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

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

advisor.

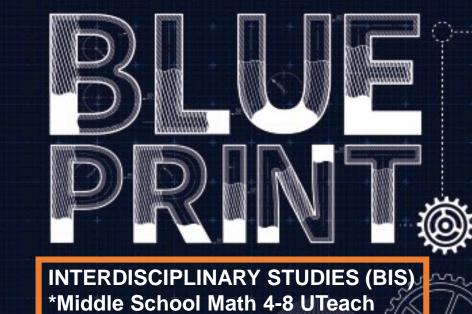
**Progression requirements** 

P-16 Integration is required for

**Graduation requirements** 

**Undergraduate Program Director** Dr. Eleftherios Gkioulekas eleftherios.gkioulekas@utrgv.edu

Departmental Office **Phone Number** 956-665-3451



Catalog: 2018-19

**COLLEGE OF SCIENCES** 

UTRio Grande Valley

## **THIRD YEAR**

**Contact Info** 

**School Director** 

Dr. Timothy Huber

Timothy.huber@utrgv.edu

**School Associate Director** 

Dr. Jerzy Mogilski

Jerzy.mogilski@utrgv.edu

Life and Physical Sciences

Fund. of Algebraic Structures

Functions and Modeling

## **SECOND YEAR**

Communication Choose 1 **RIRST YEAR** 

**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.

Perspectives in Math & Science **FOURTH YEAR** 

**Additional Info** 

Admission to the College of Education and

participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students

unable to be admitted to UTCH 4601 and

advanced hours, as recommended by

UTCH 4101 will be required to substitute 7

Apprentice Teaching

Area Classrooms

Apprentice Teaching Seminar

Disciplinary Literacy in Content

Project-Based Instruction **UTCH 3303** Structures & Processes Fund. of Mathematical MATE 3314 Fund. of Mumber Theory **S112** 3312 Fund. of Discrete Mathematics MATE 3311 Fund. of Measurement & Geometry II MATE 3317

**UTCH** 4601

**UTCH 4101** 

**KEAD 4305** 

Technological Environment Middle School Math in a Fund. of Statistics and Probability Classroom Interactions **UTCH 3302** 

Fund. of Problem Solving

**MATE 3306 S0EE 330S** 

Research Methods in Middle School Math **6154 3TAM** Fund. of Mathematics History **E1EE 3313 TOEE 3307** 

XXtXX

2018-2019 ACADEMIC PLAN

**1288 37AM** 

**4088 3TAM** 

**E0EE 3TAM** 

Fund. of Middle School Math **MATE 3301** Life and Physical Sciences \*Choose 1

Choose 1 Creative Arts Government/Political Science Choose 1

Language, Philosophy & Culture Choose 1

Integrative/Experiential Learning \*Choose 1 Knowing & Learning in Math & Science **UTCH 3301** Government/Political Science Choose 1 Fund. of Measurement & Geometry I **WATE 3302** Life and Physical Sciences \*Choose 1

> Inquiry Approaches to Teaching American History Choose 1 Fundamentals of Mathematics I 02£1 HTAM

Learning Framework **UNIV 1301** Precalculus S142 HTAM Integrative/Experiential Learning \*Choose 1 UTCH 1101

Social and Behavioral Sciences \*Choose 1 Calculus I E142 HTAM Inquiry-Based Lesson Design **UTCH 1102** American History Choose 1 Fundamentals of Mathematics II 1251 HTAM Communication Choose 1

Courses in red are part of the General Education Core Curriculum (GEC).

\*Please review degree plan for course recommendations.

# BLUEPRINT EXPERIENCES

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR AND BEYOND
MILESTONES	<ul> <li>□ UTRGV has a Writing Center and a Learning Center. Make it a point to visit them!</li> <li>□ Complete your core English classes (section 010) during your first year.</li> <li>□ Complete 30 credit hours every year in order to graduate in 4 years.</li> <li>□ Shoot for a GPA of 3.0.</li> <li>□ Take MATH 2412 in your first year. See degree plan for options</li> </ul>	<ul> <li>□ Shoot for a GPA of 3.0.</li> <li>□ Complete major foundation classes such as MATH 2413. See degree plan for options.</li> <li>□ Complete 30 credit hours.</li> <li>□ Apply to the UTeach program. Visit www.utrgv.edu/cep for more information.</li> </ul>	<ul> <li>□ Shoot for a GPA of 3.0.</li> <li>□ Complete 30 credit hours.</li> <li>□ Have you landed an internship or acquired research experience? This is the year to make it happen.</li> </ul>	<ul> <li>□ Shoot for a GPA of 3.0.</li> <li>□ "I have a plan for after graduation." If this describes you, great! If not, visit your Faculty Advisor or Career Center!</li> <li>□ Register for your Capstone/senior/portfolio project. Research Methods.</li> <li>□ Complete at least 30 credit hours to graduate.</li> <li>□ Submit your application(s) for graduate school, an apprenticeship, or for fulltime employment.</li> </ul>
ADVICE & SUPPORT	<ul> <li>Meet with your academic advisor and bring your orientation folder with you to every session!</li> <li>Choose a major with confidence- Visit my.UTRGV.edu and check out MyMajors.</li> <li>Visit a faculty member during their office hours and ask a question about class.</li> <li>Classes fill up fast. When registration opens, be sure to register on the first day for your group.</li> <li>Cold or flu getting you down? We have Student Health Services on campus with free office visits.</li> </ul>	<ul> <li>□ Want to explore different careers? Check out MyMajors!</li> <li>□ Come ready with course suggestions and questions when you visit your academic/UTeach advisor.</li> <li>□ Visit the Communication Hauser Lab for help with your speeches.</li> <li>□ Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available</li> </ul>	<ul> <li>Seek out research opportunities within your major and join a professional organization such as RGVCTM (NCTM RGV Chapter).</li> <li>Check DegreeWorks to make sure you are on track for graduation next year.</li> <li>Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.</li> </ul>	<ul> <li>Engage in an independent study project or an academic internship to complement your major.</li> <li>Discuss future plans with your faculty mentor or advisor that includes employment, finances, and other life goals.</li> <li>Apply for graduation one semester prior to your anticipated date. Visit the Academic Advising Center to ensure you are on track.</li> </ul>
APPLY WHAT YOU LEARN	<ul> <li>Look for a service-learning course! For guidance, visit Engaged Scholarship &amp; Learning Office.</li> <li>Participate in a campus-sponsored community service project.</li> <li>Ask a student in class to study with you.</li> </ul>	<ul> <li>□ To find undergraduate research opportunities, visit the Engaged Scholarship &amp; Learning Office.</li> <li>□ Consider attending the LeaderShape Institute or attend the Engaged Scholar Symposium.</li> </ul>	<ul> <li>Go show off your research, service-learning or creative works at the Engaged Scholar Symposium!</li> <li>Sharpen your writing skills! Visit the Writing Center or become the secretary for your organization.</li> </ul>	<ul> <li>Continue to present research or creative works at the Engaged Scholar Symposium or at RGVCTM conference.</li> <li>Set up an informational interview with an individual (especially an alumnus) currently in the field you aspire to work in.</li> </ul>
GLOBAL, CAMPUS & COMMUNITY ENGAGEMENT	<ul> <li>□ Set up your profile on the Engagement Zone through My.UTRGV.edu.</li> <li>□ Attend a diversity based campus or community event (e.g. MLK Day of Service).</li> <li>□ Attend a departmental program!</li> <li>□ Join a student organization! Visit VLink (utrgv.edu/vlink) for options.</li> </ul>	<ul> <li>□ Look at study abroad opportunities!</li> <li>□ Check out a cultural campus or community event such as HESTEC or FESTIBA.</li> <li>□ Join another student organization. Visit VLink for options.</li> <li>□ Check out a campus event that offers free lunchbring a friend!</li> </ul>	<ul> <li>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!</li> <li>Travel the world! Look into study abroad opportunities at Office for International Programs &amp; Partnerships.</li> </ul>	<ul> <li>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.</li> <li>Before a job interview, schedule a mock interview with the Career Center or speech coaching with the Communication Hauser Lab.</li> </ul>
LIFE AFTER GRADUATION	<ul> <li>□ Create a résumé and set up your profile on the Handshake icon: (My.UTRGV.edu).</li> <li>□ Got summer plans? Visit Career Center and ask about places to do some job shadowing.</li> <li>□ Research shows that students who work on campus perform better than those who work off campus. Look for a job on Handshake!</li> <li>□ Check your UTRGV email for the daily Messenger- locate and attend one student workshop.</li> </ul>	<ul> <li>□ Update your resume in Handshake and have it reviewed.</li> <li>□ Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and discuss internships.</li> <li>□ Will a minor expand your career options? Perhaps something within physics or engineering? Discuss this with your Academic Advisor.</li> <li>□ Explain to someone how your academic program aligns with your strengths and interests.</li> </ul>	<ul> <li>□ Check out the UTeach program website for postings on career/graduate school.</li> <li>□ Think about three people you can ask for letters of recommendation (professors, mentors, advisors, supervisors, etc.). Give them at least two weeks' advance notice!</li> <li>□ When is the deadline for your graduate school application? Visiting the program admissions webpage. Most do not accept late applicants!</li> </ul>	<ul> <li>☐ 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.</li> <li>☐ Formulate and implement a strategy for life after graduation: attend career fairs, graduate fairs, apply to fellowships, etc.</li> <li>☐ Update your information with Alumni Relations. Enjoy alumni mixers, events and continued access to Career Center services!</li> <li>☐ Remember to do your exit loan counseling on</li> </ul>

### **CAREERS**

- 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

studentloans.gov.