Additional Info

- Pay attention to prerequisites and course sequences. Some of the major foundational courses are offered only once per year.
- Don't neglect your Language Proficiency requirement.
- To graduate, students must have an overall GPA of 2.0.
- You are encourage to take some core courses and required major courses each semester to graduate in four years.
- Five concentrations are available for this major: *Earth and Ocean Sciences, Environmental Chemistry, Environmental Biology, Interdisciplinary Environmental Science, Environment and Society*
- Always seek advice from your advisor when you plan your class schedule each semester

Contact Info

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UTRio Grande Valley

BLUE PRINT

ENVIRONMENTAL SCIENCES (BS)
***Interdisciplinary Concentration**
Catalog: 2018-19
COLLEGE OF SCIENCES

Degree Info

The multidisciplinary Bachelor of Science degree in Environmental Science prepares graduates for careers at local, state and federal government agencies, non-profit organizations, and environmental consulting firms. Additionally, graduates of this program are prepared to continue onto graduate studies in order to pursue research and scholarship opportunities. The program core focuses on key environmental issues while the restricted electives allow the students to choose to focus on areas of interest to the individual student.

2018-2019 ACADEMIC PLAN

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
Choose 1	Communication	ENVR 2302	Environment and Society	ENVR 3303	Research Methodology and Data Analysis in Environmental Sciences	33XX-43XX	Free Advanced Elective
ENVR 1402	Intro to Environmental Science I	BIOL 1406	General Biology I	CHEM 1311	General Chemistry I	Choose 1	PHYS 1401 General Physics I or PHYS 2425 Physics for Scien. & Engr. I
GEOL 1403	Physical Geology	Choose 1	Language, Philosophy & Culture	CHEM 1111	General Chemistry I Lab	Choose 1	ES Major Interdisciplinary Env. Science Conc. Elective
Choose 1	Social and Behavioral Sciences	Choose 1	Government/Political Science	Choose 1	American History (Core)		
UNIV 1301	Learning Framework	MATH 2413	Calculus I	Choose 1	Integrative/Experiential Learning	Choose 1	ES Major Interdisciplinary Env. Science Conc. Elective
				Choose 1	ES Major Interdisciplinary Env. Science Conc. Elective	33XX-43XX	Free Advanced Elective
Choose 1	Communication	ENVR 2302	Environment and Society	GEOL 4411	Intro to Geographic Info Systems	Choose 1	ES Major Interdisciplinary Env. Science Conc. Elective
ENVR 1402	Intro to Environmental Science II	Choose 1	Supporting Science: Rec- BIOL 1407	34XX-44XX	Free Advanced Elective	Choose 1	ES Major Interdisciplinary Env. Science Conc. Elective
Choose 1	MATH 1314 College Algebra or MATH 2412 Pre-Calculus	MATH 1342	Elementary Statistical Methods	Choose 1	American History		
Choose 1	Creative Arts	Choose 1	Government/Political Science	ENVR 3302	Environmental Ethics	Choose 1	Supporting Science
		ENVR 3301	Natural Resources Conservation				

Courses in red are part of the General Education Core Curriculum (GEC).

"Choose 1" indicates course options. If options are not listed, please review the 2018-19 General Education Core or the degree plan for this major: www.utrgv.edu/degreeplans.

BLUEPRINT EXPERIENCES

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR AND BEYOND
MILESTONES	☐ UTRGV has a Writing Center and a Learning Center. Make it a point to visit them! ☐ Complete your core English classes (section 010) during your first year. ☐ Complete 30 credit hours every year in order to graduate in 4 years. ☐ Shoot for a GPA of **4.0!** ☐ Take MATH 1314, College Algebra in your first year. ☐ Join the SHIP-GEO email list ☐ Familiarize yourself with your four-year course sequence (roadmap) and degree plan	☐ Shoot for a GPA of **4.0!** ☐ Complete major foundation classes, such as Earth System Science ENVR 2301. ☐ Complete 30 credit hours. ☐ Apply to the Environmental Science Program.	☐ Shoot for a GPA of **4.0!** ☐ Complete 30 credit hours. ☐ Have you landed an internship or acquired research experience? This is the year to make it happen.	☐ Shoot for a GPA of **4.0!** ☐ "I have a plan for after graduation." If this describes you, great! If not, visit your Faculty Advisor or Career Center! ☐ Complete at least 30 credit hours to graduate. ☐ Submit your application(s) for graduate school, an apprenticeship, or for fulltime employment.
ADVICE & SUPPORT	☐ Meet with your academic advisor and bring your orientation folder with you to every session! ☐ Choose a major with confidence- Visit my.UTRGV.edu and check out MyMajors. ☐ Visit a faculty member during their office hours and ask many questions about classes. ☐ Classes fill up fast. When registration opens, be sure to register on the first day for your group. ☐ Cold or flu getting you down? We have Student Health Services on campus with free office visits.	☐ Want to explore different careers? Check out MyMajors! ☐ Come ready with course suggestions and questions when you visit your academic advisor. ☐ Visit the Communication Hauser Lab for help with your speeches. ☐ Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available	☐ Seek out research opportunities within your major and join a professional organization such as, The Geological Society of America. ☐ Check DegreeWorks to make sure you are on track for graduation next year. ☐ Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.	☐ Engage in an independent study project or an academic internship to complement your major, such as with State or Federal agencies ☐ Discuss future plans with your faculty mentor or advisor that includes employment, finances, and other life goals. ☐ Apply for graduation one semester prior to your anticipated date. Visit the Academic Advising Center to ensure you are on track.
APPLY WHAT YOU LEARN	☐ Look for a service-learning course! For guidance, visit Engaged Scholarship & Learning Office. ☐ Participate in a campus-sponsored community service project. ☐ Talk to faculty about student research opportunities	☐ To find undergraduate research opportunities, visit the Engaged Scholarship & Learning Office, or your major advisor ☐ Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.	☐ Go show off your research, service-learning or creative works at the Engaged Scholar Symposium! ☐ Sharpen your writing skills! Take an intensive writing course such as Technical Writing or become an officer for your organization.	☐ Continue to present research or creative works at the Engaged Scholar Symposium or other scientific meetings. ☐ Set up an informational interview with an individual (especially an alumnus) currently in the field you aspire to work in.
GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT	☐ Set up your profile on the Engagement Zone through My.UTRGV.edu. ☐ Attend a diversity based campus or community event (e.g. MLK Day of Service). ☐ Attend a departmental program such as SHIP-GEO fieldtrips ☐ Join a student organization! Consider the Geology Club	☐ Look at study abroad opportunities. ☐ Check out a cultural campus or community event such as HESTEC or FESTIBA. ☐ Join another student organization. ☐ Check out a campus event that offers free lunch- bring a friend!	☐ Consider serving on a campus life/community committee or become a student leader and make a difference. Visit VLink or speak with your Student Government Association for more information! ☐ Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.	☐ Identify employers of interest and seek them out at job fairs, online, at on-campus information sessions, staffing agencies, etc. The Career Center can help. ☐ Before a job interview, schedule a mock interview with the Career Center or speech coaching with the Communication Hauser Lab.
LIFE AFTER GRADUATION	☐ Create a résumé and set up your profile on the Handshake icon: (My.UTRGV.edu). ☐ Got summer plans? Visit Career Center and ask about places to do some job shadowing. ☐ Research shows that students who work on campus perform better than those who work off campus. Look for a job on Handshake! ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.	☐ Update your resume in Handshake and have it reviewed. ☐ Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and discuss internships. ☐ Explain to someone how your academic program aligns with your strengths and interests.	☐ Check out the SEEMS website for postings on career/graduate school. ☐ Think about three people you can ask for letters of recommendation (professors, mentors, advisors, supervisors, etc.). Give them at least two weeks' advance notice! ☐ When is the deadline for your graduate school application? Visiting the program admissions webpage. Most do not accept late applicants!	☐ Have you received your acceptance for graduate school or an employment offer? If not, network: talk to faculty, the Career Center, and get on LinkedIn. ☐ Formulate and implement a strategy for life after graduation: attend career fairs, graduate fairs, apply to fellowships, etc. ☐ Update your information with Alumni Relations. Enjoy alumni mixers, events and continued access to Career Center services! ☐ Remember to do your exit loan counseling on studentloans.gov.

CAREERS

- Soil and water conservation
- Land use planning
- Waste disposal
- Environmental compliance
- Reclamation of contaminated lands
- Landfill operation and monitoring
- Agrichemical management
- Fertilizer technology
- Agricultural production: food and fiber
- Research
- Education
- Environmental Protection Agency
- Natural Resource Conservation Service
- Department of Agriculture
- Department of Health and Human Services
- Environmental Protection Agency
- Natural Resource Conservation Service
- Fish and Wildlife Service
- Department of Agriculture

For additional info, visit the Career Center website and check out "What Can I Do With This Major?" www.utrgv.edu/careercenter