CONCENTRATION IN ACTUARIAL SCIENCES

MAJOR MAP | 2019-2020





YOUR CLASS SCHEDULE

· Along with Core curriculum, work to complete math courses that are pre-requisites to higher division courses in your major and which align to the actuary certification exam. MATH 1508 or 1411, 2313

ACADEMIC ADVISING

· Schedule an appointment early each semester to be advised by the College of Science Actuary Advisor.

ENRICHING EXPERIENCES

- Get to know your classmates and meet new and different people. Spend time on campus.
- Consider getting involved in student organizations, such as the Club Zero, statistics club or Actuary Student Association
- · Consider the diverse aspects of math careers. You can work in healthcare, business, technology, computing, almost anywhere.

LIFELONG **SUCCESS**

- · Explore opportunities to volunteer or tutor in the schools in order to gain real world experience in the classroom.
- · Judge a science fair, teach a neighbor, take a field trip to a site you can use with your future class. Talk to a financial aid advisor about loan forgiveness for actuaries.

- · Continue taking Mathematics courses that align to the FM and P Exams. Look up exam information at www.soa.org.
- Exam study groups are formed via the Actuary Student Association at UTEP. Talk with students to find out about exam prep resources and get tips about how to study.
- · Schedule an appointment early each semester to be advised by the College of Science Actuary Advisor.
- With your advisor, create your personal plan to graduation and timeline to exams
- · Get involved in student organizations related to your major or other interests; seek leadership roles. Look into working or volunteering with summer camps in area schools or apply to summer research opportunities at UTEP and across the nation.
- Investigate a internships in the field. Get to know their requirements. Most require either the P or FM exam to be passed-so make this a priority!
- · Visit the University Career Center to see what resources they offer to help you prepare for your career.
- Create a timeline to graduation which includes your P and FM exams.

- · Complete all Core curriculum and · Schedule an appointment early each continue taking major courses. You should be enrolled in either STAT 3330 (prep for the P exam) or MATH 3320 (prep for the FM exam).
- Once you are enrolled in this course, you should joint an exam study group and obtain prep materials.
- Schedule your exam for right after you complete the course!
- semester to be advised by the College of Science Actuary Advisor. When you pass an Exam, inform the College of Science Actuary Advisor so he/she can record it.
- · Continue to be involved in the areas that you find fulfilling for you. Consider participating in Project MOVE or other community-based activities.
- Tutor in the schools or become a peer leader for freshmen classes. Attend the UTEP etiquette dinners.
- · Go to a statistics or actuary conference!
- Research summer opportunities for actuarys/statisticians to experience other cultures and communities
- · Explore graduate degrees available in statistics, data science or actuarial sciences.
- · Consider working on an M.S. while you finish your first 5 actuary exams. Statistics majors need an M.S. at least for professional careers.

- · Finish your FM and P exams-tell the actuary advisor too!
- · Explore degree requirements for graduate programs.
- · Schedule an appointment early each semester to be advised by the College of Science Actuary Advisor.
- Schedule an appointment with the College of Science to clear for graduation.
- · Build your resume with activities in your field of study and with educational experiences
- Attend a conference in your field. Some have free registration if you volunteer to help or give a presentation.
- · Join the professional organization for your field-most have complementary student memberships!
- What are the broader impacts or applications of the knowledge you are accumulating?
- · If you are continuing your education, find out the timelines and requirements for matriculating into your new program.
- If you are joining the workforce, attend Actuary job fairs at UTEP. Prepare a resume, practice interview skills and create a Portfolio.

UPDATED 06/29/2018

EDGE ADVANTAGES | UTEP students will graduate with these skills:

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



Bachelor of Science in Mathematics CONCENTRATION IN ACTUARIAL SCIENCES

MAJOR MAP | 2019-2020



Updated

College of Science

Bachelor of Science Degree Plan
Note: Unofficial - Based on New Catalog

Bell Hall 100 747-5536 The University of Texas at El Paso El Paso, Texas 79968-0509

Name

Mathematics - Actuarial Concentration
Minimum Requirement (120/37)

Majpr: Mathematics - Actuarial Concentration Minor: None Required

Department Chair: Dr. Maria Cristina Mariani Director of Advising: Dr. Tina Garza

"C" grades in Math courses & Core Curriculum

"C" grades in Lower division courses in the Major & Minor

2.0 GPA in the major; 2.0 overall GPA

Departmental Academic Advising: Dr. Amy Wagler

REQUIREMENTS ***

	Items Subjects	Has	Needs		Items Subjects	Has	Needs
Α	General Education			В	MAJOR: Mathematics (40/21)		
	(Minimum "C" grades required)				MATH 1411		4
					MATH 1312		3
1	Communication:		6		MATH 2300 or MATH 2325		3
	COMM 1611, ESOL 1311, ESOL 1312,				MATH 2313		3
	RWS 1301, RWS 1302, RWS 1601				MATH 2320		3
					MATH 2326		3
2	Mathematics				MATH 3320		3
	MATH 1411 (See Block B)				MATH 3323 or MATH 4326		3
	MATH 1312)See Block B)				MATH 3325		3
					MATH 3341		3
3	Life and Physical Sciences **				MATH 4329		3
	PHYS 2420 or PHYS 2320-2120		4		STAT 3320		3
	PHYS 2421 or PHYS 2321-2121		4		STAT 3330		3
					STAT 4380 or STAT 4385		3
4	Language, Philosophy, & Culture			С	Additional Required Course(s)		
	ENGL 2311, 2312 2313, 2314, 2318,		3		RWS 3359		3
	HIST 2301, 2302, PHIL 1301, 2306				CIS 3301		3
	FREN 2322, RS 1301, SPAN 2340,				CS 1320 - See #A9		
	WS 2300, WS 2350				ECON 2304 - 18		
	,	1	1 1				
5	Creative Arts						
	ART 1300, ARTH 1305, ARTH 1306.	1	3				
	DANC 1304, FILM 1390, MUSL 1321,	1					
	MUSL 1324, MUSL 1327, THEA 1313	1	1 1				
6	American History			D	Minor in Finance		
	HIST 1301		3		ACCT 2301 - Principles of Accounting I		3
	HIST 1302		3		FIN 3310 - Business Finance		3
					FIN 3315 - Investments		3
7	Government/Political Science				FIN 4310 - Managerial Finance		3
	POLS 2310		3		FIN 4311A - Managerial Finance Lab		1.5
	POLS 2311		3		FIN 4315 - Portfolio Analysis		3
					FIN 4315A - Portfolio Analysi Lab		1.5
8	Social and Behavioral Sciences **				FIN 4316 - Analysis of Derivatives		3
	ECON 2304		3		QMB 3350 - Business Analytics		3
					,		
9	Component Area Option **			Е	Electives		6
	COMM 1302		3		Upper-Division Courses with departmental		
	CS 1320		3		approval		
	** Although UTEP choice is larger,						
	this course also satisfies the major						
	,						
					TOTAL HOURS	0	120

COMMENTS:

Dr. Nancy Marcus, Associate Dean, College of Science

This degree plan is just a sample. Your individualized degree plan may differ.