



Springfield College Sequencing Guide Health Science – Pre-physician Assistant Undergraduate Major (HSPA) ▼ 2026-2027

Requirements are subject to change and may not be offered when listed. Use your online degree audit to verify your progress with your advisor.

Core Curriculum Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following Core Curriculum categories:

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| <ul style="list-style-type: none"> • 100-level Wellness & Physical (1 cr) • 200-level Wellness & Physical (1 cr) • 300-level Wellness & Physical (1 cr) | <ul style="list-style-type: none"> • Literature (3 cr) | <ul style="list-style-type: none"> • Aesthetic Expression (3 cr) • Historical and Social (3 cr) | <ul style="list-style-type: none"> • Themed Explorations (9 cr) <ul style="list-style-type: none"> ➢ 3 different prefixes ➢ 1 Global course |
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This major typically requires 79-82 credits to complete. In addition to the Core Curriculum and major requirements listed, you must complete:

- **3.5 to 5.5 elective credits or more** to total at least 120 credits
- The **residency requirement**—45 credits taken at Springfield College (including 15 of your last 30)

HSPA Major Requirements – Typical First-Year Schedule

Fall: SCSM 101, Springfield College Seminar (Core requirement – 3 cr) ENGL 113, College Writing I (Core requirement – 3 cr) BIOL 121, Introductory Molecular and Cellular Biology (3 cr – also fills Scientific Reasoning Core) BIOL 123, Introduction to Bench Research (1 cr – also fills Scientific Reasoning Core) CHEM 121, General Chemistry I (3 cr) CHEM 123, General Chemistry I Laboratory (1 cr)	Spring: ENGL 114, College Writing II (Core requirement – 3 cr) BIOL 175, Molecular and Cellular Biology (3 cr) CHEM 122, General Chemistry II (3 cr) CHEM 124, General Chemistry II Laboratory (1 cr)
Fall or Spring: HSCI 101, Introduction to Health Care (3 cr) MATH 125, Precalculus Mathematics (3 cr – also fills Quantitative Reasoning Core; or MATH 140 is also an option) Plus major requirements, Core, or electives to total at least 31 credits for the year	

HSPA Major Requirements – Typical Second-Year Schedule

Fall: BIOL 250, Human Anatomy and Physiology I (3 cr) BIOL 252, Human Anatomy and Physiology I Laboratory (1 cr) CHEM 221, Organic Chemistry I (3 cr) CHEM 223, Organic Chemistry I Laboratory (1 cr) PAST 101, PA Seminar I - PA as a Profession (1 cr) *** Interview with PA Program Admissions Committee***	Spring: BIOL 251, Human Anatomy and Physiology II (3 cr) BIOL 253, Human Anatomy and Physiology II Laboratory (1 cr) CHEM 222, Organic Chemistry II (3 cr) CHEM 224, Organic Chemistry II Laboratory (1 cr)
Fall or Spring: HSCI 101, Introduction to Health Care (3 cr) MATH 125, Precalculus Mathematics (3 cr – also fills Quantitative Reasoning Core; or MATH 140 is also an option) Plus major requirements, Core, or electives to total at least 31 credits for the year	

HSPA Major Requirements – Typical Third-Year Schedule

Fall:

CHEM 331, Biological Chemistry (3 cr)
 PAST 201, PA Seminar II – Understanding the Differences in Patient Populations (1 cr)
 HSCI 201, Intro to Health Care Ethics (3 cr – also fills Spiritual Ethical Core)

One of the following:

HSCI 225, Biostatistics (3 cr)
 MATH 215, Probability and Statistics (3 cr)
 PSYC 211, Introduction to Statistics (3 cr)

Plus major requirements, Core, or electives to total 16-18 credits

Spring:

BIOL 214, Introduction to Medical Microbiology (3 cr)

Plus major requirements or Core to total at least 28 credits for the year

Fall and/or Spring:

Plus 1-2 HSPA selectives (3-8 cr) from the Flexible Timing list below.

HSPA Major Requirements – Typical Fourth-Year Schedule

Fall:

PAST 301, PA Seminar III – Introduction to Medicine (2 cr)
 AEXS 561, Electrocardiogram Interpretation and Graded Exercise Testing (3cr)

Plus any outstanding major requirements, Core, or electives to earn a minimum of 106 credits by the end of the semester.

Spring:

BIOL 376, Medical Genetics (3 cr)
 PAST 501, Evidence-Based Medicine I (3cr)
 PAST 502, Evidence-Based Medical Writing (3 cr)
 PAST 515, Clinical Human Anatomy and Physiology I (2 cr)
 PAST 540, Ethical and Professional Issues in PA Practice (3 cr)

Additional HSPA Major Requirements – Flexible Timing

You must complete **three** of the following courses (with labs, if applicable):

AEXS 313 - Physiology of Exercise Credits: (3 cr)
 AEXS 315 - Physiology of Exercise Lab Credits: (0 cr)
 AEXS 319 - Kinesiology/Biomechanics Credits: (3 cr)
 AEXS 321 - Kinesiology/Biomechanics Lab Credits: (0 cr)
 AEXS 540 - Sports Nutrition Credits: (3 cr)
 BIOL 311, Human Histology (3 cr) **and** BIOL 312, Human Histology Laboratory (1 cr)
 BIOL 315, General Microbiology (3 cr)
 BIOL 316, Virology and Immunology (3 cr – also fills a WAC requirement)
 BIOL 317, General Microbiology Lab (1 cr)
 BIOL 320, International Tropical Field Research (4 cr)
 BIOL 330, Basis of Disease (3 cr)
 BIOL 332, Basis of Disease Lab (1cr)
 BIOL 408, Research Methods (3 cr) **and** BIOL 409, Research Methods Laboratory (1 cr)
 BIOL 420, Cellular Physiology (3 cr – also fills a WAC requirement) **and** BIOL 421, Cellular Physiology Laboratory (1 cr)
 CHEM 321, Organic Reactions and Mechanisms (3 cr)
 HSCI 240 - Principles of Epidemiology Credits: (3 cr)
 HSCI 260 - Human Disease/Chronic Illness Credits: (3 cr)
 NUSC 250, Nutritional Assessment (3 cr)
 NUSC 261, Introduction to Nutrition (3 cr)
 NUSC 300, Advanced Nutrition and Metabolism (3 cr)
 NUSC 361, Applied Nutrition (3 cr)
 PHYS 210, General Physics I (4 cr)
 PHYS 211, General Physics II (4 cr)
 PHYS 310 - Physics I with Calculus Credits: (4 cr)

HSPA Major – Program Standards

Program standards for the HSPA major include, but are not limited to:

- Maintain a minimum cumulative GPA of 3.000
- Maintain a minimum cumulative GPA of 3.00 in all program prerequisites (preprofessional requirements)
- Earn a B- or better in all courses required for the program that are 400-level or below. Earn a B or better for all courses required for the graduate program (Spring senior year)
- Comply with all technical and departmental standards for professional conduct and academic performance as specified in the *Physician Assistant Student Handbook*
- For more information about these and other program standards, contact you advisor or the HSPA program coordinator

Following successful completion of the 4th year, students continue with requirements for the Physician Assistant graduate program.