Choose 1

Graduation requirement You must complete all these major course requirements and all MATH and MATE courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better.

Phone Number 956-665-3451

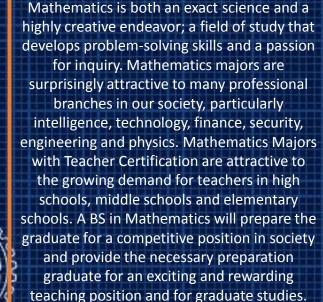
Departmental Office

*Science and Engineering

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Degree Info



School Director Dr. Timothy Huber

Contact Info

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SECOND YEAR

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Life and Physical	•	
Learning Option (Core)	T 200012	
Integrative/Experiential	Choose 1	
Science (Core)		
Government/Political	Choose 1	
Proof IsoitemedteM		
Introduction to	OZEE HTAM	
Modern Geometry I	SSEE HTAM	
Culture (Core)	T 2500U2	
Language, Philosophy &	Choose 1	
Sciences (Core)		
Life and Physical	Choose 1	
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Government/Political	L 9sood	
Differential Equations	1488 HTAM	

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Communication (Core)

Sciences (Core) Sciences (Core) Choose 1 דווב מווח בוולפורמו

Choose 1 Social and Behavioral American History (Core) Choose 1 BYES HTAM S185 Linear Algebra Calculus II MATH 2414 Communication (Core) Choose 1 Learning Framework **UNIV 1301** Creative Arts (Core) Choose 1 Learning Option (Core) Choose 1 Integrative/Experiential American History (Core) Choose 1 I sulusia | Calculus |

Additional Info

Free Elective

Major Elective

Major Advanced

Major Advanced

Major Advanced

RABY HTRUOR

Mathematics Project

Free Elective

Elective

Elective

Elective

Free Advanced Elective

Free Advanced Elective

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	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR AND BEYOND	CAREERS
	☐UTRGV has a Writing Center and a Learning Center.	□Shoot for a GPA of 3.5.	□Shoot for a GPA of 3.5.	□Shoot for a GPA of 3.00.	Theoretical ResearchApplied Research
MILESTONES	Make it a point to visit them! Complete your core English classes (section 010)	□Complete major foundation classes, such as Math 2413, 2414, and 2415.	□Complete 30 credit hours. □Have you landed an internship or acquired research	□"I have a plan for after graduation." If this describes you, great! If not, visit your Faculty Advisor or Career Center!	 Modeling and
	during your first year. □Complete 30 credit hours every year in order to	□Complete 30 credit hours.	experience? This is the year to make it happen. Ask your	☐Register for your Capstone project: MATH 4390 Math Project.	simulation
	graduate in 4 years.		favorite professor about research opportunities. □Enroll in upper level courses for your concentration and	☐ Enroll in Senior level courses in Mathematics, Engineering, or Computer Science.	 Numerical methods and analysis
	☐Shoot for a GPA of <u>3.5</u> .		major such as MATH 3372 Real Analysis I.	□Complete at least 30 credit hours to graduate.	 Statistics and probability
	□Take MATH 2412 in your first year. □Take MATH 1342 Elementary Statistical Methods			☐Submit your application(s) for graduate school in the fall, an apprenticeship, or for fulltime employment.	 Engineering analysis
	☐Meet with your academic advisor and bring your orientation folder with you to every session!	□Want to explore different careers? Check out Kuder Journey!	☐Seek out research opportunities within your major and join a professional organization such as American Mathematical Society.	□Discuss future plans with your faculty mentor or advisor that include employment, finances, and other life goals.	Differential equationsOperations research
ADVICE &	□Choose a major with confidence- Visit my.UTRGV.edu and check out the Kuder Journey.	☐Come ready with course suggestions and questions when you visit your academic advisor.	□Check DegreeWorks to make sure you are on track for	□Apply for graduation one semester prior to your anticipated date. Visit your advisor to ensure you are on track.	• Discrete mathematics
SUPPORT	□Visit a faculty member during their office hours and ask a question about class.	□Visit the Communication Hauser Lab for help with your presentations, especially capstone presentations.	graduation next year. □Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career	☐ Ask the Career Center and your faculty mentors for feedback on your resume, cover letters, and other job application documents.	Accounting and financeComputer programming
	□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.	☐Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available	Center. □Look for future scholarships and fellowships to apply for during the fall of your senior year. Visit utrgv.edu/cstem.	☐Consider applying for a Masters of Doctoral Program. You can start either type of graduate degree with your BS in Mathematics.	Computer systemsAnalysis operationsSales and marketing
APPLY WHAT	□Look for a service-learning course! For guidance, visit Engaged Scholarship & Learning Office. □Participate in a campus-sponsored community service project.	☐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 proof-rich courses beginning with MATH 3350, Introduction to Mathematical	□Continue to present research or creative works at the Engaged Scholar Symposium or at State or National meetings of the Society for Industrial and Applied Mathematics and the American Mathematical Society.	management • Actuarial science • Engineering
YOU LEARN	☐Ask a student in class to study with you.		Proof Writing, or become the secretary for your organization.	□Set up an informational interview with an individual (especially an alumnus) currently in the field you aspire to work in.	 Analysis and control of processes
	☐Set up your profile on the Engagement Zone through My.UTRGV.edu. ☐Attend a diversity based campus or community event	□Look at study abroad opportunities or consider applying to UT-LSAMP or other internal or external summer research projects. Click on Student resources	□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!	□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.	 Optimization and scheduling of resources
GLOBAL, CAMPUS & COMMUNITY	(e.g. MLK Day of Service). □Attend a School Colloquium or Departmental seminar, and drop by your favorite professor's office	at http://www.utrgv.edu/cstem/ □Check out a cultural campus or community event such as HESTEC or FESTIBA.	☐Engage in outreach programs to local schools to complement your major. Consider joining the Experimental	☐Before a job interview, schedule a mock interview with the Career Center or speech coaching with the Communication Hauser Lab.	ProgrammingSystems development
ENGAGEMENT	to talk about research opportunities. □Join a student organization! Consider looking into Society for Industrial and Applied Mathematics (SIAM) or visit VLink (utrgv.edu/vlink) for other	□ Join another student organization. Perhaps the Society for the Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) or visit VLink for options.	Algebra and Geometry group and participating in their outreach program. Travel the world! Look into study abroad opportunities at Office for International Programs & Partnerships.	☐ Ask your favorite professor or faculty mentor for career advice and to review your application materials.	Systems analysis
	options.	□Check out a campus event that offers free lunch- bring a friend!			
LIFE AFTER	☐Create a résumé and set up your profile on the Career Connection icon: (My.UTRGV.edu).	☐ Update your resume in Career Connection and have it reviewed.	□Check out the Center for Excellence in STEM program department website for postings on career/graduate school. Click on Student resources at	☐ 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.	
GRADUATION	□Got summer plans? Visit Career Center and ask about places to do some job shadowing.	☐ Visit the Career Center site to find a job fair to attend. At the event, approach a recruiter and discuss internships.	http://www.utrgv.edu/cstem/ ☐Think about three people you can ask for letters of	☐Formulate and implement a strategy for life after graduation: attend career fairs, graduate fairs, apply to fellowships, etc.	For additional info, visit the
	□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-	☐Will a minor expand your career options? We recommend_Computer Science, Physics, or Engineering.	recommendation (professors, mentors, advisors, supervisors, etc.). Give them at least two weeks' advance notice!	□Update your information with Alumni Relations. Enjoy alumni mixers, events and continued access to Career Center services!	Career Center website and check out "What Can I Do
	locate and attend one student workshop.	☐Explain to someone how your academic program	\square When is the deadline for your graduate school application?	□Remember to do your exit loan counseling on	With This Major?"

With This Major?" www.utrgv.edu/careercenter

UTRio Grande Valley

☐ Explain to someone how your academic program

aligns with your strengths and interests.

locate and attend one student workshop.

take the GRE exam. Visiting the program admissions webpage. Most do not accept late applicants!

Most schools require you to apply a year in advance and to

 $\square \mbox{Remember}$ to do your exit loan counseling on

studentloans.gov.