

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:

Critical Reading (1 Course)

ENG 200-400 Literature, any ___

Economics/Finance (1 Course)

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:

Fine Arts (1 Course)

ART 140, 340, 341, 343,
FA 101, MUS 130, 132, 133, 134
THE 100, 300 ___

Perceptions & Cultures (5 Courses)

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 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 (7 credit hours):

BIO 210 (BiomedTerm)	__(3h)
BIO 206 (Biol Anthro; F)	__(3h)
OR	
BIO 306 (Biotech; F)	__(3h)
BIO 480 (Capstone)	__(1h)

Restricted Electives (43 credit hours): Of the 43 credit hours, 31 must be BIO or CHEM 300-400 level including at least one option from the courses listed as biomedical core. No more than 6 credit hours of BIO 479 Internship/Research will count toward the restricted electives; additional BIO 479 credit hours may fulfill general course electives to reach 120 credit hours.

Biomedical Core Courses (must select at least one from this list as a Restricted Elective):

BIO 317 Immunology	__(3h)	BIO 470 Biological Chemistry	__(3h)
BIO 401 Genetics & lab	__(4h)	BIO 472 Cell Biology	__(3h)
BIO 460/461 Mol. Bio & lab	__(4h)		

Additional Restricted Electives (Biomedical core and restricted electives must total 43 credit hours with 31 as BIO or CHEM prefixes at the 300-400 level):

BIO 302/303 (A&PI/lab)	__(4h)	CHEM 340/341 (Org I; F)	__/_(4h)
BIO 317 (Immunology; S)	__(3h)	CHEM 342/343 (Org II;S)	__/_(4h)
BIO 325/326 (Micro/lab; F)	__(4h)	CHEM 480 (Biochem I; S)	__(3h)
BIO 328/334 (A&PII/lab)	__(4h)	MATH 210 (Calculus I; S)	__(4h)
BIO 330 (Nutrition; S/Su)	__(3h)	PE 395** (Kinesiology)	__(3h)
BIO 338 (Med Botany)	__(3h)	PSYC 225 Childhood/Adoles	__(3h)
BIO 343 (Vert Zoo/lab; F)	__(4h)	PSYC 252 (Lifespan Dev)	__(3h)
BIO 360 (Drugs/Brain)	__(3h)	PSYC 320 (Adult/Old Age)	__(3h)
BIO 365 Parasitology & lab	__(4h)	PSYC 322 (Pers. Psych)	__(3h)
BIO 401 (Genetics/lab; S)	__(4h)	PSYC 341 (Abnormal; S)	__(3h)
BIO 412 (Neuroscience)	__(3h)	PSYC 416 (Social Psych)	__(3h)
BIO 423 (Pathophys)	__(3h)	PSYC 437* (Cognit. Psych)	__(3h)
BIO 460/461 (Mol Bio/lab; F)	__(4h)	PSYC 439* (Phys. Psych)	__(3h)
BIO 462 Microb Pathogenesis	__(3h)	PSYC 451 (Human Sexuality)	__(3h)
BIO 465 Virology	__(3h)	PSYC 452 (Cultural Psych)	__(3h)
BIO 470 (Biol Chem; F)	__(3h)		
BIO 472 (Cell Bio; S)	__(3h)		
BIO 479 (Intern/Research)	__(1-6h)		

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 2.75 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.