**Bachelor of Science in Biology**  
**2014 - 2015 Catalog**  

**The University of Texas at Brownsville and Texas Southmost College**  
This document provides a list of the UTB/TSC courses required for the major and their equivalent UTRGV courses. A significant number of courses have changed their course prefix, number, and title. For any additional information, please visit the Academic Advising Center.

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### UTB/TSC Courses

<table>
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<tr>
<th>Course Equivalents at UTRGV</th>
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### GENERAL EDUCATION CORE COURSES REQUIRED FOR THE MAJOR

<table>
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<tr>
<th>020 – Mathematics (†)</th>
<th>030 – Natural Sciences</th>
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| MATH 1342 Elementary Statistical Methods | CHEM 1411 General Chemistry I  
CHEM 1412 General Chemistry II |

### A – GENERAL EDUCATION CORE – 42 HOURS

42 hours of General Education Core

### B – MAJOR REQUIREMENTS – 46 HOURS

1 – Core Courses for the Major – 28 hours

| BIOL 1306/1106 Biology for Science Majors I/Lab I  
BIOL 1307/1107 Biology for Science Majors II/Lab II  
BIOL 2343/2143 General Biology III/Lab III  
BIOL 3303/3103 Genetics/Lab  
BIOL 3309/3109 Ecology/Lab  
BIOL 3312/3112 Cell and Molecular Biology/Lab  
BIOL 4100 Biology Seminar  
BIOL 4301 Evolution | MATH 1342 Elementary Statistical Methods  
CHEM 1311/1111 General Chemistry I/Lab I  
CHEM 1312/1112 General Chemistry II/Lab II |

2 – Advanced Biology Electives – 18 hours

18 hours of Advanced Biology (BIOL) Electives  
(16 hours must be advanced 3000, 4000 level)

### C – SUPPORT COURSES – 20 HOURS

| CHEM 2423 Organic Chemistry I  
CHEM 2425 Organic Chemistry II  
MATH 2413 Calculus I | MATH 2413 Calculus I  
CHEM 2323/2123 Organic Chemistry I/Lab I  
CHEM 2325/2125 Organic Chemistry II/Lab II |

Choose one course:

| PHYS 1401 College Physics I  
PHYS 2325/2125 University Physics I/Lab I | PHYS 1401 General Physics I  
PHYS 2425 Physics for Scientists and Engineers I |

Choose one course:

| PHYS 1402 College Physics II  
PHYS 2326/2126 University Physics II/Lab II | PHYS 1402 General Physics II  
PHYS 2426 Physics for Scientists and Engineers II |

### D – RESTRICTED ELECTIVES – 12 HOURS*

12 hours of Restricted Electives  
*Courses must be from subject PSYC or any subject within the College of Science, Math, and Technology.  
(4 hours must be advanced 3000, 4000 level)

### TOTAL CREDIT HOURS FOR GRADUATION – 120

### TOTAL ADVANCED HOURS (minimum) – 36

Admission requirements to this program: BIOL-1306/1106, BIOL-1307/1107, CHEM-1411, MATH-2412 (or higher) with "C" or better grade in all these courses and Departmental approval.

† Grade of "C" or better is required for graduation.

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