# Bachelor of Science in Environmental Science
## CONCENTRATION IN BIOLOGY
### MAJOR MAP | 2019-2020

### YOUR CLASS SCHEDULE
- **FRESHMAN**
  - Focus on math and prerequisite science courses. Please note that the Math sequence is dependent on which Math you begin with according to your entrance test scores.
  - Spread out your core courses to maintain a manageable workload and be prepared to take summer classes.
  - Take Pre-Calculus MATH 1508 or Calculus I MATH 1411, ESCI1301-1301, BIOL 1305-1107 & UNIV 1301 in the fall.
  - Take ESCI 1310, BIOL 1306-1108, RWS 1301, COMM 1301 in the spring.
  - Take HIST 1301 in summer I & HIST 1302 in summer II.

- **SOPHOMORE**
  - Take ESCI 2204, STAT 2480, RWS 1302 and a lower division biology elective in the fall.
  - Take ESCI 2201, ESCI 2105, CHEM 1305-1105, BIOL 3316-3117, & ART 1300 in the spring.
  - Take POLS 2310 in summer I & POLS 2311 in summer II.
  - Note that the university core courses listed are examples; refer to the Undergraduate Catalog for all core class options.

- **JUNIOR**
  - Complete all lower division courses. Take CHEM 1306-1106, ESCI 3192 & PSYC 1301 in the fall.
  - Take PHIL 2306 and upper division electives in spring.
  - Take ESCI 4398 (internship) in the summer.

- **SENIOR**
  - Take ESCI 4320 and Upper Division Electives in the fall.
  - Take ESCI 4301, BIOL 4428; Complete Upper Division Electives in the spring.
  - Complete all remaining degree requirements as needed.

### ACADEMIC ADVISING
- **FRESHMAN**
  - Register for first available New Student Orientation.
  - Complete all College of Science CORE office advising requisites.
  - Be prepared to take summer classes as needed to stay on track.
  - Visit your Undergraduate Advisor in April or late March for fall advising.
  - Visit your Undergraduate Advisor in mid-October for spring advising.

- **SOPHOMORE**
  - Complete all College of Science CORE office advising requisites.
  - Visit your Undergraduate Advisor in April or late March for fall advising.
  - Visit your Undergraduate Advisor in mid-October for spring advising.
  - Register for 15 credit hours if you have a scholarship or a max of 12 credit hours if you are working 20 hours a week, 9 credit hours if you are working 30 hours, or 6 credit hours if you are working 40 hours a week.

- **JUNIOR**
  - Complete all College of Science CORE office advising requisites.
  - Visit your Undergraduate Advisor in April or late March for fall advising.
  - Visit your Undergraduate Advisor in mid-October for spring advising.

- **SENIOR**
  - Complete all College of Science CORE office advising requisites.
  - Fulfill ESCI 4398 Internship requirements with a professor whose class you enjoy and approach them about volunteering in their lab.
  - Attend and present your research at conferences, symposiums, colloquia and workshops.
  - Find a professor whose class you enjoy and approach them about volunteering in their lab.

### ENRICHING EXPERIENCES
- **FRESHMAN**
  - Explore student organizations such as SEEDS Environmental Advocates or the Association of Women in Geosciences.
  - Cultivate research experience in the field with an NSF Research Experience for Undergraduates.
  - Apply to year round internships and summer opportunities available to undergraduates.
  - Check your UTEP email frequently to learn about scholarships, fellowships, and department opportunities.

- **SOPHOMORE**
  - Investigate opportunities that allow you to study abroad or gain research experience abroad.
  - Participate in Earth Day Outreach activities in the spring semester and Earth Science Week activities in the fall semester.
  - Attend the Geological Sciences Student Research Colloquium in March.
  - Attend and present your research at conferences, symposiums, colloquia and workshops.
  - Find a professor whose class you enjoy and approach them about volunteering in their lab.

- **JUNIOR**
  - Attend and present your research at conferences, symposiums, colloquia and workshops.
  - Develop and maintain professional contacts.
  - Investigate licensure as needed in the department.
  - Investigate opportunities that allow you to study abroad or gain research experience abroad.
  - Participate in Earth Day Outreach activities in the spring semester and Earth Science Week activities in the fall semester.
  - Attend the Geological Sciences Student Research Colloquium in March.

- **SENIOR**
  - Complete applications by November if pursuing graduate school.
  - Investigate licensure as needed in the state you are seeking employment.
  - Build and maintain professional network contacts.
  - Acquire letters of reference and recommendations from faculty and mentors.
  - Complete applications by November if pursuing graduate school.
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### LIFELONG SUCCESS
- **FRESHMAN**
  - Strive for high grades to become eligible for the College of Science Dean’s List and Honor Societies.
  - Explore the Campus Office of Undergraduate Research Initiatives (COURI).
  - Discover tutoring resources such as the University Writing Center and the Math Resource Center for Students.
  - Register at the Career Center and obtain on-campus employment.
  - Discover professional opportunities at the UTEP Career Expo.

- **SOPHOMORE**
  - Apply for membership in UTEP Student Government and promote campus-wide STEM involvement and participation.
  - Cultivate healthy lifestyle habits by visiting the Student Recreation Center.
  - Participate in department career workshops for resume tips and begin developing your college.
  - Visit the University Career Center and begin developing your resume.

- **JUNIOR**
  - Research and prepare for necessary graduate exams and certification exams.
  - Continue to strive for a high GPA in both your major and overall to qualify for the Dean’s List and any Graduate Fast Track programs you seek to pursue.
  - Attend networking open houses in various industry sites and be community-minded.
  - Discover professional opportunities at the UTEP Career Expo.

- **SENIOR**
  - Participate in department career workshops for resume tips and begin developing your college.
  - Complete applications by November if pursuing graduate school.
  - Investigate licensure as needed in the state you are seeking employment.
  - Build and maintain professional network contacts.
  - Acquire letters of reference and recommendations from faculty and mentors.
  - Discover professional opportunities at the UTEP Career Expo.

### EDGE ADVANTAGES | UTEP students will graduate with these skills:
- Leadership
- Problem-solving
- Communication
- Entrepreneurship
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

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**COLLEGE OF GEOLOGICAL SCIENCES | GEOLOGY BUILDING ROOM 101 | 915-747-5501 | GEOLOGY@UTEP.EDU**

**UPDATED 02/21/2019**
The top 10 skills employers seek:

- Ability to verbally communicate with persons inside and outside the organization
- Ability to work in a team structure
- Ability to make decisions and solve problems
- Ability to plan, organize and prioritize work
- Ability to obtain and process information
- Ability to analyze quantitative data
- Technical knowledge related to the job
- Proficiency with computer software programs
- Ability to create and/or edit written reports
- Ability to sell or influence others

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Seek UT

The UT System has developed SeekUT to provide valuable data about employment earnings for the first five years after graduation, as well as average student loan debt for graduates by degree major.

- View information about your degree major with this free, on-line tool.
- Get real data about employment earnings based on more than 210,000 UTEP and other UT institution graduates working in Texas.
- Explore graduate school data, too.

www.utsystem.edu/seekUT

Notes

Checklist for success

☐ Create a Job Mine account.

☐ Check in with your advisor.

☐ Review your degree plan to stay on track. (degreeplans.utepe.edu)

☐ Attend a financial literacy workshop.

☐ Visit the Student Engagement & Leadership Center (SELC). (sa.utepe.edu/selc)