

# Bachelor of Science in Biology

## Human Biology Major Advising Worksheets<sup>\$</sup>

### 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 &amp; 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 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 (33 credit hours):

BIO 124/125 <sup>†</sup> (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 <sup>†</sup> (Precal)	___(3h)
CHEM 110/111 <sup>†</sup> (Chem I; F)	___/___(4h)	BIO 221 (Biostats; S)	___(3h)
CHEM 112/113 (Chem II; S)	___/___(4h)		

<sup>†</sup> Courses fulfill General Studies Analysis Outcome for Quantitative and Scientific blocks.

Major Specific Courses (29 credit hours):

BIO 210 (BiomedTerm)	___(3h)	BIO 343 (Vert Zoo/lab; S)	___(4h)
BIO 206 (Biol Anthro; F)	___(3h)	PSYC 252* (Lifespan Dev)	___(3h)
BIO 302/303 (A&PI/lab)	___(4h)	PSYC 341* (Abnormal; S/Su)	___(3h)
BIO 325/326 (Micro/lab; F)	___(4h)	BIO 480 (Capstone)	___(1h)
BIO 328/334 (A&PII/lab)	___(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; F)	___(3h)
BIO 401 (Genetics/lab; S)	___(4h)	PSYC 322* (Pers. Psych; S/Su)	___(3h)
BIO 423 (Pathophys)	___(3h)	PSYC 416* (Social Psych; F)	___(3h)
BIO 412 (Neuroscience)	___(3h)	PSYC 437* (Cognit. Psych; S)	___(3h)
BIO 460/461 (Mol Bio/lab; F)	___(4h)	PSYC 439* (Phys. Psych; S)	___(3h)
BIO 472 (Cell Bio; S)	___(3h)	PSYC 451 (Human Sexuality)	___(3h)
BIO 479 (Intern/Research)	___(1-3h)	MATH 210 (Calculus I; S)	___(4h)

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.
- <sup>s</sup>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.**

\*Psychology courses are offered in the following formats:

PSYC 252 Face-to-face both semesters

PSYC 341 online in spring and summer

PSYC 322 Spring and summer, face-to-face

PSYC 416 Fall, face-to-face

PSYC 437 Spring, hybrid (2 face-to-face lectures, 1 day online)

PSYC 439 Spring, hybrid (2 face-to-face lectures, 1 day online; students must pass BIO 221 prior to enrolling in PSYC 439)

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.