Bachelor of Science in Biology

Pre-Medicine/Pre-Osteopathic Medicine Major Advising Worksheets$

**General Studies for B.S. degree:**

Communication Outcome (9 credit hours):

3 courses, grade of C or better required

ENG 101 \_\_

ENG 102 \_\_

COM 101 \_\_

Analysis Outcome (20-21 credit hours; 11-12 credit hours satisfied within major

requirements):

Students must take courses from each analytical block as directed:

Critical Reading (1 Course) Economics/Finance (1 Course)

ENG 200-400 Literature, any \_\_ ECON 103 OR FIN 131 \_\_

Logic/Critical Assessment (1 Course)

PSYC 101\* OR PHIL 100-400, any \_\_

Self and Cultural Awareness Outcome (17-18 credit hours):

Students must take courses from each awareness block as directed:

Fine Arts (1 Course) Perceptions & Cultures (4 Courses)

ART 140, 340, 341, 343, 3 Courses from different groups

FA 101, MUS 130, 132, 133, GEO 205, 206 \_\_

THE 100, 300 \_\_ POLS 101, 201 \_\_

SOC 150\*, SWK 201 \_\_

Health and Wellness (1 Course) REL, SPAN, FREN, SPA 252 \_\_

HE 250, 253 \_\_

1 Course HIST

HIST 103, 104, 210, 211 \_\_

\*Denotes General Education courses specifically required for the Pre-Medicine major

**Pre-Medicine Major:**

Core Courses:

BIO 124/125ŧ (Prin Bio/lab) \_\_/\_\_ (4h) PHYS 101/110 (Phys I) \_\_/\_\_(4h)

BIO 202/203 (Zoology/lab) \_\_/\_\_ (4h) PHYS 102/111 (Phys II)\_\_/\_\_(4h)

CHEM 110/111ŧ (Chem I) \_\_/\_\_ (4h) MATH 210ŧ (Calc I) \_\_ (4h)

CHEM 112/113 (Chem II) \_\_/\_\_ (4h) MATH 160 (Stats) \_\_ (3h)

OR

BIO 221 (Biostats) \_\_ (3h)

ŧCourses fulfill General Studies Analysis Outcome, Quantitative and Scientific blocks.

Major Specific Courses:

BIO 302/303 (Anat I/lab)\_\_/\_\_(4h) BIO 460/461 (Mol Bio/lab)\_\_/\_\_(4h)

BIO 317 (Immunology) \_\_(3h) BIO 472 (Cell Bio) \_\_(3h)

BIO 325/326 (Micro & lab)\_\_/\_\_(4h) BIO 479 (Intern; 1-3h) \_\_

BIO 328/334 (Anat II/lab)\_\_/\_\_(4h) BIO 480 (Capstone) \_\_(1h)

BIO 401 (Genetics/lab) \_\_(4h)

Restricted Electives (12h required from the following list):

BIO 200 (Botany/lab) \_\_(4h) BIO 423 (Pathophys) \_\_(3h)

BIO 330 (Nutrition) \_\_(3h) BIO 426 (Comp Phys) \_\_/\_\_(4h)

BIO338 (Med. Bot) \_\_(3h) BIO 432 (Histol) \_\_(4h)

BIO 350 (Develop Bio) \_\_(3h) BIO 462 (Micro Path) \_\_(3h)

BIO 407 (Human Gen) \_\_(3h) BIO 465 (Virology) \_\_(3h)

Additional Requirements:

CHEM 340/341 (OChem I) \_\_/\_\_(4h) CHEM 342/343(OChem II)\_\_/\_\_(4h)

CHEM 480 (BiochemI; F) \_\_ (3h)

* 120 credit hours are required to graduate from West Liberty with a B.S.; 40 of those hours must be 300-400 level courses.
* The Pre-Medicine major requires a cumulative 3.2 gpa in all math and sciences courses with at least a “C” in each course within the program.
* \*Pre-Medicine majors must take PSYC 101 and SOC 150 within their General Education curriculum. These courses are required for the major and for MCAT preparation.
* For eligibility to WVSOM Pre-Osteopathic Medicine Program, Pre-Medicine majors must:
  + Maintain a science GPA of 3.2 or higher
  + Hold an ACT score of 21 or higher, or an SAT score of 980 or higher (1500 with writing section)
  + Apply to POMP by May 1 of the sophomore year
  + Attend a two-day summer program specifically designed for the Pre-Osteopathic Medicine Track (hosted by WVSOM)
  + Complete application to WVSOM in the spring of the junior (3rd) year of study at WLU
  + Achieve a 23 or higher on the MCAT with minimum sub-score in any one area of no less than 6 (taken late fall term or very early spring term of the 3rd year of study at WLU)
  + Schedule and complete successfully a summer admission interview with the WVSOM Admissions Office
* $These worksheets are to be used as a guide. Each student is responsible for their curriculum and meeting the requirements for graduation as stipulated in the college catalog.
* Courses may not be offered every semester and/or every year; please consult Biology advisor for course sequencing.