



Bachelor of Science in Biological Science BIOLOGY with Secondary Education Minor (7-12)

MAJOR MAP | 2019-2020



FRESHMAN

YOUR CLASS SCHEDULE

- Take core curriculum courses.
- Complete science and math courses that are pre-requisites to higher division courses in your major and which align to the teacher certification exam, such as MATH 1508 or 1411, BIOL 1305/1107 and 1306/1108, and CHEM 1305/1105.
- Investigate joining a FYRIS course in order to conduct hands-on research under the direction of a faculty member for course credit.

ACADEMIC ADVISING

- Register for the first available New Student Orientation.
- Schedule an appointment early each semester with the College of Science Secondary Education Advisor.
- Ask your advisor about joining a learning community.

ENRICHING EXPERIENCES

- Explore student organizations such as Future Educators of Math and Science (FEMaS).
- Investigate the ADP Math and Science Teachers (MaST) Academy to learn about unique field experience, summer outreach, and scholarship opportunities.
- Discover volunteer opportunities with the Center for Civic Engagement.
- Explore opportunities to volunteer or tutor in the schools in order to gain real-world experience in the classroom. Apply online through district websites. Additional tutoring job opportunities are available through EPCC and MathMobile Tutorials.

LIFELONG SUCCESS

- Research the diverse aspects of science education, such as teaching English Language Learners or children from other cultures and communities.
- Talk to a financial aid advisor about loan forgiveness for teachers.
- Discover tutoring resources, such as the University Writing Center and the Math Resource Center for Students.
- Cultivate healthy lifestyle habits by visiting the Student Recreation Center.
- Submit a Free Application for Federal Student Aid (FAFSA).
- Promote science in the community by working with a local science teacher, judging a science fair, teaching a neighbor, or taking a field trip to a site you can use with your future class.

SOPHOMORE

- Continue taking Biology courses and other lower division sciences required for teacher certification, such as Geology and Physics.
- Attend the TExES Boot Camp in Maymester to prepare for the Science 7-12 Qualifying Exam.

- Schedule an appointment early each semester with the College of Science Secondary Education Advisor.
- Create your personal graduation plan and certification timeline with your advisor.

- Cultivate leadership roles within your student organizations, such as Future Educators of Math and Science (FEMaS).
- Investigate volunteer opportunities with summer camps in area schools or apply to summer research opportunities at UTEP and across the nation.
- Experience unique professional development opportunities by becoming an ADP MaST Academy Scholar.
- Expand your global awareness with a Study Away course, and broaden your perspective by watching videos on education in foreign countries.

- Visit the University Career Center for professional development resources, such as workshops on resumes and interview skills.
- Review your graduation timeline, including your certification exams and student teaching.
- Identify scholarship opportunities through the Office of Scholarships.
- Develop experience through research, shadowing, volunteering, and tutoring.
- Practice professionalism by maintaining a clean record and an appropriate social media presence.

JUNIOR

- Complete remaining core curriculum courses.
- Progress with your major courses.
- Prepare for and pass your Science 7-12 Qualifying Exam, and apply to the Educator Preparation Program early in your Junior Year. As soon as you receive your letter of admission, request permission to take the TExES Science 7-12 Certification Exam and pass it.
- Begin taking your Secondary Education Minor courses.

- Schedule an appointment early each semester with the College of Science Secondary Education Advisor.
- Request an updated degree plan when you pass your Science 7-12 Qualifying Exam.
- Review your personal graduation plan and certification timeline with your advisor.

- Expand your leadership activities with your student organizations, such as Future Educators of Math and Science (FEMaS).
- Participate in Project MOVE and expand your community engagement efforts with the Center for Civic Engagement.
- Develop experience by tutoring at a school, judging science fairs, or becoming a peer leader for freshman classes.
- Continue to engage with unique professional development opportunities as an ADP MaST Academy Scholar.

- Explore graduate programs in science education.
- Discover opportunities beyond the classroom, such as coaching a sport or UIL team.
- Cultivate relationships by volunteering at a school. This will help you secure a teaching job.
- Research ESL Certification requirements, and investigate international teaching opportunities.
- Take your TExES Science 7-12 exam and begin on your PPR exams
- Collect materials for your Teaching Portfolio which demonstrate content mastery, teaching experience, and classroom practice.

SENIOR

- Finish your certification exams and apply to student teaching before the deadlines set by the College of Education.
- Complete all courses except student teaching the semester before you plan to graduate.
- Explore degree requirements and school district financial support for graduate programs.

- Schedule an appointment early each semester with the College of Science Secondary Education Advisor.
- Schedule an appointment with the College of Science to clear for graduation.

- Enhance your resume by attending a local or state conference in science education. Some have free registration if you volunteer to help or deliver a presentation.
- Reflect on the broader impacts and applications of science education, and identify emerging trends in your field.
- Mentor incoming members of your student organizations, such as Future Educators of Math and Science (FEMaS).

- Review application timelines and requirements if you are pursuing graduate studies.
- Attend Teacher Job Fairs at UTEP and throughout the region.
- Visit the Career Center to review your resume, prepare for interviews, and refine your Teaching Portfolio.

UPDATED 07/20/2018

EDGE ADVANTAGES: UTEP students will graduate with these skills:

- Leadership
- Problem-solving
- Communication
- Entrepreneurship
- Social Responsibility
- Confidence
- Global Awareness
- Teamwork
- Critical Thinking

CAREER POSSIBILITIES:

- Middle or High School Teacher
- Counselor
- Informal Science Educator
- Dual Credit Certified Teacher
- Campus or District Administrator
- Corporate Trainer
- Instructional Coach



College of Science Secondary Education

In Texas, a student who wants to teach secondary (grades 7-12) mathematics or sciences must major in math or a science and minor in education. Here are the steps for College of Science students at UTEP:

1. Visit the College of Science Advising Center in Bell Hall 100 to complete a Student Information Sheet and declare a major and minor. Your Program Code will include a Major in mathematics or a science, a minor in Secondary Education and a concentration in your teaching content area (eg Science 7-12 or Mathematics 7-12).
2. When you and your advisor decide you are ready to take your content qualifying exam, see your College of Science Secondary Education advisor for a permit to take the exam.
3. As soon as you pass the exam, request an updated, signed degree plan from your College of Science Secondary Education advisor for your Application to the Educator Preparation Program.
4. Submit your completed Application to the Educator Preparation Program.
5. NOTE: College of Science secondary education graduation requirements vary by catalog year

EDUCATOR PREPARATION PROGRAM (EPP) REQUIREMENTS

College of Education

Admission

- Submit Application Packet to CSS Advisor.
- Complete the Communication, Mathematics, and Component Area Option portions of the Core Curriculum with a grade of "C" or better.
- Complete at least 60 semester credit hours.
- Have a minimum cumulative UTEP GPA of 2.75.
- Pass the THEA or TSI.
- File a degree plan with a program advisor.
- Submit 3 Recommendation Rating Forms (RRF).
- Complete the EPP Application.

Testing

- Pass the Content and Pedagogy and Professional Responsibility (PPR) Qualifying Exam.
- Pass the Required Texas Examinations of Educator Standards (TExES). You have five attempts to pass each of the TExES.

Observation Hours

- Prior to Student Teaching, you must complete 30 hours of observation. Some of your courses will include this field experience component. For those courses:
 - Complete an Observation Form.
 - Submit the Observation Form to your CSS advisor upon completion of the course.

Student Teaching

- Complete all degree coursework and testing prior to applying to Student Teaching. Apply online during your second-to-last semester.
- Pass fingerprint/background check with a Social Security Number.

Contacts

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