Bachelor of Science in Biology

Human Biology Major Advising Worksheets$

**General Studies for B.S. degree:**

Communication Outcome (9 credit hours)

3 courses, grade of C or better required

ENG 101 \_\_

ENG 102 \_\_

COM 101 \_\_

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) Economics/Finance (1 Course)

ENG 200-400 Literature, any \_\_ ECON 103 OR FIN 131 \_\_

Logic/Critical Assessment (1 Course)

PSYC 101\* OR PHIL 100-400, any \_\_

Self and Cultural Awareness Outcome (17-18 credit hours)

Students must take courses from each awareness block as directed:

Fine Arts (1 Course) Perceptions & Cultures (4 Courses)

ART 140, 340, 341, 343, 3 Courses from different groups

FA 101, MUS 130, 132, 133, GEO 205, 206 \_\_

THE 100, 300 \_\_ POLS 101, 201 \_\_

SOC 150\*, SWK 201 \_\_

Health and Wellness (1 Course) REL, SPAN, FREN, SPA 252 \_\_

HE 250, 253 \_\_

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 (30 credit hours):

BIO 124/125ŧ (Prin Bio/lab) \_\_/\_\_(4h) PHYS 101/110 (Phys I; F)\_\_/\_\_(4h)

BIO 202/203 (Zoology/lab) \_\_/\_\_(4h) PHYS 102/111 (Phys II; S)\_\_/\_\_(4h)

CHEM 110/111ŧ (Chem I; F) \_\_/\_\_(4h) MATH 145ŧ (Precal) \_\_(3h)

CHEM 112/113 (Chem II; S) \_\_/\_\_(4h) BIO 221 (Biostats; S) \_\_(3h)

ŧCoursesfulfill 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 (24 credit hours):

BIO 317 (Immunology; S) \_\_(3h) CHEM 340/341 (Org I; F) \_\_/\_\_(4h)

BIO 401 (Genetics/lab; S) \_\_(4h) CHEM 342/343 (Org II;S) \_\_/\_\_(4h)

BIO 423 (Pathophys) \_\_(3h) CHEM 480 (Biochem I; F) \_\_(3h)

BIO 412 (Neuroscience) \_\_(3h) PSYC 322\* (Pers. Psych; S/Su)\_\_(3h)

BIO 460/461 (Mol Bio/lab; F) \_\_(4h) PSYC 416\* (Social Psych; F) \_\_(3h)

BIO 472 (Cell Bio; S) \_\_(3h) PSYC 437\* (Cognit. Psych; S) \_\_(3h)

BIO 479 (Intern/Research) \_\_(1-3h) PSYC 439\* (Phys. Psych; S) \_\_(3h)

PE 395\*\* (Kinesiology) \_\_(3h) MATH 210 (Calculus I; S) \_\_(4h)

Total credit hours = 120

* 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.**

\*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.