

COLLEGE OF NATURAL SCIENCES & MATHEMATICS

Bachelor of Science, Biology

Four-Year Academic Map

2023-2024

| YEAR 1 | Semester 1 Fall | | | | Semester 2 Spring | | | | Total |
|--------|-----------------|--------------------------------------|---|-----------|---------------------------------------|---|--|----|-------|
| | ENGL 1301 | First Year Writing I | 3 | ENGL 1302 | First Year Writing II | 3 | | | |
| | CHEM 1311 | Fundamentals of Chemistry I | 3 | CHEM 1312 | Fundamentals of Chemistry II | 3 | | | |
| | CHEM 1111 | Fundamentals of Chemistry I Lab | 1 | CHEM 1112 | Fundamentals of Chemistry II Lab | 1 | | | |
| | MATH 2413 | Calculus I | 4 | MATH 2414 | Calculus II | 4 | | | |
| | BIOL 1306 | Introduction to Biological Science I | 3 | BIOL 1307 | Introduction to Biological Science II | 3 | | | |
| | BIOL 1106 | Intro to Biological Science I Lab | 1 | BIOL 1107 | Intro to Biological Science II Lab | 1 | | | |
| | Semester Hours | | | 15 | Semester Hours | | | 15 | 30 |

| YEAR 2 | Semester 1 | | | | Semester 2 | | | | Total |
|----------------|------------|-------------------------------------|-------|----------------|---------------------------|---|----|-------|-------|
| | CHEM 2323 | Fundamentals of Organic Chemistry I | 3 | Elective | NSM Capstone or Electives | 6 | | | |
| | CHEM 2123 | Fundamentals of Organic Chem I Lab | 2 | BCHS 3304 | General Biochemistry I | 3 | | | |
| | BIOL 3301 | Mendelian and Population Genetics | 3 | BIOL 3306 | Evolutionary Biology | 3 | | | |
| | Elective | Approved Advanced Biology Elective | 3 | HIST CORE | The United States to 1877 | 3 | | | |
| | MATH 2415 | Calculus III OR | } 3-4 | | | | | | |
| | MATH 3338 | Probability OR | | | | | | | |
| | MATH 3339 | Statistics for the Sciences | | | | | | | |
| Semester Hours | | | 14-15 | Semester Hours | | | 15 | 29-30 | |

| YEAR 3 | Semester 1 | | | | Semester 2 | | | | Total |
|----------------|------------|--|-----|----------------|---------------------------------------|---|----|----|-------|
| | HIST CORE | The United States Since 1877 | 3 | Elective | Approved Advanced Biology Elective | 3 | | | |
| | BIOL 4206 | Ecology and Evolution Laboratory OR | } 2 | PHYS 1302 | Introductory General Physics II | 3 | | | |
| | BIOL 4272 | Cellular & Developmental Bio Lab OR | | PHYS 1102 | General Physics Laboratory II | 1 | | | |
| | BCHS 3201 | Biochemistry Laboratory I | | | | | | | |
| | BIOL 4374 | Cell Biology | 3 | GOVT 2305 | US Govt: Congress, President & Courts | 3 | | | |
| | GOVT 2306 | US & Texas Constitutions & Politics | 3 | CORE | Social & Behavioral Sciences | 3 | | | |
| | PHYS 1301 | Introductory General Physics I | 3 | Elective | NSM Capstone or Elective | 3 | | | |
| | PHYS 1101 | General Physics Laboratory I | 1 | | | | | | |
| Semester Hours | | | 15 | Semester Hours | | | 16 | 31 | |

| YEAR 4 | Semester 1 | | | | Semester 2 | | | | Total |
|--------|----------------|---|-----|-----------|-------------------------------------|---|--|-----|-------|
| | Biol 3311 | Advanced Methods and Writing in Genetics Laboratory | 3 | BIOL 4103 | Integration of Biological Knowledge | 1 | | | |
| | Elective | Approved Advanced Biology Electives | 3 | Elective | Approved Advanced Biology Elective | 3 | | | |
| | Elective | NSM Capstone or Electives | 6-7 | Elective | NSM Capstone or Electives | 7 | | | |
| | CORE | Language, Philosophy & Culture | 3 | CORE | Creative Arts | 3 | | | |
| | Semester Hours | | | 15-16 | Semester Hours | | | 14 | 29-30 |
| | | | | | | | | 120 | |

Students should meet with their academic advisor to formulate their own plan.

Updated July 24, 2017