

SUGGESTED COURSE SEQUENCING FOR A PRE-PROFESSIONAL/PRE-MEDICAL BIOLOGY MAJOR
(Exceeds minimum requirements for B.S. degree)

FRESHMAN YEAR

| Fall Semester | | Hours | Spring Semester | | Hours |
|------------------------------|----------------------------------|-----------|------------------------------|----------------------------------|-----------|
| BIOL 105 | Attributes of Living Systems | 4 | BIOL 106 | Principles of Animal Biology | 3 |
| BIOL 105L | Attributes of Living Systems Lab | 1 | BIOL 106L | Principles of Animal Biology Lab | 2 |
| CHEM 131 | General Chemistry | 4 | CHEM 132 | General Chemistry | 4 |
| CHEM 131L | General Chemistry Lab | 1 | CHEM 132L | General Chemistry Lab | 1 |
| MATH 151 | Calculus I* | 5 | MATH 152 | Calculus II* | 5 |
| Human Performance & Wellness | | 1 | Human Performance & Wellness | | 2 |
| | | <u>16</u> | | | <u>17</u> |

*For Professional Schools (medical, veterinary, dental) that do not require calculus as a prerequisite, MATH 113, College Algebra, **and** MATH 146, Calculus for Biological Sciences, **or** STAT 200, Probability and Statistics can be substituted for the Math Requirement.

SOPHOMORE YEAR

| Fall Semester | | Hours | Spring Semester | | Hours |
|----------------------------------------------|---------------------------------|-----------|------------------------------|---------------------------------|-----------|
| BIOL 107 | Principles of Plant Biology | 3 | BIOL _____ | Select from catalog listings | 4 |
| BIOL 107L | Principles of Plant Biology Lab | 2 | PHYS 112 | General Physics (or higher) | 4 |
| PHYS 111 | General Physics (or higher) | 4 | PHYS 112L | General Physics Lab (or higher) | 1 |
| PHYS 111L | General Physics Lab (or higher) | 1 | ENGL 112 | English Composition | 3 |
| ENGL 111 | English Composition | 3 | | | |
| General Education Social/Behavioral Sciences | | 3 | General Education Humanities | | 3 |
| | | <u>16</u> | | | <u>15</u> |

JUNIOR YEAR

| Fall Semester | | Hours | Spring Semester | | Hours |
|------------------------------|----------------------------|-----------|----------------------------------------------|------------------------------|-----------|
| BIOL 301 | Principles of Genetics | 3 | BIOL _____ | Select from catalog listings | 4 |
| BIOL 301L | Principles of Genetics Lab | 1 | CHEM 312 | Organic Chemistry** | 4 |
| CHEM 311 | Organic Chemistry** | 4 | CHEM 312L | Organic Chemistry Lab** | 1 |
| CHEM 311L | Organic Chemistry Lab** | 1 | General Education Humanities or | | |
| General Education Fine Arts | | 3 | Social/Behavioral Sciences | | 3 |
| General Education Humanities | | 3 | General Education Social/Behavioral Sciences | | 3 |
| | | <u>15</u> | | | <u>15</u> |

**These courses are not required to receive a B.S. in Biological Sciences. However, they are required for admission to Professional Schools (medical, veterinary, dental).

SENIOR YEAR

| Fall Semester | | Hours | Spring Semester | | Hours |
|-----------------------------------|--------------------------------------|-----------|--------------------|------------------------------------------------|-----------|
| BIOL _____ | Select from catalog listings | 8 | BIOL _____ | Select from catalog listings | 4 |
| BIOL 482 | Senior Research (2) [if not 483] | | BIOL 483 or | Senior Thesis (2) [if not 482 & 487] or | |
| CHEM 315 | Biochemistry (optional) | 3 | BIOL 487 | Indep. Research (2) [if not 483] | 2 |
| CHEM 315L | Biochemistry Lab (optional) | 1 | | | |
| General Education Applied Studies | | 3 | Electives | | 10 |
| | | <u>15</u> | | | <u>16</u> |

Minimum GPA 2.0 (repeated classes will be counted only once)

| | |
|--------------------------------------------------------|-------------------|
| General Education | 34 |
| Human Performance and Wellness | 3 |
| Degree Distinction | 7 [#] |
| Required Core Courses* | 21 [‡] |
| Required Related Study Area Courses [§] | 20 |
| Additional Biology Courses (50% upper division) | 20 |
| Electives | 15 |
| MINIMUM TOTAL HOURS REQUIRED | <u>120</u> |

Minimum upper division hours required (300 & 400 level classes) . . 40