

Bachelor of Science in Biology Pre-Professional 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,	4 Courses from different groups
FA 101, MUS 130, 132, 133,	GEO 205, 206
THE 100, 300	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

Pre-Professional Major:

Core Courses:

BIO 124/125 [†] (Prin Bio/lab)	—/ —(4h)	CHEM 112/113 (Chem II)	—/ —(4h)
BIO 200 (Botany/lab)	—(4h)	PHYS 101/110 (Phys I)	—/ —(4h)
BIO 202/203 (Zoology/lab)	—/ —(4h)	PHYS 102/111 (Phys II)	—/ —(4h)
BIO 207 (Funds Eco & Biodiv)	— (3h)	MATH 145 [†] (Precal)	—(3h)
OR		BIO 221 (Biostats)	—(3h)
BIO 208 (Found Cell & Molec)	— (3h)		
CHEM 110/111 [†] (Chem I)	—/ —(4h)		

[†] Courses fulfill General Studies Analysis Outcome, Quantitative and Scientific blocks.

Major Specific Courses:

BIO 302/303 (Anat I/lab)	___/___(4h)	BIO 404/405 (Ecology/lab)	___/___(4h)
OR		OR	
BIO 426(Comp Phys/lab)	___/___(4h)	BIO 472 (Cell Bio)	___(3h)
BIO 325/326 (Micro/lab)	___/___(4h)	BIO 479 (Res/Intern; 1-3h)	___
BIO 401 (Genetics/lab)	___(4h)	BIO 480 (Capstone)	___(1h)
BIO 460/461 (Mol Bio/lab)	___/___(4h)		

Additional Requirements:

CHEM 340/341 (OChem I)	___/___(4h)	CHEM 342/343 (OChem II)	___/___(4h)
CHEM 480 (Biochem I; F)	___(3h)		

Students must take an additional 9 credit hours of BIO 207 OR BIO 208 (cannot double count with above choice) and/or Biology 300-400 level Electives AND 300-400 level General Electives to total 120 credit hours (2-10 credit hours)

- 120 credit hours are required to graduate from West Liberty with a B.S.; 40 of those hours must be 300-400 level courses.
- Major requires a cumulative 2.5 GPA in all math and sciences courses with at least a "C" in each course within the program.
- ^sThese 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 with Biology advisor for sequencing.