

Bachelor of Science in Biology
Human Biology 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	___
 <u>Logic/Critical Assessment (1 Course)</u>			
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, 134		GEO 205, 206	___
THE 100, 300	___	POLS 101, 201	___
		SOC 150*, SWK 201	___
		REL, any	___
		SPAN, FREN, SPA 252	___
		HE 250, 300	___
		PHIL, any except PHIL 210	___
		1 Course HIST	
		HIST 103, 104, 210, 211	___

*Students must take PSYC 101 and SOC 150 as a General Studies course.

Human Biology Major:

Core Courses (34 credit hours):

BIO 124/125 [†] (Prin Bio/lab)	___/___(4h)	PHYS 101/110 (Phys I; F)	___/___(4h)
BIO 202/203 (Zoology/lab)	___/___(4h)	PHYS 102/111 (Phys II; S)	___/___(4h)
BIO 208 (Found Cell & Molec)	___ (3h)	MATH 145 [†] (Precal)	___(4h)
CHEM 110/111 [†] (Chem I; F)	___/___(4h)	BIO 221 (Biostats; F/S)	___(3h)
CHEM 112/113 (Chem II; S)	___/___(4h)		

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

Major Specific Courses (29 credit hours):

BIO 210 (BiomedTerm)	__(3h)	BIO 328/334 (A&PII/lab)	__(4h)
BIO 206 (Biol Anthro; F)	__(3h)	BIO 343 (Vert Zoo/lab; F)	__(4h)
	OR	PSYC 252* (Lifespan Dev)	__(3h)
BIO 306 (Biotech; F)	__(3h)	PSYC 341* (Abnormal; S)	__(3h)
BIO 302/303 (A&PI/lab)	__(4h)	BIO 480 (Capstone)	__(1h)
BIO 325/326 (Micro/lab; F)	__(4h)		

Restricted Electives (21 credit hours):

BIO 317 (Immunology; S)	__(3h)	PE 395** (Kinesiology)	__(3h)
BIO 330 (Nutrition; S/Su)	__(3h)	CHEM 340/341 (Org I; F)	__/_(4h)
BIO 338 (Med Bot)	__(3h)	CHEM 342/343 (Org II;S)	__/_(4h)
BIO 360 (Drugs/Brain)	__(3h)	CHEM 480 (Biochem I; S)	__(3h)
BIO 401 (Genetics/lab; S)	__(4h)	PSYC 322 (Pers. Psych)	__(3h)
BIO 423 (Pathophys)	__(3h)	PSYC 416 (Social Psych)	__(3h)
BIO 412 (Neuroscience)	__(3h)	PSYC 437* (Cognit. Psych)	__(3h)
BIO 460/461 (Mol Bio/lab; F)	__(4h)	PSYC 439* (Phys. Psych)	__(3h)
BIO 470 (Biol Chem; F)	__(3h)	PSYC 451 (Human Sexuality)	__(3h)
BIO 472 (Cell Bio; S)	__(3h)	MATH 210 (Calculus I; S)	__(4h)
BIO 479 (Intern/Research)	__(1-3h)		

General courses to reach 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 Human Biology major requires a cumulative 3.0 gpa in all math, psychology, and science 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 year; please consult with Biology advisor for sequencing.
 - F = fall term only
 - S = spring term only
 - Su = summer term
- Professional programs have different prerequisites for admission. While the advisor is present to help each student select the appropriate courses, **the student bears the responsibility to explore each professional program and determine the courses required for admission.**

*PSYC 437 and 439 will need override forms due to sequencing in BS Psychology program.

**PE 395 Kinesiology requires students to have successfully passed (C or better) BIO 302/303 Human A&P I and lab. Course requires override as pre-requisites are BIO 212 or PE 240; override will not be signed unless A&PI completed or in progress.

This major was designed for students interested in pre-occupational therapy and public health/industrial hygiene. The major may be used by students interested in medical, physician assistant, optometry, physical therapy, dental, pharmacy, or other pre-professional options BUT the student must determine the appropriate electives to meet the requirements of these other programs.