

HOUSTON BAPTIST UNIVERSITY DEGREE PROGRAM PLAN ^
BACHELOR OF SCIENCE (BS)
BIOCHEMISTRY-MOLECULAR BIOLOGY (BCMB) MAJOR

CATALOG YEAR: 2018/2019

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LIBERAL ARTS CORE REQUIREMENTS:

“**” Indicates course must be completed with a “C” or higher

| COURSES | | Hours | COURSES | | Hours |
|-------------------|-----------------------------------|-------|--|--|-------|
| *ENGL 1313 | Composition and Literature I | 3 | *MATH 1451 | Calculus I | 4 |
| *ENGL 1323 | Composition and Literature II | 3 | GOVT 2313 | American and Texas Government | 3 |
| ENGL 2315 or 2325 | Great Works of Literature I or II | 3 | HIST 2311 | Western Civilization I | 3 |
| PSYC 1313 | General Psychology | 3 | HISTORY: Choose 1 from HIST 2312, HIST 2313 or HIST 2323 | | 3 |
| PHIL 1313 | Introduction to Philosophy | 3 | ART 2343 | Art Appreciation or MUSI 1331 Music Appreciation | 3 |
| CHEM 2415 | General Chemistry I | 4 | COMM 1323 | Rhetoric and Public Speaking | 3 |
| CHRI 1301 | Introduction to the Bible | 3 | | | |
| CHRI 2373 | Christian Theology and Tradition | 3 | TOTAL HOURS IN LIBERAL ARTS CORE | | 44 |

Students transferring to Houston Baptist University with 45 hours or more of transferable college credit are only required to take CHRI 1314, Introduction to the Christian Faith, to meet their Liberal Arts Core Curriculum Christianity requirements.

MAJOR REQUIREMENTS: All courses within major must be completed with a “C” or higher.

| COURSE NO. | COURSE NAME | HOURS |
|------------|--|----------------|
| CHEM 2415 | General Chemistry I | LACC |
| CHEM 2416 | General Chemistry II | 4 |
| CHEM 3313 | Organic Chemistry I | 3 |
| CHEM 3131 | Organic Chemistry I Lab | 1 |
| CHEM 3333 | Organic Chemistry II | 3 |
| CHEM 3132 | Organic Chemistry II Lab | 1 |
| CHEM 4373 | Biochemistry | 3 |
| MATH 1451 | Calculus I | LACC |
| PHYS 2413 | Principles of Physics I | 4 |
| PHYS 2423 | Principles of Physics II | 4 |
| BIOL 2454 | General Biology I | 4 |
| BIOL 2455 | General Biology II | 4 |
| BIOL 3301 | Cell & Molecular Biology | 3 |
| BIOL 3444 | Genetics | 4 |
| BCMB 3414 | Microbiology | 4 |
| BCMB 4424 | Molecular Biology | 4 |
| BCMB 4111 | Bioanalytical Methods | 1 |
| BCMB 4272 | Integrating Biological Concepts | 2 |
| | BCMB Electives (Choose 7 or 8 hours from the following) | 7 / 8 |
| | BCMB 4324, 4335, 4363, 4375, 3375, 4444, 4448, 4464 | |
| | BCMB Lab Techniques (Choose one of these @ 2 hours) | 2 |
| | BCMB 4292, 4294, 4297(cross-list BIOL 4297) | |
| | Total Hours in Major | 58 - 59 |
| | Elective Hours Required | 22-23 |
| | TOTAL HOURS IN DEGREE | 125 |

^ Students may obtain the official degree plan from their academic advisor.