- Always seek advice from your advisor when you plan your class schedule each semester
- major: Earth and Ocean Sciences, **Environmental Chemistry, Environmental** Biology, Interdisciplinary Environmental Science, Environment and Society
- semester to graduate in four years. • Five concentrations are available for this
- You are encourage to take some core courses and required major courses each
- requirement. • To graduate, students must have an overall
- courses are offered only once per year.

Pay attention to prerequisites and course

GPA of 2.0.

Don't neglect your Language Proficiency

sequences. Some of the major foundational

Additional Info

Department Contact: 956-882-5040 seems@utrgv.edu

Environmental Scienceand Marine Sciences Dr. Juan L. Gonzalez juan.l.gonzalez@utrgv.edu

Academic Coordinator School of Earth, Environmental,

Associate Director- School of Earth, **Environmental, and Marine Sciences Dr. Hudson DeYoe** Hudson.Deyoe@utrgv.edu

Director-School of Earth, **Environmental, and Marine Sciences Dr. David Hicks** David.Hicks@utrgv.edu

Contact Info

ENVIRONMENTAL SCIENCES (BS) *Environmental Biology Catalog: 2018-19 **COLLEGE OF SCIENCES**

UTRio Grande Valley

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.

FOURTH YEAR

Free Advanced Elective

Free Advanced Elective

Free Advanced Elective

Environmental Biology

ES Major Env. Biology Conc. Elective

Supporting Science: Rec- CHEM 1312/1112

33XX-43XX

33XX-43XX

Choose 1

Choose 1

Choose 1

Choose 1

Choose 1

BIOF 3420

Choose 1

34XX-44XX

THIRD YEAR

American History Physical Geology General Chemistry I Lab CHEW 1111 General Chemistry I CHEW 1311 Analysis in Environmental Sciences Research Methodology and Data **ENAR 3303**

Choose 1 **CEOF 1403**

2018-2019 ACADEMIC PLAN

PHYS 2425 Physics for Scien. & Engr. I PHYS 1401 General Physics I or Choose 1 Information Systems Introduction to Geographic **CEOL 4411**

ECOLOGY BIOF 3409 American History Choose 1

SECOND YEAR

Calculus I E142 HTAM Government/Political Science Choose 1 Integrative/Experiential Learning Choose 1 General Biology I **BIOL 1406**

Earth System Science

Choose 1 Creative Arts Supporting Science Choose 1 Environment and Society **ENNK 2302**

ENNR 2301

"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.

Government/Political Science Choose 1

RIRST YEAR

Communication Choose 1 Learning Framework **UNIV 1301** Social and Behavioral Sciences Choose 1 MATH 2412 Pre-Calculus MATH 1314 College Algebra or Choose 1 Intro to Environmental Science I ENNB 1401 Communication Choose 1

Language, Philosophy & Culture Choose 1 Elementary Statistical Methods **2481 HTAM** Intro to Environmental Science II **ENNB 1402**

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

BLUEPRINT EXPERIENCES

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR AND BEYOND	• Soil and water
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 	 □ 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. 	 conservation Land use planning Waste disposal Environmental compliance Reclamation of contaminated lands Landfill operation and monitoring
ADVICE & SUPPORT	 (roadmap) and degree plan 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 	 □ 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. 	 Agrichemical management Fertilizer technology Agricultural production: food and fiber Research Education
APPLY WHAT YOU LEARN	Services on campus with free office visits. 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. 	 Environmental Protection Agency Natural Resource Conservation Service Department of Agriculture
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 lunchbring 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. 	 Department of Health and Human Services Environmental Protection Agency Natural Resource Conservation Service
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 	 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.utrgy.edu/careercenter

studentloans.gov.