

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE

Environmental Science is an interdisciplinary degree program that prepares students for the analytical pursuits associated with natural systems. In this program, students will be immersed in quantitative and applicational experiences that engage the pressing demands and research questions emerging in environmental science. With the support of experienced faculty, diverse courses, and profound facilities, students will gain access to opportunities for studying the topics that interest them most, such as earth and atmospheric systems, watershed science, environmental information and mapping, renewable energy, and health and the environment. Furthermore, students will critically reflect on the points of synergy and friction that exist between their human experience and natural phenomena to inform the demands of an evolving social, economic, and political landscape.

Academic Advisor and Curriculum Coordinator: Dr. Chayton Massic

Required Courses

APM 105

APM 106

APM 210

EFB 101

EFB 102

EFB 103

EFB 104

EFB 120

EFB 320

ENS 132

ENS 232

ESF 300

EWP 190

EWP 290

EWP 407

FCH 150

FCH 151

FCH 152

FCH 153

FOR 207

EPH 201

EPH 202

EPH 203

EPH 204

Lower Division Electives

Course	Codes*	Credits
Free electives		12
General Education Course in two of the following categories: US History & Civic Engagement, The Arts, World History and Global Awareness, World Languages	G	6
General Education Course in Diversity, Equity, Inclusion and Social Justice	G	3

Dimensions of the Environment

Students must complete one course from each of the following dimensions of environment.

NOTE: Courses used to satisfy the Dimensions of Environment requirements may NOT be used to also satisfy the Advanced STEM requirements or the Option Area of Focus Requirements.

The Physical Environment

EST 231

FCH 210

FCH 221

FCH 360

FCH 399

FOR 338

FOR 340

FOR 345

The Living Environment

EFB 303

EFB 307

EFB 326

EFB 336

EFB 340

EFB 342

EFB 351

EFB 352

EFB 355

EFB 384

EFB 385

EFB 388

EFB 390

EFB 440

EFB 462

EFB 483

EFB 485

EFB 486

The Social Environment

EFB 337

EST 220

EST 321

EST 361

EST 390

EST 450

EWP 390

FCH 390

FOR 465

FOR 487

FOR 489

Advanced STEM

Students must complete two courses in Advanced Science, Technology, Engineering, and Mathematics (STEM).

NOTE: Courses used to satisfy Advanced STEM requirements may NOT be used to also satisfy the Dimensions of Environment requirements or the Option Area of Focus requirements.

Course	Codes*	Credits
Advanced Courses in STEM		6

Option Areas of Focus

Students must complete the requirements of ONE of the following option areas of focus.

NOTE: Courses used to satisfy Option Area of Focus requirements may NOT be used to also satisfy the Dimensions of Environment requirements or the Advanced STEM requirements.

NOTE: With approval from the academic advisor and curriculum coordinator, students may select courses beyond those in the lists below that align with the option area (e.g., special topics courses).

Environmental Information and Mapping (16 credits required)

Required courses

ERE 365

ERE 371

FOR 458

GEO 381

3

LSA 301

Watershed Science (15 credits required)

Required courses

FOR 340

FOR 345

FOR 442

Choose two courses from the list below:

EFB 424

EFB 449

EFB 486

EFB 487

EFB 542

ERE 412

FOR 338

Health and the Environment (17 credits required)

Required Courses

EHS 250

EFB 400

EFB 360

Choose three courses from the list below

EFB 303

EFB 307

EFB 308

EFB 325

EFB 385

EFB 453

EFB 462

EHS 320

EHS 350

EHS 440

EHS 480

ENS 470

FST 102

3

Earth and Atmospheric Systems Science & Analysis (16 credits required)

Required Courses

FCH 399

EFB 424

FOR 345

Choose two courses from the list below:

APM 307

APM 485

ERE 365

FCH 380

FCH 381

FCH 510

FCH 511

FCH 515

FCH 525

NOTE: Upon consultation with coordinator, students may select courses beyond those listed above that align with professional goals.

Renewable Energy (15 credits required)

Required Courses

SRE 325

SRE 337

SRE 479

CHOOSE ONE OF THE
FOLLOWING:

CME 305

SRE 441

Choose one of the following:

EST 427

FCH 360

ECH 202

ECH 212

SRE 422

SRE 416

SRE 454

NOTE: Upon consultation with option area coordinator, students may select courses beyond those listed above that align with professional goals.

Upper Division Electives

Course	Codes*	Credits
Electives		15

Students completing the environmental science program must complete 15 credits of upper division electives to satisfy the graduation requirements. Courses taken to satisfy the Dimensions of Environment, Advanced STEM, or Option Area requirements cannot also be used to satisfy the upper division elective requirements. With that said, students may design their own block of electives. These upper division elective requirements can also be satisfied by choosing an official college minor. A list of minors is linked [here](#).

Senior Synthesis

Capstone Courses

ENS 494

CHOOSE ONE OF THE
FOLLOWING:

ENS 420

ENS 498

EFB 425

SRE 481

NOTE: ENS 498 and ENS 420 are taken for 3 credits

Total Minimum Credits For Degree: 126

