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

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>SOPHOMORE</th>
<th>JUNIOR</th>
<th>SENIOR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td><strong>SOPHOMORE</strong></td>
<td><strong>JUNIOR</strong></td>
<td><strong>SENIOR</strong></td>
</tr>
<tr>
<td><strong>YOUR CLASS SCHEDULE</strong></td>
<td><strong>ACADEMIC ADVISING</strong></td>
<td><strong>ENRICHING EXPERIENCES</strong></td>
<td><strong>LIFELONG SUCCESS</strong></td>
</tr>
<tr>
<td>- 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.</td>
<td>- Register for first available New Student Orientation.</td>
<td>- Explore student organizations such as SEEDS Environmental Advocates or the Association of Women in Geoscience.</td>
<td>- Strive for high grades to become eligible for the College of Science Dean’s List and Honor Societies.</td>
</tr>
<tr>
<td>- Spread out your core courses to maintain a manageable workload and be prepared to take summer classes.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Cultivate research experience in the field with an NSF Research Experience for Undergraduates.</td>
<td>- Research and prepare for necessary graduate exams and certification exams.</td>
</tr>
<tr>
<td>- Take Pre-Calculus MATH 1508 or Calculus I MATH 1411, ESCI 1301-1302, GEOL 1313, &amp; UNIV 1301 in the fall.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Apply to year round internships and summer opportunities available to undergraduates.</td>
<td>- Continue engaging in community outreach and volunteer events.</td>
</tr>
<tr>
<td>- Take Calculus I MATH 1411 or Calculus II MATH 1312, ESCI 1310, GEOL 1306, &amp; CHEM 1305-1307 in the spring.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Check your UTEP email frequently to learn about scholarships, fellowships, and department opportunities.</td>
<td>- Attend and present your research at conferences, symposiums, colloquiums and workshops.</td>
</tr>
<tr>
<td>- Take HIST 1301 in summer I &amp; HIST 1302 in summer II.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Investigate opportunities that allow you to study abroad or gain research experience abroad.</td>
<td>- Complete applications by November if pursuing graduate school.</td>
</tr>
<tr>
<td>- Note that the university core courses listed are examples; refer to the Undergraduate Catalog for all core class options.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Investigate licensure as needed in the state you are seeking employment.</td>
</tr>
<tr>
<td>- Take ESCI 2204, STAT 2480, GEOL 2301-2310, GEOL 3312-3312, &amp; RWS 1301 in the fall.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Build and maintain professional network contacts.</td>
</tr>
<tr>
<td>- Take ESCI 2201 and ESCI 2105, MATH 2326, CHEM 1306-1306, &amp; RWS 1302 in the spring.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Acquire letters of reference and recommendations from faculty and mentors.</td>
</tr>
<tr>
<td>- Take ART 1300 in summer I &amp; PSYC 1301 in summer II.</td>
<td>- 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.</td>
<td>- Attend the Geological Sciences Student Research Colloquium in March.</td>
<td>- Discover professional opportunities at the UTEP Career Expo.</td>
</tr>
<tr>
<td>- Note that the university core courses listed are examples; refer to the Undergraduate Catalog for all core class options.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Attend and present your research at conferences, symposiums, colloquiums and workshops.</td>
<td>- Develop your resume and approach them about volunteering in various industry sites and be community-minded.</td>
</tr>
<tr>
<td>- Take ESCI 3102, GEOL 3326-3326, GEOL 3323-3323, &amp; PHYS 2320-2320, &amp; COMM 1301 in the fall.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Fulfill ESCI 4398 Internship requirements by choosing your own organization, such as the Texas Parks &amp; Wildlife, or have faculty select the organization you work with to complete this course.</td>
<td>- Discover professional opportunities at the UTEP Career Expo.</td>
</tr>
<tr>
<td>- Take ESCI 4303, POLS 2310, and upper division electives in the spring.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Attend and present your research at conferences, symposiums, colloquiums and workshops.</td>
<td>- Complete applications by November if pursuing graduate school.</td>
</tr>
<tr>
<td>- Take POLS 2311 and ESCI 4398 (internship) in the summer.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Find a professor whose class you enjoy and approach them about volunteering in their lab.</td>
<td>- Investigate licensure as needed in the state you are seeking employment.</td>
</tr>
<tr>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Fulfill ESCI 4398 Internship requirements by choosing your own organization, such as the Texas Parks &amp; Wildlife, or have faculty select the organization you work with to complete this course.</td>
<td>- Build and maintain professional network contacts.</td>
</tr>
<tr>
<td>- Take ESCI 4320, GEOL 4383, PHYS 2230, and an upper division elective in the fall.</td>
<td>- Visit your Undergraduate Advisor in April or late March for fall advising.</td>
<td>- Attend the Geological Sciences Student Research Colloquium in March.</td>
<td>- Acquire letters of reference and recommendations from faculty and mentors.</td>
</tr>
<tr>
<td>- Take ESCI 4301, and upper division electives in the spring.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Attend and present your research at conferences, symposiums, colloquiums and workshops.</td>
<td>- Discover professional opportunities at the UTEP Career Expo.</td>
</tr>
<tr>
<td>- Take ESCI 4375 in Wintermester.</td>
<td>- Complete all College of Science CORE office advising requisites.</td>
<td>- Fulfill ESCI 4398 Internship requirements by choosing your own organization, such as the Texas Parks &amp; Wildlife, or have faculty select the organization you work with to complete this course.</td>
<td>- Complete applications by November if pursuing graduate school.</td>
</tr>
<tr>
<td>- Complete all remaining degree requirements as needed.</td>
<td>- Visit your Undergraduate Advisor in mid-October for spring advising.</td>
<td>- Attend and present your research at conferences, symposiums, colloquiums and workshops.</td>
<td>- Complete applications by November if pursuing graduate school.</td>
</tr>
</tbody>
</table>

### EDGE ADVANTAGES | UTEP students will graduate with these skills:

- Leadership
- Problem-solving
- Communication
- Entrepreneurship
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

---

**COLLEGE OF SCIENCE | CHEMISTRY & COMPUTER SCIENCE BUILDING | 915-747-8027 | SCIENCE@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

©2015 National Association of Colleges and Employers

Checklist for success

☐ Create a Job Mine account.

☐ Check in with your advisor.

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

☐ Attend a financial literacy workshop.

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

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

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________

________________________________________