COURSE | General Elective Course | (3) |

⑤ Some courses may also have prerequisites that you must also take. For more information refer to the academic catalog or see your advisor.

⑥ Global Sustainability:

Natural Sciences

- ANT 102 (CUG), ANT 301 (SPWG)
- BIO 373, BIO 374
- CENE 150
- ENV 440, ENV 440L, ENV 495
- FOR 222 (SPW), FOR 240 (SAS), FOR 255 (SASG), FOR 340 (SAS)
- FOR 415 (G)
- GLG 107 (G), GLG 451
- ME 451

Social Sciences

- CCJ 312
- ECO 324
- GSP 240 (SPW), GSP 241 (SPWG), GSP 371, GSP 376 (SPW)
- POS 455
- PRM 300, PRM 446
- SOC 319, SOC 333 (SPW), SOC 414, SOC 444

Humanities:

- CM 120
- HA 284
- HUM 373 (CU)
- REL 391 (CU)



NORTHERN ARIZONA UNIVERSITY

College of Engineering, Forestry, and Natural Sciences

Environmental Studies Bachelor of Science

Southwest Environment - Emphasis

2014-2015

2013-2014 Undergraduate Catalog

Four Year Progression Plan

Sample Progression Plans are for planning purposes only, see the catalog for official details.

Year 1 - Fall		
ENV 181	Environmental Sustainability	3
COM 150	Environmental Communication	3
MAT FOUNDATION	Mathematics Foundation Course (FRNQ)	3
DIV ELECTIVE	Diversity Elective	3
GE COURSE	General Elective Course	3
NAU 100	Transition To College	1

Year 1 - Spring		
HUM 175	Environmental Humanities	3
ENG 105	Critical Read/Writing In Univ	4
LIBST LAB	Liberal Studies (LAB) Course	4
GE COURSE	General Elective Course	4

Year 2 - Fall		
ENV 230	Fndtns Env Sci: Humans & Env	4
FE COURSE	Focus Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	2

Year 2 - Spring		
ENV 326	Ecology	3
ENV 326L	Environmental Ecology Lab	1
DIV ELECTIVE	Diversity Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	2

Year 3 - Fall		
PHI 331	Environmental Ethics	3
POS 359	Environmental Policy	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Year 3 - Spring		
ENV 301W	Topics In Enviro Studies	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Meet with your advisor to discuss internship or research options.

Year 4 - Fall		
Choose one of the options below:		
Option: A		
ENV 408	Field Work Experience	3
Option: B		
ENV 485	Undergraduate Research	3
Option: G		
ENV 497	Independent Study	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Submit graduation application this term.

Year 4 - Spring		
ENV 490C	Senior Sem In Enviro Sciences	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	2

University Requirements Specified by Major	
Foundation Requirements:English (FNRQ:ENG)	ENG 105 (4)
Foundation Requirements:Math (FNRQ:MAT)	MAT FOUNDATION (3)
Aesthetic and Humanistic Inquiry (AHI)	HUM 175 (3), PHI 331 (3)
Social and Political Worlds (SPW)	COM 150 (3), POS 359 (3)

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

A grade of C or better is required for all core and focus area classes (except ENV 408, 485 or 497)

* Math foundation is satisfied with MAT 114; however, some courses in the focus area have higher level math courses as a pre-requisite.

** Focus electives include 24 units from the focus area listed below. You must complete 6 units from Group A (natural sciences) and 9 units each from Group B (social sciences) and Group C (humanities). You may also take other courses consistent with your focus area with approval from your advisor. Courses with pre-requisites or co-requisites are noted with (#); the pre-requisite needs to be taken before the desired course, and co-requisites need to be taken with the desired course. Courses that also satisfy liberal studies or diversity requirements are indicated in (L) with their appropriate distribution block.

The Southwest Environment

Group A: AIS 470 (#), BIO 414 (#), CENE 150 (#), ENV 115 (SCI: SAS), ENV 440/440L (#), FOR 230 (SPW & E), FOR 250 (SCI: SAS), FOR 270 (SCI: SAS & E), FOR 340 (SCI: SAS & #), FOR 370 (SCI: SAS & #), FOR 479 (#), FOR 381, GLG 303, GLG 304 (SCI: LAB & #), ME 451(#)

Group B: ANT 102 (CU & G), ANT 305 (CU & E), ANT 306 (SPW & E), ANT 351 (SPW & E), ANT 459 (E & #), CCI 312, ECO 325 (#), ECO 328 (#), GCS 350, PL 407, POS 347(#), POS 455, PRM 446, PSY 411 (#), SOC 333 (SPW), SOC 444 (#)

Group C: COM 250 (AHI), ENG 464 (#), GCS 352 (#), HIS 308 (AHI), HIS 368 (#), HIS 381(CU & E), HIS 397 (SPW), HUM 130 (CU/AHI as of spring 2010 & E), HUM 373 (CU & #)

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①

Year 1 - Fall		
ENV 181	Environmental Sustainability	3
COM 150	Environmental Communication	3
MAT FOUNDATION	Mathematics Foundation Course (FRNQ)	3
DIV ELECTIVE	Diversity Elective	3
GE COURSE	General Elective Course	2
NAU 100	Transition To College	1

Year 1 - Spring		
HUM 175	Environmental Humanities	3
ENG 105	Critical Read/Writing In Univ	4
LIBST LAB	Liberal Studies (LAB) Course	4
GE COURSE	General Elective Course	4

③

②

Year 2 - Fall		
ENV 230	Fndtns Env Sci: Humans & Env	4
FE COURSE	Focus Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	2

Year 2 - Spring		
ENV 326	Ecology	3
ENV 326L	Environmental Ecology Lab	1
DIV ELECTIVE	Diversity Elective	3
LIBST COURSE	Liberal Studies Course	3
LIBST COURSE	Liberal Studies Course	3
GE COURSE	General Elective Course	3

③

Year 3 - Fall		
PHI 331	Environmental Ethics	3
POS 359	Environmental Policy	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Meet with your advisor to discuss internship or research options.

Year 3 - Spring		
ENV 301W	Topics In Enviro Studies	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Year 4 - Fall		
Choose one of the options below:		
Option A		
ENV 408	Field Work Experience	3
Option B		
ENV 485	Undergraduate Research	3
Option C		
ENV 497	Independent Study	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	3

Submit graduation application this term.

④

Year 4 - Spring		
ENV 490C	Senior Sem In Enviro Sciences	3
FE COURSE	Focus Elective	3
FE COURSE	Focus Elective	3
GE COURSE	General Elective Course	3
GE COURSE	General Elective Course	2

University Requirements Specified by Major	
Foundation Requirements: English (FNRQ:ENG)	ENG 105 (4)
Foundation Requirements: Math (FNRQ:MAT)	MAT FOUNDATION (3)
Aesthetic and Humanistic Inquiry (AHI)	HUM 175 (3), PHI 331 (3)
Social and Political Worlds (SPW)	COM 150 (3), POS 359 (3)

PROGRAM INFORMATION

A minimum of 120 units are required for this degree.

A grade of C or better is required for all core and ^{emphasis} focus area courses (except ENV 408, 485 & 497)

* Math foundation is satisfied with MAT 114; however, some courses in the ^{emphasis} focus area have higher level math courses as a pre-requisite.

**You must demonstrate proficiency in a language other than English that is equivalent to two years of university course work. You may satisfy this requirement by taking language courses or by testing out of all or part of it by taking the CLEP exam.

*** ^{emphasis} Focus electives includes ¹⁵ 24 units from the focus area listed below. You must complete ^{3 units} 6 units from Group A (natural sciences) and ^{3 units} 9 units each from Group B (social sciences) and Group C (humanities). You may also take other courses consistent with your ^{emphasis} focus area with approval from your advisor. ^(S) Courses with pre-requisites or co-requisites are noted with (#); the pre-requisite needs to be taken before the desired course, and co-requisites need to be taken with the desired course. Courses that also satisfy liberal studies or diversity requirements are indicated in () with their appropriate distribution block.

(6) Sustainability, Community and Bio-cultural Diversity

Group A: AIS 470 (#), CENE 150 (#), ENV 115 (SCI: SAS), ENV 440/440L (#), FOR 222 (SPW), FOR 230 (SPW & E), FOR 240 (SCI: SAS), FOR 270 (SCI: SAS & E), FOR 370 (SCI: SAS & #), FOR 381

Group B: ANT 102 (CU & G), ANT 205 (CU & E), ANT 301 (SPW & G), ANT 370 (SPW), ANT 459 (E & #), CCI 312, ECO 325 (#), ECO 328 (#), FOR 493 (#), GCS 350, GGR 248 (CU), GGR 371, PL 301, PL 376 (SPW), POS 344 (SPW), POS 455, PSY 411 (#), SOC 319, SOC 333 (SPW), SOC 334, ~~SOC 444 (#)~~

Group C: CM 120, COM 250 (AHI), GCS 352(#), HIS 308 (AHI), HIS 368 (#), HIS 397 (SPW), HUM 130 (CU/AHI as of spring 2010 & E), ~~HUM 373 (CU & #)~~

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<http://nau.edu/CEFNS/NatSci/SESES/Degrees-Programs/>

- | | | |
|-------------|----------------------------|-----|
| ① ENV 115 | Climate Change | (3) |
| ② POS 110 | American Politics | (3) |
| ③ ENV 373 | Southwest Env Through Time | (3) |
| ④ GE COURSE | General Elective Course | (3) |

⑤ Some courses may have prerequisites that you must also take. For more information refer to the Academic Catalog or see your advisor.

⑥ Southwest Environments and Biocultural Diversity

Natural Sciences:

- A1S 470
- BIO 414
- CENE 440
- ENV 375
- FOR 230 (SPW E), FOR 250 (SAS), FOR 270 (SAS E), FOR 370 (SAS)
- FOR 381, FOR 479
- GLG 303, GLG 304 (LAB)
- HS 471 (E)

Social Sciences:

- ANT 205 (CUE), ANT 306 (SPW E), ANT 351 (SPW E), ANT 370 (SPW)
- ECO 328
- FOR 493
- GSP 148 (CU)
- POS 344 (SPW)
- PSY 411

Humanities

- COM 250 (AHI)
- ENG 464
- HIS 308 (AHI), HIS 368, HIS 381 (CUE), HIS 397 (SPW)
- HUM 130 (AHI E)