Bachelor of Science in Biology
Pre-Medicine/Pre-Osteopathic Medicine Major Advising Worksheets$ 

General Studies for B.S. degree:

Communication Outcome (6-9 credit hours):
2-3 courses, grade of C or better required
ENG 101 and ENG 102 ___ ___ COM 101 ___ ___
OR ___ ___
ENG 103 ___ 

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)
ENG 200-400 Literature, any ___ 
Economics/Finance (1 Course)
ECON 103, 104, OR FIN 131 ___

Logic/Critical Assessment (1 Course)
LING 150, PSYC 101* OR PHIL 210 ___ 

Self and Cultural Awareness Outcome (18 credit hours):
Students must take courses from each awareness block as directed:
Fine Arts (1 Course) Perceptions & Cultures (5 Courses)
ART 140, 340, 341, 343, GEO 205, 206 ___ ___
FA 101, MUS 130, 132, 133, 134 ___ ___
THE 100, 300 ___ ___ POLS 101, 201 ___ ___
SOC 150*, SWK 201 ___ ___
REL, any ___ ___
SPAN, FREN, SPA 252 ___ ___
HE 250, 300 ___ ___
PHIL, any except PHIL210 ___ ___

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 124/125' (Prin Bio/lab) ___ ___ (4h) PHYS 101/110 (Phys I) ___ ___(4h)
BIO 202/203 (Zoology/lab) ___ ___ (4h) PHYS 102/111 (Phys II) ___ ___(4h)
BIO 208 (Found Cell & Molec) ___ (3h) MATH 210' (Calc I) ___ (4h)
CHEM 110/111' (Chem I) ___ ___ (4h) MATH 160 (Stats) ___ (3h)
CHEM 112/113 (Chem II) ___ ___ (4h) OR ___ ___
BIO 221 (Biostats) ___ (3h)

*Courses fulfill General Studies Analysis Outcome, Quantitative and Scientific blocks.
Major Specific Courses:
- BIO 302/303 (Anat I/lab) __/__(4h)
- BIO 317 (Immunology) ___(3h)
- BIO 325/326 (Micro & lab)__/__(4h)
- BIO 328/334 (Anat II/lab)__/__(4h)
- BIO 401 (Genetics/lab) ____(4h)
- BIO 460/461 (Mol Bio/lab)___/___(4h)
- BIO 472 (Cell Bio) ____(3h)
- BIO 479 (Intern; 1-3h) ___
- BIO 479 (Intern; 1-3h) ___
- BIO 480 (Capstone) ___(1h)

Restricted Electives (9h required from the following list):
- BIO 200 (Botany/lab) ___(4h)
- BIO 330 (Nutrition) ___(3h)
- BIO 338 (Med. Bot) ___(3h)
- BIO 350 (Develop Bio) ___(3h)
- BIO 407 (Human Gen) ___(3h)
- BIO 423 (Pathophys) ___(3h)
- BIO 426 (Comp Phys) __/__/__(4h)
- BIO 432 (Histol) ___(4h)
- BIO 462 (Micro Path) ____(3h)
- BIO 465 (Virology) ___(3h)

Additional Requirements:
- CHEM 340/341 (OChem I) __/__/__(4h)
- CHEM 342/343 (OChem II) __/__/__(4h)
- CHEM 480 (BiochemI; S) ___(3h)
- CHEM 480 (BiochemI; S) ___(3h)
- OR
- BIO 470 (Biol Chem; F) ___(3h)

General electives to total 120 as needed.

- 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.