

Bachelor of Science, Biology: Pre-Medicine Concentration (PMED)

***Sequence of courses may be altered with consent of advisor.

| Course No. | Description | Cr. |
|-----------------------------------|--------------------------------|-----------|
| First Year Fall | | |
| <input type="checkbox"/> BIOL 110 | Evolution, Ecol, & Plant Biol. | 4 |
| <input type="checkbox"/> CHEM 121 | Chemistry Principles I | 4 |
| <input type="checkbox"/> MATH 121 | Calculus/Geom I | 3 |
| <input type="checkbox"/> HIST xxx | History Elective | 3 |
| <input type="checkbox"/> ENGL 103 | Writing for Discipline | 3 |
| <input type="checkbox"/> CORE 103 | Fall Comm. Enrich. Series | 0 |
| <input type="checkbox"/> BIOL 131 | Biology Freshman Seminar | 0 |
| Total Credits | | 17 |

| Course No. | Description | Cr. |
|-----------------------------------|-----------------------------|-----------|
| Second Year Fall | | |
| <input type="checkbox"/> BIOL 211 | Comp. Vertebrate Anat. | 4 |
| <input type="checkbox"/> CHEM 221 | Organic Chemistry I | 4 |
| <input type="checkbox"/> ENGL 104 | Intro to Literature | 3 |
| <input type="checkbox"/> PHIL 205 | Reason and Responsibility | 3 |
| <input type="checkbox"/> GETM III | Div & Comm Outer Core (III) | 3 |
| <input type="checkbox"/> CORE 211 | Personal Wellness | 0 |
| Total Credits | | 17 |

| Course No. | Description | Cr. |
|-----------------------------------|--------------------------|-----------|
| Third Year Fall | | |
| <input type="checkbox"/> BIOL 301 | Genetics & lab | 4 |
| <input type="checkbox"/> PHYS 104 | Intro to Physics I | 4 |
| or 121 | Gen. Physics I | |
| <input type="checkbox"/> BIOL 401 | Cell & Molecular Biology | 4 |
| <input type="checkbox"/> SOC SCI | Elective | 3 |
| <input type="checkbox"/> BIOL 331 | Biology Junior Seminar | 0 |
| <input type="checkbox"/> EXAM 301 | Writing Competency | 0 |
| Total Credits | | 15 |

| Course No. | Description | Cr. |
|-----------------------------------|-------------------------------|-----------|
| Fourth Year Fall | | |
| <input type="checkbox"/> BIOL xxx | Biology Elective | 4 |
| <input type="checkbox"/> LANG xxx | Foreign Lang. (102 or higher) | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| Total Credits | | 16 |

Total Required Credits: 128

| Course No. | Description | Cr. |
|-----------------------------------|-------------------------------------|-----------|
| First Year Spring | | |
| <input type="checkbox"/> BIOL 111 | Molecules, Cells, & Anim. Phys. | 4 |
| <input type="checkbox"/> CHEM 122 | Chemistry Principles II | 4 |
| <input type="checkbox"/> SOC SCI | Elective | 3 |
| <input type="checkbox"/> RLST 105 | Francis and Global Issues | 3 |
| <input type="checkbox"/> CORE 113 | Gen Ed 1 st Year Seminar | 3 |
| <input type="checkbox"/> CORE 104 | Spring Comm. Enrich. Series | 0 |
| Total Credits | | 17 |

| Course No. | Description | Cr. |
|-------------------------------------|------------------------------|--------------|
| Second Year Spring | | |
| <input type="checkbox"/> BIOL 406 | Vertebrate Physiology | 4 |
| <input type="checkbox"/> CHEM 222 | Organic Chemistry II | 4 |
| <input type="checkbox"/> Statistics | Statistics Course (see note) | 3-4 |
| <input type="checkbox"/> PHIL 312 | Health Care Ethics (GETM I) | 3 |
| <input type="checkbox"/> FNAR xxx | Fine Arts Elective | 3 |
| <input type="checkbox"/> CORE 212 | Community & Global Wellness | 0 |
| <input type="checkbox"/> BIOL 231 | Biology Sophomore Seminar | 0 |
| Total Credits | | 17-18 |

| Course No. | Description | Cr. |
|-----------------------------------|-------------------------|-----------|
| Third Year Spring | | |
| <input type="checkbox"/> BIOL 302 | General Microbiology | 4 |
| <input type="checkbox"/> PHYS 105 | Intro to Physics II | 4 |
| or 122 | Gen. Physics II | |
| <input type="checkbox"/> GETM IV | Soc Sys Outer Core (IV) | 3 |
| <input type="checkbox"/> BIOL 405 | Biochemistry | 3 |
| <input type="checkbox"/> | Free Elective | 3 |
| Total Credits | | 17 |

| Course No. | Description | Cr. |
|-----------------------------------|------------------------|-----------|
| Fourth Year Spring | | |
| <input type="checkbox"/> BIOL 402 | Evolution | 3 |
| <input type="checkbox"/> BIOL 431 | Biology Senior Seminar | 1 |
| <input type="checkbox"/> | Free Elective | 3 |
| <input type="checkbox"/> | Free Elective | 2 |
| <input type="checkbox"/> CORE 407 | Keystone Seminar | 3 |
| <input type="checkbox"/> EXAM 401 | Dept. Comp. Exam | 0 |
| Total Credits | | 12 |

Biology Elective Course:

Students should take one of the following:

- BIOL 203 – Ecology (F)
- BIOL 208 – Animal Behavior (F)
- BIOL 212 – Developmental Biology (S)
- BIOL 398 or 399 – Biology Internship
- Any 400- or 500- level Biology Course

Statistics Requirement can be fulfilled* by:

- BIOL 315 – Biostatistics (S)
- MATH 215 – Introductory Statistics (F,S)
- STAT 205 – Essentials of Statistics (F,S)

* Students are encouraged to check with relevant professional schools to verify mathematics and statistics entrance requirements.

Notes:

- BIOL 212 Developmental Biology is recommended.
- Consider undergraduate research.
- Job Shadow during summer after freshman and sophomore years.
- Plan to take entrance exam summer after junior year.
- Begin prep for that exam during sophomore year.
- STAT 205 or MATH 215 is recommend over BIOL 315 students that will apply to schools that require two semesters of college mathematics.
- MATH 122 (taken as free elective) is required for PHYS 121
- Consider the following electives for Gen Ed Req's
- Inner core social science elective:
 - PSYC 101 - Intro to Psych
 - SOC 101/102 - General Sociology
- Outer core:
 - HIST 245 History of Medicine
 - PSYC 204 Developmental Psychology
 - SOC 312 Medical Sociology

Updated: 5/2017