

# Bachelor of Science in Biology

## Human Biology/MSPAS 3+2 Major Advising Worksheet<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                      —/ —

OR

ENG 103                                              —

COM 101                                              —

(required for all students)

#### 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,

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                                                        —

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/MSPAS 3+2 Major:

#### Core Courses (30 credit hours):

BIO 124/125<sup>†</sup> (Prin Bio/lab)                      —/ —(4h)

BIO 202/203<sup>^</sup> (Zoology/lab)                      —/ —(4h)

CHEM 110/111<sup>†</sup> (Chem I; F)                      —/ —(4h)

CHEM 112/113 (Chem II; S)                      —/ —(4h)

PHYS 101/110 (Phys I; F)                                              —/ —(4h)

PHYS 102/111 (Phys II; S)                                              —/ —(4h)

MATH 145<sup>†</sup> (Precal)                                              —(3h)

BIO 221 (Biostats; S)                                              —(3h)

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

<sup>^</sup> Require minimum grade of B

Major Specific Courses (40 credit hours):

BIO 208 (Founds Cell & Molec)	__(3h)	BIO 401 (Genetics/lab; S)	__(4h)
BIO 210 (BiomedTerm)	__(3h)	BIO 460/461 (Mol Bio/lab; F)	__(4h)
BIO 302/303 (A&PI/lab)	__(4h)	CHEM 340/341 (Org I; F)	__/_ (4h)
BIO 317 (Immunology; S)	__(3h)	PSYC 252* (Lifespan Dev)	__(3h)
BIO 325/326 (Micro/lab; F)	__(4h)	BIO 479**(Intern/Research)	__(3h)
BIO 328/334 (A&PII/lab)	__(4h)	BIO 480 (Capstone)	__(1h)

- 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/MSPAS 3+2 major requires a cumulative 3.5 GPA in all math, psychology, and science courses with at least a "C" in each course within the program.
- All courses listed must be completed in the first three years of study.
  - BIO 124/125 and BIO 202/203 (or two semesters of approved biology courses) must be completed in the first year of undergraduate study; minimum grade of B.
  - CHEM110/111 and CHEM 112/113 (or two semesters of approved chemistry courses) must be completed in the first year of undergraduate study; minimum grade of B.
  - MATH 145 or its equivalent must be completed by the end of the first year of study; minimum grade of B.
  - BIO 479 must be completed in 1 credit hour increments as delineated below.
- Twenty-five hours of community service must be completed prior to the end of the third year of undergraduate study.
- Students will receive 13 credit hours of undergraduate biology-specific courses waived in lieu of MSPAS coursework successfully completed in the first two terms of the graduate degree program.
- Award of BS Biology will occur after successful completion of first two terms of graduate degree 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. Course rotation may change from that noted.
  - 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/hybrid both semesters

PSYC 341 online in spring and summer

\*\*BIO 479 Internship/Shadowing must be completed as three 1 credit hour blocks applied to fall second year, spring second year, and fall third year. Shadowing should be at least 50% Physician Assistant and must include at least 3 health professionals in different fields including PA. Shadowing is not provided by nor arranged by the WLU MSPAS program.

This major was designed for high-performing students planning on entering the WLU MSPAS program. The major is intensive and rigorous while reducing the length of study by 1 year.

Process:

1. Interview and application at end of freshman year of undergraduate study for the 3+2 major
  - a. Application due on April 15 (end of first year of study)
  - b. Must have 3.5GPA overall and in science at time of application and meet curricular requirements outlined on advising sheet
  - c. The interview will create a pool of eligible applicants to continue within the major option. The interview will be done by Biology faculty with a PA faculty representative prior to the end of the spring semester, first year of undergraduate study
  - d. Students will be notified of decision after final grades are posted for the first year of undergraduate study
2. During the second semester of sophomore year eligible applicants will request a letter of recommendation from the Biology Faculty Committee which will be utilized in the interview process at the end of sophomore year with the PA faculty to determine the 2 students to be provisionally accepted into the PA program through the major.
  - a. A maximum of 2 students per year will be accepted into the junior year of the 3+2 major (provisional acceptance into the PA program)
  - b. Acceptance into the third year of the 3+2 major does NOT guarantee admission to the WLU MSPAS as other requirements must still be met
  - c. CASPA application by the provisionally accepted students will be required Summer prior to third year of undergraduate study
  - d. After the third year of undergraduate study, the provisionally accepted students will be reviewed for successful completion of remaining prerequisites
  - e. Those students not accepted provisionally may complete the full Human Biology major and apply traditionally to the WLU MSPAS program following the normal timeframe; not gaining early acceptance status does not imply the student will not be admitted on a normal timeframe to the MSPAS program
  - f. If a provisionally accepted student fails to successfully complete the remaining prerequisites for early entrance to the WLU MSPAS program, they may complete the full Human Biology major and apply on the traditional timeframe; failure to complete prerequisites in the early acceptance major option does not imply the student will not be admitted on the normal timeframe
  - g. Students who ultimately apply following the normal timeframe for admission must meet all requirements as designated by the WLU MSPAS program; completion of the full Human Biology major at WLU does not guarantee admission to the WLU MSPAS program