**Bachelor of Science in Biological Science**

**CONCENTRATION IN BIOMEDICAL SCIENCE**

**MAJOR MAP | 2019-2020**

<table>
<thead>
<tr>
<th>YOUR CLASS SCHEDULE</th>
<th>ACADEMIC ADVISING</th>
<th>ENRICHING EXPERIENCES</th>
<th>LIFE LONG SUCCESS</th>
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</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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</table>
| • Take MATH 1508 or 1411 and BIOL 1305/1107 in the Fall semester.  
• Take BIOL 1306 and CHEM 1305 in the Spring semester.  
• Investigate joining a FYRIS Course in order to conduct hands-on research under the direction of a faculty member.  
• Take PHYS 1403 and 1404 if you are planning to go to medical school. | • Meet with your advisor in the College of Science Advising Center, Bell Hall 100.  
• Attend group advising sessions in the Biology department.  
• Consult your four-year plan. | • Ask your advisor about joining a learning community.  
• Join the Medical Professions Organization if you are planning a career in medicine. | • Visit career fairs and expos and investigate career options.  
• Research options for your post-graduate career. Explore careers, graduate school, or professional programs such as medical school.  
• Discover tutoring resources on campus. |

| **SOPHOMORE**       |                   |                       |                  |
| • Take MICR 2430/2141, the CHEM sequence, and your other required science courses.  
• Consult your degree plan for required courses.  
• Explore elective courses; prioritize courses that promote and enhance critical thinking. | • Meet with your advisor in the Chemistry Department. Make an appointment via email.  
• Consult your four-year plan. | • Investigate opportunities with the Research Initiative for Scientific Enhancement (RISE) program.  
• Explore research positions with Maximizing Access to Research Careers (MARC) program.  
• Discover volunteer opportunities through the Center for Civic Engagement. | • Prepare for any necessary examinations for graduate or professional school. Set dates for examinations.  
• Reach out to the Medical Professionals Institute if you are planning a career in medicine, podiatry, dentistry, veterinary medicine, optometry, or a physician’s assistant program. |

| **JUNIOR**          |                   |                       |                  |
| • Complete all course requirements, including BIOL 3192, and continue taking major courses. You may take up to 6 credit hours of Special Problems. | • Meet with your advisor in the College of Science Advising Center, Bell Hall 100.  
• Ask your advisor about taking entrance exams for graduate or professional school--such as the MCAT or GRE--this year.  
• Attend group advising sessions in the Biology department.  
• Consult your four-year plan. | • Seek internship opportunities and investigate internships abroad.  
• Participate in Project Move. | • Complete all necessary applications for graduate and professional school. Most professional exams need to be taken in either January or February of your Junior year.  
• Ask your advisor about enrolling in a fast track graduate program. |

| **SENIOR**          |                   |                       |                  |
| • Complete degree requirements and any courses needed for graduate or professional school. | • Meet with your advisor in the College of Science Advising Center, Bell Hall 100.  
• Apply for graduation by the deadline. | • Identify professional societies and apply for conferences.  
• Continue to volunteer in the community.  
• Engage in discussions about leadership and innovation at UTEP L.I.V.E. | • Visit the University Career Center and update your resume and CV. |

**EDGE ADVANTAGES:**

• Leadership  
• Problem-solving  
• Communication  
• Entrepreneurship  
• Social Responsibility

**CAREER POSSIBILITIES:**

• Physician (M.D./D.O.)  
• Physician Assistant  
• Optometrist  
• Dentist  
• Veterinarian  
• Pharmacist  
• Research Scientist  
• Laboratory Technician  
• Teacher

**UPDATED 08/15/2018**
Bachelor of Science Degree Plan

**CONCENTRATION IN BIOMEDICAL SCIENCE**

**MAJOR MAP | 2019-2020**

**College of Science**

**Bachelor of Science in Biological Science**

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**Bachelor of Science Degree Plan**

**Biological Sciences - Biomedical Track**

**Major:** Biological Sciences - Biomedical Track  
**Minor:** No Mandatory Minor

**Department Chair:** Dr. Bruce Cushing  
**College of Science Director of Advising:** Dr. Tina Garza

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**REQUIREMENTS**

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<table>
<thead>
<tr>
<th>Items</th>
<th>Subjects</th>
<th>Has</th>
<th>Needs</th>
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<tbody>
<tr>
<td>A General Education</td>
<td>(Minimum &quot;C&quot; grades required)</td>
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<tr>
<td>1 Communication:</td>
<td>COMM 1611, ESOL 1311, ESOL 1312, RWS 1301, RWS 1302, RWS 1301</td>
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<tr>
<td>2 Mathematics</td>
<td>MATH 1411, MATH 1312 or STAT 2480</td>
<td>4</td>
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<tr>
<td>3 Life and Physical Sciences</td>
<td>PHYS 2420 or PHYS 2320-2120 and PHYS 2421 or PHYS 2321-2121</td>
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<tr>
<td>4 Language, Philosophy, &amp; Culture</td>
<td>ENGL 2311, 2312 2313, 2314, 2318, HIST 2301, 2302, PHIL 1301, 2306</td>
<td>3</td>
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<td>5 Creative Arts</td>
<td>ART 1300, ART 1305, ARTH 1306, DAN 1304, FILM 1390, MUSL 1321, MUSL 1324, MUSL 1327, THEA 1313</td>
<td>3</td>
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<tr>
<td>6 American History</td>
<td>HIST 1301, HIST 1302</td>
<td>3</td>
<td></td>
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<tr>
<td>7 Government/Political Science</td>
<td>POLS 2310, POLS 2311</td>
<td>3</td>
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<tr>
<td>8 Social and Behavioral Sciences</td>
<td>ANTH 1301, 1302, 1310, 2320, CE 2326, COMM 2350, 2372, ECON 2303, 2304, EDPC 1301, EDU 1342, ENGL 2320, GEOG 1310, LING 2320, 2340, PSYC 1301, SOCI 1301, SOCI 1310</td>
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<tr>
<td>9 Component Area Option</td>
<td>BUSN 1301, COMM 1301, COMM 1302, CS 1310, CS 1320, SCI 1301, UNIV 1301</td>
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**TOTAL HOURS**

**120**

**COMMENTS:**

Dr. Nancy Marcus, Associate Dean, College of Science

This Biology - Biomedical Concentration degree plan is just a sample. Your individualized degree plan may differ.