

Pre-PA/PT Certificate Series

1. Pre-PA/PT Core Courses Post-Baccalaureate Certificate

- a. **Description:** The Pre-PA/PT Core Courses Post-Baccalaureate Certificate at West Liberty University is one in a series of three certificate programs (Core Courses, Biology Prerequisites, and General Prerequisites) intended for individuals wishing to prepare for a career change to Physician Assistant, Physical Therapist, or other 2 to 2.5 year professional health programs. The series of three certificates can be completed over four semesters of study. The Pre-PA/PT Core Courses Post-Baccalaureate Certificate focuses on entry-level courses in preparation for upper-level coursework required by many Physician Assistant and Physical Therapy programs.

Applicants must already hold a BA or BS in any field from an accredited 4-year institution of higher education. Professional programs often have a time limit for prerequisite coursework; if courses from the applicant's prior degree exceed the time limit, those courses can be added into the post-bacc curriculum. The applicant is responsible for determining the time limit on prerequisite coursework.

b. Required Courses

- i. BIO 124/125 Biological Principles + lab (4h)
- ii. BIO 208 Foundational Cell & Molecular Biology (3h)
- iii. BIO 210 Biomed Term (3h)
- iv. BIO 221 Biostats (3h)
- v. CHEM 110/111 General Chemistry I and lab (4h)
- vi. CHEM 112/113 General Chemistry II and lab (4h)

c. Total hours: 21

2. Pre-PA/PT Biology Prerequisites Post-Baccalaureate Certificate

- a. **Description:** The Pre-PA/PT Biology Prerequisites Post-Baccalaureate Certificate at West Liberty University is one in a series of three certificate programs (Core Courses, Biology Prerequisites, and General Prerequisites) intended for individuals wishing to prepare for a career change to Physician Assistant, Physical Therapist, or other 2 to 2.5 year professional health programs. The series of three certificates can be completed over four semesters of study. The Pre-PA/PT Biology Prerequisites Post-Baccalaureate Certificate focuses on upper-level biology courses required by many Physician Assistant and Physical Therapy programs.

Applicants must already hold a BA or BS in any field from an accredited 4-year institution of higher education. Professional programs often have a time limit for prerequisite coursework; if courses from the applicant's prior degree exceed the time limit, those courses can be added into the post-bacc curriculum. The applicant is responsible for determining the time limit on prerequisite coursework.

b. Required Courses:

- i. BIO 302/303 Human A&P 1 and lab (4h)
- ii. BIO 325/326 General Microbiology + lab (4h)
- iii. BIO 328/334 Human A&P II and lab (4h)

c. Restricted Electives (Choose a minimum of 7 credit hours)

- i. BIO 301 Writing in Biol. Sci (3h)
- ii. BIO 317 Immunology (3h)

- iii. BIO 350 Developmental Bio (3h)
- iv. BIO 356 Parasitology (4h)
- v. BIO 401 Genetics (4h)
- vi. BIO 413 Kaplan Test Prep (1h)
- vii. BIO 423 Pathophysiology (3h)
- viii. BIO 432 Histology and lab (4h)
- ix. BIO 434 Endocrinology (3h)
- x. BIO 458 Repro Physiol (3h)
- xi. BIO 460/461 Molecular bio and lab (4h)
- xii. BIO 462 Microbial Path (3h)
- xiii. BIO 465 Virology (3h)
- xiv. BIO 472 Cell Biology (3h)

d. Total hours: 19

3. Pre-PA/PT General Prerequisites Post-Baccalaureate Certificate

- a. Description: The Pre-PA/PT General Prerequisites Post-Baccalaureate Certificate at West Liberty University is one in a series of three certificate programs (Core Courses, Biology Prerequisites, and General Prerequisites) intended for individuals wishing to prepare for a career change to Physician Assistant, Physical Therapist, or other 2 to 2.5 year professional health programs. The series of three certificates can be completed over four semesters of study. The Pre-PA/PT General Prerequisites Post-Baccalaureate Certificate focuses on math, chemistry, and psychology courses required by many Physician Assistant and Physical Therapy programs.

Applicants must already hold a BA or BS in any field from an accredited 4-year institution of higher education. Professional programs often have a time limit for prerequisite coursework; if courses from the applicant's prior degree exceed the time limit, those courses can be added into the post-bacc curriculum. The applicant is responsible for determining the time limit on prerequisite coursework.

b. Required Courses

- i. CHEM 340/341 Organic Chemistry I and lab (4h)
- ii. PSYC 101 Intro to Psychology (3h)
- iii. Choose either MATH 130 or MATH 145 (4-5h)
- iv. Choose either PSYC 323 Developmental Psychology OR PSYC 341 Psychotherapy and Mental Health (3h)

c. Restricted Electives (Choose a minimum of 4 credit hours)

- i. BIO 301 Writing in Biol. Sci (3h)
- ii. BIO 317 Immunology (3h)
- iii. BIO 350 Developmental Biol (3h)
- iv. BIO 356 Parasitology (4h)
- v. BIO 401 Genetics (4h)
- vi. BIO 413 Kaplan Test Prep (1h)
- vii. BIO 423 Pathophysiology (3h)
- viii. BIO 432 Histology & lab (4h)
- ix. BIO 434 Endocrinology (3h)
- x. BIO 458 Reproductive Physiol (3h)

- xi. BIO 460/461 Molecular Bio (4h)
- xii. BIO 462 Microbial Path (3h)
- xiii. BIO 465 Virology (3h)
- xiv. BIO 472 Cell Biology (3h)
- xv. CHEM 342/343 Organic Chemistry II and lab (4h)
- xvi. MATH 210 Calculus I (4h)

d. Total hours: 18

All 3 Pre-PA/PT Certificates = 58h