



# Tennessee Wesleyan UNIVERSITY

## Biology: Pre-Professional Emphasis

Name: \_\_\_\_\_

Entry Year: \_\_\_\_\_

Transfer Hrs. \_\_\_\_\_

Intent Filed: \_\_\_\_\_

### Wesleyan Essentials (39 s.h.)

### Major (71-76 s.h.)

Written Word

ENG 101 (3) \_\_\_\_\_

ENG 102 (3) \_\_\_\_\_

Spoken Word (6 s.h. total)

Foreign Language I and II or

ENG 322, ENG 321, (3) \_\_\_\_\_

BUS 315, or SPE 101 (3) \_\_\_\_\_

Artist's Expression<sup>1</sup> (6s.h. total) *Choose two from*

Art, Communication, Literature, (3) \_\_\_\_\_

Music, Theater, or FRE 304 (3) \_\_\_\_\_

Western Heritage<sup>2</sup> (9 s.h. total)

Religion (3) \_\_\_\_\_

History or Philosophy (3) \_\_\_\_\_

Religion, History, or Philosophy (3) \_\_\_\_\_

Cultural Diversity<sup>1</sup> (6 s.h. total) *Choose two from*

Art, History, Literature,

Music, Religion, Theater, (3) \_\_\_\_\_

FRE 305, or SPA 304 (3) \_\_\_\_\_

Scientific Perspective

*Requirements are satisfied in the major.*

Societal Perspective<sup>1</sup> (6 s.h. total) *Choose two from*

Criminal Justice, Economics

Political Science, Psychology (3) \_\_\_\_\_

Sociology (3) \_\_\_\_\_

TWU 101 Freshman Orientation I<sup>3</sup> (2) \_\_\_\_\_

TWU 102 Freshman Orientation I<sup>3</sup> (1) \_\_\_\_\_

BIO 180, 181 General Biology I (4) \_\_\_\_\_

BIO 182, 183 General Biology II (4) \_\_\_\_\_

*Choose two from (8 s.h. total)*

BIO 230, 231 General Botany

BIO 236, 237 General Zoology (4) \_\_\_\_\_

BIO 264, 265 General Microbio 1 (4) \_\_\_\_\_

BIO 276, 277 Principles of Genetics (4) \_\_\_\_\_

BIO 280 Seminar Pre-professional Stud. (1) \_\_\_\_\_

BIO 360, 361 Principles of Ecology (4) \_\_\_\_\_

BIO 450 Evolutionary Biology (3) \_\_\_\_\_

BIO 460, 461 Advanced Cell Biology

or BIO 464, 465 Molecular Biology (4) \_\_\_\_\_

BIO 481 Seminar in Biology I (1) \_\_\_\_\_

BIO 482 Seminar in Biology II (2) \_\_\_\_\_

Natural Science Elective 300-400 (2-5) \_\_\_\_\_

*Choose two from (8 s.h. total)*

BIO 382, 383 Vertebrate Anatomy & Development

BIO 410, 411 Plant Physiology (4) \_\_\_\_\_

BIO 472, 473 Animal Physiology (4) \_\_\_\_\_

CHE 150, 151 General Chemistry I (4) \_\_\_\_\_

CHE 152, 153 General Chemistry II (4) \_\_\_\_\_

CHE 220, 221 Organic Chemistry I (4) \_\_\_\_\_

CHE 222, 223 Organic Chemistry II (4) \_\_\_\_\_

CHE 362, 363 Biochemistry (4) \_\_\_\_\_

PHY 232, 233 General Physics I and

and PHY 234, 235 General Physics II

or PHY 262, 263 University Physics I (4) \_\_\_\_\_

and PHY 264, 265 Univ. Physics II (4) \_\_\_\_\_

MAT 141 Precalculus I (3) \_\_\_\_\_

and MAT 142 Precalculus II (3) \_\_\_\_\_

or MAT 181 Calculus I (4) \_\_\_\_\_

### NOTICE:

Semester Hours required for Degree:120; 60 Hours MUST be from a four year institution, 30 being done at TWC.

<sup>1</sup>Students must complete courses from two separate disciplines.

<sup>2</sup>Students must complete at least one religion course and a History or Philosophy course.

<sup>3</sup>Required of all new Freshman and transfer students with fewer than 15 semester hours