

Bachelor of Science in Biology
Pre-Professional Major Advising Worksheets^{\$}

General Studies:

Composition & Oral Communication Outcome (6-10 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 (3 credit hours; 7-11 credit hours of MATH and BIO/CHEM/PHYS satisfied within major requirements)

Students must take one course:

COM 203 (Arg/Debate)	—	LING 150 (Intro Ling)	—
ECON 103 (Microecon)	—	PHIL 210 (Logic)	—
FIN 131 (Financial Lit)	—	PSYC 101 (Intro to Psych)	—

Cultural Literacy Outcome (18 credit hours)

Students must take courses from each literacy block as directed:

<u>History (1 Course)</u>	<u>Literature (1 Course)</u>
HIST 103, 104, 210, 211	ENG 202, 204, 205, 214, 215

Arts & Humanities (2 Courses)

1 courses from each group

GROUP I:

ART 140, 341, 343,
MUS 130, 132, 133, 134
THE 100, 300

GROUP II:

PHIL 201, 205
REL 250, 335
Any FREN or SPAN
SPA 252

Social Sciences (2 Courses)

2 courses from different groups

GROUP I:

GEO 205, 206

GROUP II:
POLS 101, 201, 202

GROUP III:

SOC 150, SWK 201

Pre-Professional Major:

Core Courses:

BIO 124/125 [†] (Prin Bio/lab)	— / — (4h)	CHEM 110/111 [†] (Chem I)	— / — (4h)
BIO 200 (Botany/lab)	— (4h)	CHEM 112/113 (Chem II)	— / — (4h)
BIO 202/203 (Zoology/lab)	— / — (4h)	PHYS 101/110 (Phys I)	— / — (4h)
BIO 207 (Funds Eco & Biodiv)	— (3h)	PHYS 102/111 (Phys II)	— / — (4h)
OR		MATH 145 [†] (Precal)	— (4h)
BIO 208 (Found Cell & Molec)	— (3h)	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 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) __ (2h)
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; S) __ (3h)	
OR	
BIO 470 (Biol. Chem.; 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.
- \$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 with Biology advisor for sequencing.