

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 ___/___

OR

ENG 103 ___

COM 101 ___

(required for all students)

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)

ART 140, 340, 341, 343,

FA 101, MUS 130, 132, 133,

THE 100, 300 ___

Perceptions & Cultures (5 Courses)

4 Courses from different groups

GEO 205, 206 ___

POLS 101, 201 ___

SOC 150*, SWK 201 ___

REL, any ___

SPAN, FREN, SPA 252 ___

HE 250 ___

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)

BIO 202/203 (Zoology/lab) ___/___ (4h)

BIO 208 (Found Cell & Molec) ___ (3h)

CHEM 110/111[†] (Chem I) ___/___ (4h)

CHEM 112/113 (Chem II) ___/___ (4h)

PHYS 101/110 (Phys I) ___/___ (4h)

PHYS 102/111 (Phys II) ___/___ (4h)

MATH 210[†] (Calc I) ___ (4h)

MATH 160 (Stats) ___ (3h)

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 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 (9h 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)		

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
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- Courses may not be offered every semester and/or every year; please consult Biology advisor for course sequencing.