

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		(required for all students)	
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:

<u>Critical Reading (1 Course)</u>	<u>Economics/Finance (1 Course)</u>
ENG 200-400 Literature, any	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:

<u>Fine Arts (1 Course)</u>	<u>Perceptions & Cultures (5 Courses)</u>
ART 140, 340, 341, 343, FA 101, MUS 130, 132, 133, 134 THE 100, 300	4 Courses from different groups GEO 205, 206 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 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; 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.