



# Springfield College Sequencing Guide Health Science – Pre-physician Assistant Undergraduate Major (HSPA) ▼ 2020-2021

If you entered in 2020-2021, use this as a guide for sequencing your courses. Requirements are subject to change and may not be offered when listed. Use your online degree audit to verify your progress, and always confirm your plans with your advisor.

## GenEd Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following General Education (GenEd) categories:

- WLPL 100, Exploring Movement & Wellness (1 cr)
- 200-level Wellness & Physical (1 cr)
- 300-level Wellness & Physical (1 cr)
- Literary Studies (3 cr)
- Spiritual and Ethical (3 cr)
- Aesthetic Expression (3 cr)
- Historical and Social (3 cr)
- Themed Explorations (9 cr)

This major typically requires 75.5 to 78.5 credits to complete. In addition to the GenEd and major requirements listed, you must complete:

- **8.5 to 11.5 elective credits or more** (depending on GenEds selected) 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 (GenEd requirement – 3 cr)  
 ENGL 113, College Writing I (GenEd requirement – 3 cr)  
 BIOL 121, Bioscience I (3 cr – also fills Natural Sciences GenEd)  
 BIOL 123, Bioscience I Laboratory (1 cr – also fills Natural Sciences GenEd)  
 CHEM 121, General Chemistry I (3 cr)  
 CHEM 123, General Chemistry I Laboratory (1 cr)  
 EMSM 115, Emergency Medical Technician – Part I (4 cr)

**Spring:**

ENGL 114, College Writing II (GenEd requirement – 3 cr)  
 BIOL 122, Bioscience II (3 cr)  
 BIOL 124, Bioscience II Laboratory (1 cr)  
 CHEM 122, General Chemistry II (3 cr)  
 CHEM 124, General Chemistry II Laboratory (1 cr)  
 EMSM 114, CPR, Health Care Provider (.5 cr)  
 EMSM 116, Emergency Medical Technician – Part II (4 cr)

### 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 102, PA Seminar II (1 cr)

**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:**

MATH 125, Precalculus Mathematics (3 cr – also fills Quantitative Reasoning GenEd; or MATH 131 or MATH 140 are also options)  
 Plus major requirements with flexible timing, GenEds, or electives to total at least 32 credits for the year

### HSPA Major Requirements – Typical Third-Year Schedule

**Fall:**

CHEM 331, Biological Chemistry (3 cr)  
 PAST 221, PA Seminar III (1 cr)  
 Plus major requirements with flexible timing, GenEds, or electives to total 16-18 credits

**Spring:**

BIOL 214, Introduction to Medical Microbiology (3 cr)  
 Plus major requirements with flexible timing or GenEds to total at least 32 credits for the year

### HSPA Major Requirements – Typical Fourth-Year Schedule

**Fall:**

PAST 222, PA Seminar IV (1 cr)  
AEXS 561, Electrocardiogram Interpretation and Graded Exercise Testing (3 cr)

**One** of the following:

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

Plus any outstanding major requirements (see flexible timing section below), GenEds, or electives to total 112 credits.

**Spring:**

BIOL 376, Medical Genetics (3 cr)  
PAST 515, Clinical Human Anatomy and Physiology I (2 cr)  
PAST 540, Ethical and Professional Issues in PA Practice (3 cr)  
RSCH 610, Foundations and Methods of Research (3 cr)  
RSCH 620, Educational and Psychological Statistics I (3 cr)

*Be sure you have included enough elective credits by December of your 4<sup>th</sup> year to total 112 credits. BIOL 376, PAST 515, and PAST 540 (which you will take in the Spring) will be added to those 112 credits to total the 120 credits needed to complete your Bachelor's degree.*

*\*RSCH 610 and 620 – Also taken in the Spring – will be recorded on your graduate transcript and can NOT be included as part of your 120 undergraduate credits.*

### Additional HSPA Major Requirements – Flexible Timing

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

BIOL 310, Evolution (3 cr)  
BIOL 311, Human Histology (3 cr) **and** BIOL 312, Human Histology Laboratory (1 cr)  
BIOL 316, Virology and Immunology (3 cr – also fills a WAC requirement)  
BIOL 341, Developmental Biology (3 cr)  
BIOL 408, Research Methods in Cell Biology (3 cr) **and** BIOL 409, Research Methods in Cell Biology 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)  
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)

### 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 3.000 in all program prerequisites (preprofessional requirements)
- Earn a C+ 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 program that are 500-level or above
- 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 your advisor or the HSPA program coordinator

*Following successful completion of the 4<sup>th</sup> year, students continue with requirements for the Physician Assistant graduate program.*