

Choose 1	Communication (Core)
BIOL 1406	General Biology I
MATH 2413	Calculus I
Choose 1	American History (Core)
UTCH 1101	Inquiry Approaches to Teaching
UNIV 1301	Learning Framework
Choose 1	Communication (Core)
BIOL 1407	General Biology II
PSCI 1421	Physical Science I
Choose 1	Language, Philosophy & Culture (Core)
Choose 1	American History (Core)
UTCH 1102	Inquiry-Based Lesson Design

PSCI 1422	Physical Science II
Choose 1	Government/Political Science (Core)
PSYC 2301	General Psychology
CHEM 1311	General Chemistry I
CHEM 1111	General Chemistry I Lab
Choose 1	Integrative/Experiential Learning Option (Core)
BIOL 3330	Functions and Modeling Government/Political Science (Core)
Choose 1	Science (Core)
Choose 1	Creative Arts (Core)
UTCH 3301	Knowing and Learning in Mathematics and Science
GEOL 1403	Physical Geology

GEOL 3405	Oceanography
GEOG 2313	Principles of Geography
ENVR 1401	Introduction to Environmental Science I
33XX-43XX	Major Advanced Elective
UTCH 3302	Classroom Interactions
GEOL 3401	Geomorphology
BIOL 3301	Biological Evolution
BIOL 4392	Research Methods in the Science and Mathematics Classroom (UTeach)
READ 4305	Content Area Literacy
ASTR 1401	Introduction to Astronomy I

PHIL 3317	Perspectives on Science and Mathematics
BIOL 4400	Biological Communication (Capstone)
MATE 3305	Fundamentals of Statistics and Probability
33XX-43XX	Major Advanced Elective
UTCH 3303	Project-Based Instruction
UTCH 4101	Apprentice Teaching Seminar
UTCH 4601	Apprentice Teaching

FIRST YEAR

SECOND YEAR

THIRD YEAR

FOURTH YEAR

Additional Info

Progression requirements  
 Admission to the College of Education and P-16 Integration is required for participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 4 advanced hours, as recommended by advisor.

Graduation requirements  
 Minimum GPA of 2.75 is required for graduation. BIOL 1406 (or BIOL 1487 Honors), BIOL 1407 (or BIOL 1488 Honors), CHEM 1311/1111, CHEM 1312/1112, UTCH 1101, UTCH 1102, UTCH 3301, UTCH 3302, UTCH 3303, UTCH 4101, UTCH 4601 with a grade of 'C' or better grade in all of these courses; and approval of UTeach portfolio are required for graduation.

Contact Info

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UTRio Grande Valley

# BLUE PRINT

**INTERDISCIPLINARY STUDIES (BIS)**  
 \*Life Sciences 4-8 UTeach  
 Catalog: 2017-18  
**COLLEGE OF SCIENCES/COLLEGE OF EDUCATION AND P-16 INTEGRATION**

Degree Info

The Department of Biology is committed to excellence in instruction, scholarly accomplishment, research, professional service, and student success. The Department provides a broad-based undergraduate education in Biology so as to give students the opportunity to pursue a career best-suited to their interests and abilities. Graduates are prepared to enter the workforce or continue their education in graduate or professional school. The Department provides rigorous pre-professional preparation for students seeking careers in biological sciences and health professions.

# 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 3.0.
- Take MATH in your first year. See degree plan for options

- Shoot for a GPA of 3.0.
- Complete major foundation classes. See degree plan for options.
- Complete 30 credit hours.
- Apply to the UTeach program. Visit [www.utrgv.edu/cep](http://www.utrgv.edu/cep) for more information.

- Shoot for a GPA of 3.0.
- 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 3.0.
- "I have a plan for after graduation." If this describes you, great! If not, visit your Faculty Advisor or Career Center!
- Register for your Capstone/senior/portfolio project. Please see degree plan for options.
- 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 our Kuder Journey.
- Visit a faculty member during their office hours and ask a question about class.
- 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 Major Kuder Journey!
- Come ready with course suggestions and questions when you visit your academic/UTeach 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.
- 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.
- 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.
- Ask a student in class to study with you.

- To find undergraduate research opportunities, visit the Engaged Scholarship & Learning Office.
- 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, visit the Writing Center, or become the secretary for your organization.

- Continue to present research or creative works at the Engaged Scholar Symposium.
- 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!
- Join a student organization! Visit VLink ([utrgv.edu/vlink](http://utrgv.edu/vlink)) for options.

- Look at study abroad opportunities!
- Check out a cultural campus or community event such as HESTEC or FESTIBA.
- Join another student organization. Visit VLink for options.
- 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.
- Will a minor expand your career options? Discuss this with your Academic Advisor.
- Explain to someone how your academic program aligns with your strengths and interests.

- Check out our department 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](http://studentloans.gov).

- Teaching
  - Elementary
  - Secondary
  - Post-secondary
- Non-classroom education
- Technical writing
- Editing
- Illustrating
- Photography
- Public relations
- Public/private schools
- Museums
- Zoos
- Nature centers/parks
- Scientific magazines
- Professional journals
- Periodicals
- Textbooks
- Online publishers
- Educational and scientific software companies
- Environmental organizations
- Government agencies
- Nonprofit organizations

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