

| | | |
|------------------------|--|---|
| Choose 1 | ENVR 1401 | Introduction to Environmental Science I |
| Choose 1 | GEOL 1403 | Physical Geology |
| Choose 1 | Social and Behavioral Sciences (Core) | |
| UNIV 1301 | Learning Framework | |
| Choose 1 | Communication (Core) | |
| ENVR 1402 | Introduction to Environmental Science II | |
| MATH 1314 or MATH 2412 | College Algebra OR Pre-Calculus | |
| Choose 1 | Creative Arts (Core) | |

| | | |
|-----------|---------------------------------------|--|
| ENVR 2301 | Earth System Science | |
| BIOL 1406 | General Biology I | |
| Choose 1 | Language, Philosophy & Culture (Core) | |
| Choose 1 | Government/Political Science (Core) | |
| MATH 2413 | Calculus I | |
| ENVR 2302 | Environment and Society | |
| CHEM 1311 | General Chemistry I | |
| CHEM 1111 | General Chemistry I Lab | |
| MATH 1342 | Elementary Statistical Methods | |
| Choose 1 | Government/Political Science (Core) | |
| Choose 1 | Supporting Science | |

| | | |
|-----------|--|--|
| ENVR 3303 | Research Methodology and Data Analysis in Environmental Sciences | |
| PHYS 1401 | General Physics I | |
| Choose 1 | ES Major Earth and Ocean Science Conc. Elective | |
| Choose 1 | American History (Core) | |
| Choose 1 | ES Major Earth and Ocean Science Conc. Elective | |
| GEOL 3408 | Introduction to Geographic Information Systems | |
| GEOL 3405 | Oceanography | |
| Choose 1 | American History (Core) | |
| GEOL 3402 | Hydrologic Systems | |

| | | | | | | | | | | | | | | |
|-----------|------------------------|----------|--------------------|---|----------|---|----------|---------------------------------------|----------|---|-----------|------------------------|-----------|------------------------|
| 33XX-43XX | Free Advanced Elective | Choose 1 | Supporting Science | ES Major Earth and Ocean Science Conc. Elective | Choose 1 | ES Major Earth and Ocean Science Conc. Elective | Choose 1 | Integrative and Experiential Learning | Choose 1 | ES Major Earth and Ocean Science Conc. Elective | 34XX-44XX | Free Advanced Elective | 33XX-43XX | Free Advanced Elective |
|-----------|------------------------|----------|--------------------|---|----------|---|----------|---------------------------------------|----------|---|-----------|------------------------|-----------|------------------------|

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

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.

UTRioGrandeValley

BLUE PRINT

ENVIRONMENTAL SCIENCES (BS)
*Earth and Ocean Sciences Concentration
Catalog: 2017-18
COLLEGE OF SCIENCES

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 DeVoe
Hudson.Devoe@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

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

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

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 the Kuder Journey.
- ☐ 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.

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

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

LIFE AFTER GRADUATION

- ☐ Create a résumé and set up your profile on the Career Connection 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 the Career Center portal!
- ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- ☐ 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.

- ☐ Want to explore different careers? Check out Kuder Journey!
- ☐ 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 your major advisor
- ☐ Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.

- ☐ 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!

- ☐ Update your resume in Career Connection 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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!

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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

ACADEMIC PLAN

| | | | | | | | | | | | | | | | | | | | |
|----------|----------------------|-----------|---|----------|-----------|------------------|----------|---------------------------------------|-----------|--------------------|----------|----------------------|-----------|--|----------|---------------------------------------|----------|-------------------------|---|
| Choose 1 | Communication (Core) | ENVR 1401 | Introduction to Environmental Science I | Choose 1 | ENVR 1403 | Physical Geology | Choose 1 | Social and Behavioral Sciences (Core) | UNIV 1301 | Learning Framework | Choose 1 | Communication (Core) | ENVR 1402 | Introduction to Environmental Science II | Choose 1 | Integrative and Experiential Learning | Choose 1 | American History (Core) | MATH 1314 or College Algebra OR Pre-MATH 2412 |
|----------|----------------------|-----------|---|----------|-----------|------------------|----------|---------------------------------------|-----------|--------------------|----------|----------------------|-----------|--|----------|---------------------------------------|----------|-------------------------|---|

| | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|-----------|-------------------|-----------|--------------------------------|----------|-------------------------------------|----------|-------------------------|-----------|-------------------------|-----------|---------------------|-----------|-------------------------|----------|----------------------|----------|-------------------------------------|-----------|------------|
| ENVR 2301 | Earth System Science | BIOL 1406 | General Biology I | MATH 1342 | Elementary Statistical Methods | Choose 1 | Government/Political Science (Core) | Choose 1 | American History (Core) | ENVR 2302 | Environment and Society | CHEM 1311 | General Chemistry I | CHEM 1111 | General Chemistry I Lab | Choose 1 | Creative Arts (Core) | Choose 1 | Government/Political Science (Core) | MATH 2413 | Calculus I |
|-----------|----------------------|-----------|-------------------|-----------|--------------------------------|----------|-------------------------------------|----------|-------------------------|-----------|-------------------------|-----------|---------------------|-----------|-------------------------|----------|----------------------|----------|-------------------------------------|-----------|------------|

| | | | | | | | | | | | | | | | | | | | | |
|-----------|--|----------|---|-----------|------------------------|-----------|------------------------|-------------------|---|-----------|--|----------|---|----------|--------------------|----------|---|----------|-----------|------------------------|
| ENVR 3303 | Research Methodology and Data Analysis in Environmental Sciences | Choose 1 | ES Major Environment and Society Conc. Elective | 33XX-43XX | Free Advanced Elective | 33XX-43XX | Free Advanced Elective | PHYS 1401 or 2425 | General Physics I or Physics I for Scientists and Engineers I | GEOL 3408 | Introduction to Geographic Information Systems | Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | Supporting Science | Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | 34XX-44XX | Free Advanced Elective |
|-----------|--|----------|---|-----------|------------------------|-----------|------------------------|-------------------|---|-----------|--|----------|---|----------|--------------------|----------|---|----------|-----------|------------------------|

| | | | | | | | | | | | | | | | | | |
|----------|---|----------|------------------------|-----------|---------------------------|----------|---|----------|------------------------|----------|---|----------|---|----------|---------------------------------------|----------|------------------------|
| Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | Society Conc. Elective | POLS 4356 | U.S. Environmental Policy | Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | Society Conc. Elective | Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | ES Major Environment and Society Conc. Elective | Choose 1 | Language, Philosophy & Culture (Core) | Choose 1 | Free Advanced Elective |
|----------|---|----------|------------------------|-----------|---------------------------|----------|---|----------|------------------------|----------|---|----------|---|----------|---------------------------------------|----------|------------------------|

FIRST YEAR SECOND YEAR THIRD YEAR FOURTH YEAR

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

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 DeVoe
Hudson.Devoe@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.

UTRioGrandeValley

BLUE PRINT

ENVIRONMENTAL SCIENCES (BS)
*Environment and Society
Concentration
Catalog: 2017-18
COLLEGE OF SCIENCES

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 the Kuder Journey.
- ☐ 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 Kuder Journey!
- ☐ 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 Career Connection 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 the Career Center portal!
- ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- ☐ Update your resume in Career Connection 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

| | | |
|------------------------|-----------|--|
| Choose 1 | ENVR 1401 | Introduction to Environmental Science I |
| MATH 1314 or MATH 2412 | Choose 1 | College Algebra OR Pre-Calculus |
| Choose 1 | Choose 1 | Social and Behavioral Sciences (Core) |
| UNIV 1301 | Choose 1 | Learning Framework |
| Choose 1 | Choose 1 | Communication (Core) |
| ENVR 1402 | Choose 1 | Introduction to Environmental Science II |
| MATH 1342 | Choose 1 | Elementary Statistical Methods |
| Choose 1 | Choose 1 | Language, Philosophy & Culture (Core) |

| | | |
|-----------|-----------|---|
| ENVR 2301 | BIOL 1406 | General Biology I |
| Choose 1 | Choose 1 | Integrative/Experiential Learning Option (Core) |
| Choose 1 | Choose 1 | Government/Political Science (Core) |
| MATH 2413 | Choose 1 | Calculus I |
| ENVR 2302 | Choose 1 | Environment and Society |
| Choose 1 | Choose 1 | Supporting Science |
| Choose 1 | Choose 1 | Creative Arts (Core) |
| Choose 1 | Choose 1 | Government/Political Science (Core) |

| | | |
|-------------------|-----------|---|
| ENVR 3303 | CHEM 1311 | General Chemistry I |
| Choose 1 | CHEM 1111 | General Chemistry I Lab |
| Choose 1 | Choose 1 | Physical Geology |
| Choose 1 | Choose 1 | American History (Core) |
| GEOL 3408 | Choose 1 | Introduction to Geographic Information Systems |
| PHYS 1401 or 2425 | Choose 1 | General Physics I or Physics I for Scientists and Engineers I |
| Choose 1 | Choose 1 | American History (Core) |
| BIOL 3409 | Choose 1 | Ecology |

| | | |
|-----------|-----------|---|
| Choose 1 | BIOL 3420 | Environmental Biology |
| Choose 1 | Choose 1 | ES Major Environmental Biology Conc. Elective |
| Choose 1 | Choose 1 | ES Major Environmental Biology Conc. Elective |
| Choose 1 | Choose 1 | ES Major Environmental Biology Conc. Elective |
| Choose 1 | Choose 1 | Supporting Science |
| 34XX-44XX | Choose 1 | Free Advanced Elective |
| Choose 1 | Choose 1 | ES Major Environmental Biology Conc. Elective |
| Choose 1 | Choose 1 | ES Major Environmental Biology Conc. Elective |
| 33XX-43XX | Choose 1 | Free Advanced Elective |
| 33XX-43XX | Choose 1 | Free Advanced Elective |

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

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.

UTRioGrandeValley

BLUE PRINT

ENVIRONMENTAL SCIENCES (BS)
*Environmental Biology
Catalog: 2017-18
COLLEGE OF SCIENCES

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

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

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 the Kuder Journey.
- ☐ 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 Kuder Journey!
- ☐ 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 Career Connection 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 the Career Center portal!
- ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- ☐ Update your resume in Career Connection 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

| | |
|------------------------|--|
| Choose 1 | Communication (Core) |
| ENVR 1401 | Introduction to Environmental Science I |
| MATH 1314 or MATH 2412 | College Algebra OR Pre-Calculus |
| Choose 1 | Social and Behavioral Sciences (Core) |
| BIOL 1406 | General Biology I |
| UNIV 1301 | Learning Framework |
| Choose 1 | Communication (Core) |
| ENVR 1402 | Introduction to Environmental Science II |
| CHEM 1311 | General Chemistry I |
| CHEM 1111 | General Chemistry I Lab |
| Choose 1 | Language, Philosophy & Culture (Core) |
| MATH 1342 | Elementary Statistical Methods |

FIRST YEAR

| | |
|-------------------|---|
| ENVR 2301 | Earth System Science |
| GEOL 1403 | Physical Geology |
| Choose 1 | Government/Political Science (Core) |
| MATH 2413 | Calculus I |
| ENVR 2302 | Environment and Society |
| CHEM 1312 | General Chemistry II |
| CHEM 1112 | General Chemistry II Lab |
| PHYS 1401 or 2425 | General Physics I or Physics for Scientists and Engineers I |
| Choose 1 | Government/Political Science (Core) |
| Choose 1 | Creative Arts (Core) |

SECOND YEAR

| | |
|-----------|---|
| Choose 1 | Integrative and Experiential Learning (core) |
| Choose 1 | American History (Core) |
| ENVR 3303 | Research Methodology and Data Analysis in Environmental |
| CHEM 2323 | Organic Chemistry I |
| CHEM 2123 | Organic Chemistry I Lab |
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| Choose 1 | American History (Core) |
| 34XX-44XX | Free Advanced Elective |
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| CHEM 3401 | Environmental Chemistry |

THIRD YEAR

| | |
|-----------|---|
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| GEOL 3408 | Introduction to Geographic Information Systems |
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| Choose 1 | ES Major Environmental Chemistry Conc. Elective |
| 33XX-43XX | Free Advanced Elective |
| 33XX-43XX | Free Advanced Elective |

FOURTH YEAR

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

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

UTRioGrandeValley

BLUE
PRINT

ENVIRONMENTAL SCIENCES (BS)

*Environmental Chemistry

Catalog: 2017-18

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.

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 the Kuder Journey.
- ☐ 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 Kuder Journey!
- ☐ 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 Career Connection 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 the Career Center portal!
- ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- ☐ Update your resume in Career Connection 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

| | | |
|-----------|--|---|
| Choose 1 | ENVR 1401 | Introduction to Environmental Science I |
| Choose 1 | GEOL 1403 | Physical Geology |
| Choose 1 | Social and Behavioral Sciences (Core) | |
| UNIV 1301 | Learning Framework | |
| Choose 1 | Communication (Core) | |
| ENVR 1402 | Introduction to Environmental Science II | |
| MATH 1314 | College Algebra OR Pre-Calculus | |
| Choose 1 | Creative Arts (Core) | |

| | | |
|-----------|---------------------------------------|--|
| ENVR 2301 | Earth System Science | |
| BIOL 1406 | General Biology I | |
| Choose 1 | Language, Philosophy & Culture (Core) | |
| Choose 1 | Government/Political Science (Core) | |
| MATH 2413 | Calculus I | |
| ENVR 2302 | Environment and Society | |
| Choose 1 | Supporting Science | |
| MATH 1342 | Elementary Statistical Methods | |
| Choose 1 | Government/Political Science (Core) | |
| ENVR 3301 | Natural Resources Conservation | |

| | | |
|-----------|---|--|
| ENVR 3303 | Data Analysis in Environmental Sciences | |
| CHEM 1311 | General Chemistry I | |
| CHEM 1111 | General Chemistry I Lab | |
| Choose 1 | American History (Core) | |
| Choose 1 | Integrative/Experiential Learning Option (Core) | |
| Choose 1 | ES Major Interdisciplinary Environmental Science Conc. Elective | |
| GEOL 3408 | Introduction to Geographic Information Systems | |
| 34XX-44XX | Free Advanced Elective | |
| Choose 1 | American History (Core) | |
| ENVR 3302 | Environmental Ethics | |

| | | |
|-----------|---|--|
| 33XX-43XX | Free Advanced Elective | |
| PHYS 1401 | General Physics I or Physics for Scientists and Engineers I | |
| Choose 1 | ES Major Interdisciplinary | |
| Choose 1 | ES Major Interdisciplinary | |
| 33XX-43XX | Free Advanced Elective | |
| Choose 1 | ES Major Interdisciplinary | |
| Choose 1 | ES Major Interdisciplinary | |
| Choose 1 | Supporting Science | |

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

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.

UTRioGrandeValley

BLUE
PRINT

ENVIRONMENTAL SCIENCES (BS)
*Interdisciplinary Concentration
Catalog: 2017-18
COLLEGE OF SCIENCES

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

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

BLUEPRINT EXPERIENCES

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR AND BEYOND

CAREERS

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

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 the Kuder Journey.
- ☐ 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.

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

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

LIFE AFTER GRADUATION

- ☐ Create a résumé and set up your profile on the Career Connection 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 the Career Center portal!
- ☐ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.

- ☐ 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.

- ☐ Want to explore different careers? Check out Kuder Journey!
- ☐ 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 your major advisor
- ☐ Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.

- ☐ 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!

- ☐ Update your resume in Career Connection 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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!

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- ☐ 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.

- 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