Bachelor of Science in Biology

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

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

Communications (grade of C or better): Social & Behavioral Sciences:

ENG 101 (F/S) \_\_ HIS 103, 104, 210 or 211 \_\_

ENG 102 (F/S) \_\_ (1 course from each of 3 areas below)

COM 101 (F/S) \_\_ GEO 205, 206 \_\_

Fine Arts/Humanities: POLS 101, 201 \_\_

FA 101, ART 140, 340, 343, SOC 150\*, SWK 201 \_\_

MUS 130, 132, 133, COM 203, PSYC 101\* \_\_

THE 100, 300 (1 course) \_\_ Wellness/Phys Ed:

Literature (1 course) \_\_ PE 101 or 102 (1-2 courses) \_\_

Phil, For Lang, or Rel (1 course)\_\_ HE 250 or HE 253 \_\_

Business and Economics (1 course):

ECON 103, FIN 131 \_\_

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

**Pre-Medicine Major:**

Core Courses:

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

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

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

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

OR

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

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 Track, 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)
  + 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.