### FRESHMAN
- 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

### SOPHOMORE
- 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.

### JUNIOR
- Complete all Core curriculum and 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 join an exam study group and obtain prep materials.
- Schedule your exam for right after you complete the course!

### SENIOR
- 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.
  - With your advisor, create your personal plan to graduation and timeline to exams.

### ENRICHING EXPERIENCES
- 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 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!

### LIFELONG SUCCESS
- 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.

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

DEPARTMENT OF MATHEMATICAL SCIENCES | BELL HALL 124 | 915-747-5761 | MATHDEPT@UTEP.EDU
**Bachelor of Science in Mathematics**  
**CONCENTRATION IN ACTUARIAL SCIENCES**  
**MAJOR MAP | 2019-2020**

**DEPARTMENT OF MATHEMATICAL SCIENCES | BELL HALL 124 | 915-747-5761 | MATHDEPT@UTEP.EDU**

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**College of Science**  
**Bachelor of Science Degree Plan**  
**Mathematics - Actuarial Concentration**  
**Minimum Requirement (120/37)**

**Updated**  
**NMC 2-27-18**

**Note:** Official - Based on New Catalog  
**El Paso, Texas 79968-0509**

**Mathematics - Actuarial Concentration**  
**Minor:** Not Mandatory  
**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

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**REQUIREMENTS *****

<table>
<thead>
<tr>
<th>Items</th>
<th>Subjects</th>
<th>Has</th>
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<tbody>
<tr>
<td>A General Education</td>
<td>(Minimum &quot;C&quot; grades required)</td>
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<td>B MAJOR: Mathematics (40/21)</td>
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<td>1 Communication:</td>
<td>COMM 1611, ESOL 1311, ESOL 1312, RWS 1301, RWS 1302, RWS 1601</td>
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<td>2 Mathematics</td>
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<td>MATH 1312 (See Block B)</td>
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<td>3 Life and Physical Sciences **</td>
<td>PHYS 2420 or PHYS 2320-2120</td>
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<td>PHYS 2421 or PHYS 2321-2121</td>
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<td>4 Language, Philosophy, &amp; Culture</td>
<td>ENGL 2311, 2312 2313, 2314, 2318, HIST 2301, 2302, PHIL 1301, 2306, FREN 2322, RS 1301, SPAN 2340, WS 2300, WS 2300</td>
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<td>6 American History</td>
<td>HIST 1301</td>
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<td>7 Government/Political Science</td>
<td>POLS 2310</td>
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<td>8 Social and Behavioral Sciences **</td>
<td>ECON 2304</td>
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<td>9 Component Area Option **</td>
<td>COMM 1302</td>
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<td>CS 1320</td>
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<td>** Although UTEP choice is larger, this course also satisfies the major**</td>
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**D Minor in Finance**

| | ACCT 2301 - Principles of Accounting I | 3 |
| | FIN 3315 - Business Finance | 3 |
| | FIN 4315A - Management Finance | 3 |
| | FIN 4315A - Managerial Finance Lab | 1.5 |
| | FIN 4315A - Portfolio Analysis | 3 |
| | FIN 4315A - Analysis of Derivatives | 3 |
| | QMB 3350 - Business Analytics | 3 |

**E Electives**

| | Upper-Division Courses with departmental approval | 6 |

**TOTAL HOURS**

| | 120 |

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**COMMENTS:**

Dr. Nancy Marcus, Associate Dean, College of Science  
This degree plan is just a sample. Your individualized degree plan may differ.