

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

NAME: _____ H# _____ DATE: _____

CATALOG YEAR: **2021/2022**

Candidates for a single major undergraduate baccalaureate degree must complete a total of at least 125 credit hours along with the following requirements:

- No fewer than 30 semester hours of upper / advanced level (3000 or 4000) courses.
- No more than 6 credit hours in Kinesiology activity courses or other student activity hours will count towards the 125 credit hour requirement.
- Complete the Liberal Arts Core Requirements (certain majors may have their own prescribed Liberal Arts Core Requirements--please see your advisor in your major.)
- Complete a minimum of 30 hours or 25% of the required hours, whichever is greater, of residency at HBU including at least 12 advanced credit hours in the major
- Cumulative GPA of at least 2.00 with no grade below "C" in courses required for the major.
- If completing a MINOR, at least 9 upper level hours of RESIDENCY at HBU included in the MINOR w/grade of C or higher in all courses.

Once admitted and enrolled at HBU, each student MUST:

- Receive prior approval for any courses taken at another college (once an undergraduate student has enrolled at HBU, no more than 18 semester hours total will be accepted for transfer credit.)
- File a degree plan with the Registrar's Office before 64 credit hours have been completed.
- File a graduation application at least one (1) semester before anticipated date of graduation.

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 3300, *Introduction to the Bible and Theology*, 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 |

OTHER GRADUATION REQUIREMENTS

Any departmental Exit Exams.

Community Life & Worship (CLW): 80 credits by graduation (Worship Events - at least 50 CLW credits & Community Life Events – no more than 30 CLW credits)
A max of 60 CLW credits can be earned through CLEP, dual credits & transfer credit that is accepted through the HBU Registrar.

FYS 1300 (freshmen only) – Required for all students entering with less than 32 completed semester hours credit.
100% online students will take a three hour course, **ONLN 1300** Introduction to Online Learning, in place of FYS 1300.

APPROVED BY: _____

ADVISOR _____ DATE _____

DEAN OF COLLEGE _____ DATE _____

I HAVE READ AND AGREE TO ABIDE BY ALL REQUIREMENTS ON THE DEGREE PLAN

STUDENT SIGNATURE _____ DATE _____

THIS DEGREE PLAN IS NOT VALID UNTIL RECEIVED & PROCESSED BY THE OFFICE OF ACADEMIC RECORDS PROCESSED BY _____ DATE _____