### Additional Info

- Pay attention to prerequisites and course sequences. Some of the major foundational courses are offered only once per year.
- To graduate, students must have an overall GPA of 2.0.
- You are encouraged to take some core courses and required major courses each semester to graduate in four years. Full-time student status is 15 hours.
- 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

**Director - School of Earth, Environmental, and Marine Sciences**

Dr. David Hicks  
David.Hicks@utrgv.edu

**Associate Director - School of Earth, Environmental, and Marine Sciences**

Dr. Hudson DeYoe  
Hudson.DeYoe@utrgv.edu

**Academic Coordinator - Environmental Science School of Earth, Environmental, and Marine Sciences**

Dr. Juan L. Gonzalez  
juan.l.gonzalez@utrgv.edu

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

### 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.

### Catalog: 2019-20

**ENVIRONMENTAL SCIENCES (BS)**

*Earth and Ocean Sciences Concentration*

**College of Sciences**

**UTRioGrande Valley**
### FIRST YEAR

- **UTRGV** has a Writing Center and a Learning Center. Make it a point to visit them!
- Complete your core English classes.
- 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
- 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 My Majors.
- 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.
- Complete at least 30 credit hours to graduate.

### SECOND YEAR

- **Want to explore different careers? Check out My Majors!**
- **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
- **To find undergraduate research opportunities, visit the Engaged Scholarship & Learning Office, or the Career Center.**
- Consider attending the LeaderShape Institute or other leadership training programs.
- Go show off your research, service-learning or creative works at the Engaged Scholar Symposium!

### THIRD YEAR

- **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.**
- **Seek out opportunities within your major and join a professional organization such as, The Geological Society of America.**
- **Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.**

### FOURTH YEAR

- “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.
- **“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.**

### 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 SEMS 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.**

### MILESTONES

- **APPLY WHAT YOU LEARN**
  - Look for a service-learning course! For guidance, visit the Engaged Scholarship & Learning Office.
  - Participate in a campus-sponsored community service project.
  - Talk to faculty about student research opportunities.
  - Set up your profile on the Engagement Zone through My UTRGV.**
  - 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 or a student government organization.

- **GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT**
  - 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.**

### ADVICE & SUPPORT

- **ADVICE & SUPPORT**
  - **Join the SHIP-GEO email list.**
  - **Familiarize yourself with your four-year course sequence (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 My Majors.**
  - **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.**
  - **Complete at least 30 credit hours to graduate.**

### CAREERS

- **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?” at www.utrgv.edu/careercenter.