

FIRST YEAR

MATH 1350	Choose 1	Communication
MATH 1351	Choose 1	Fundamentals of Mathematics I
UTCH 1101	Choose 1	American History
UTCH 1101	Choose 1	Inquiry Approaches to Teaching
MATH 2412	Choose 1	Integrative/Experiential Learning
UNIV 1301	Choose 1	Precalculus
UNIV 1301	Choose 1	Learning Framework
MATH 1351	Choose 1	Communication
MATH 1351	Choose 1	Fundamentals of Mathematics II
UTCH 1102	Choose 1	American History
UTCH 1102	Choose 1	Inquiry-Based Lesson Design
MATH 2413	Choose 1	Calculus I
	Choose 1	Social and Behavioral Sciences

SECOND YEAR

MATE 3301	Choose 1	Life and Physical Sciences
MATE 3301	Choose 1	Fund. of Middle School Math
MATE 3302	Choose 1	Government/Political Science
UTCH 3301	Choose 1	Creative Arts
UTCH 3301	Choose 1	Language, Philosophy & Culture
MATE 3302	Choose 1	Life and Physical Sciences
MATE 3302	Choose 1	Fund. of Measurement & Geometry I
UTCH 3301	Choose 1	Government/Political Science
UTCH 3301	Choose 1	Math & Science Learning
UTCH 3301	Choose 1	Integrative/Experiential Learning

THIRD YEAR

MATE 3303	Choose 1	Life and Physical Sciences
MATE 3303	Choose 1	Fund. of Measurement & Geometry II
MATE 3304	Choose 1	Fund. of Algebraic Structures
MATE 3321	Choose 1	Functions and Modeling
X4XX-X4XX	Choose 1	Life and Physical Sciences
UTCH 3302	Choose 1	Classroom Interactions
MATE 3305	Choose 1	Fund. of Statistics and Probability
MATE 3306	Choose 1	Middle School Math in a
MATE 3307	Choose 1	Technological Environment
MATE 3313	Choose 1	Fund. of Problem Solving
MATE 4319	Choose 1	Fund. of Mathematics History
MATE 4319	Choose 1	Research Methods in Middle School Math

FOURTH YEAR

MATE 3317	Choose 1	Perspectives in Math & Science
MATE 3311	Choose 1	Fund. of Discrete Mathematics
MATE 3312	Choose 1	Fund. of Number Theory
MATE 3314	Choose 1	Fund. of Mathematical
UTCH 3303	Choose 1	Structures & Processes
UTCH 3303	Choose 1	Project-Based Instruction
READ 4305	Choose 1	Disciplinary Literacy in Content
UTCH 4101	Choose 1	Area Classrooms
UTCH 4101	Choose 1	Apprentice Teaching Seminar
UTCH 4601	Choose 1	Apprentice Teaching

Courses in red are part of the General Education Core Curriculum (GEC).
 *Choose 1" Indicates course options. If options are not listed, please review the General Education Core or the degree plan for this major: www.utrgv.edu/degreeplans.
 *Please review degree plan for course recommendations.

2019-2020 ACADEMIC PLAN

UTRio Grande Valley

BLUE
PRINT

INTERDISCIPLINARY STUDIES (BIS)
 *Middle School Math 4-8 UTeach
Catalog: 2019-20
 COLLEGE OF SCIENCES

Degree Info

Mathematics Majors with Teacher Certification are attractive to the growing demand for teachers in middle schools and elementary schools. A BIS in Middle School Mathematics will prepare the graduate for an exciting and rewarding teaching position and provide the necessary preparation for graduate studies in Mathematics Education.

Contact Info

School Director
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Departmental Office
 Phone Number
 956-665-3451

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 7 advanced hours, as recommended by advisor.

Graduation requirements
 A grade of 'C' or better with a GPA of 2.75 or greater is required in all MATH and MATE.

Degree requires 42 advanced hours for the major and 61 advanced hours overall.

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 2412 in your first year. See degree plan for options

- Shoot for a GPA of 3.0.
- Complete major foundation classes such as MATH 2413. See degree plan for options.
- Complete 30 credit hours.
- Apply to the TEP program. Visit 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. Research Methods.
- 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 MyMajors.
- 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 MyMajors!
- 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 such as RGVCTM (NCTM RGV Chapter).
- 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! Visit the Writing Center or become the secretary for your organization.

- Continue to present research or creative works at the Engaged Scholar Symposium or at RGVCTM conference.
- 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) 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 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.
- Will a minor expand your career options? Perhaps something within physics or engineering? Discuss this with your Academic Advisor.
- Explain to someone how your academic program aligns with your strengths and interests.

- Check out the UTeach program 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.

- Teaching
- Research
- Higher education administration
- Public and private schools

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