



Springfield College Sequencing Guide Health Science – Pre-physician Assistant Undergraduate Major (HSPA) ▼ 2019-2020

If you entered in 2019-2020, 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:

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|----------------------------|------------------------------|-------------------------------|---|
| • Wellness - HLTH 100 | • Visual and Performing Arts | • Behavioral/Social Sciences | • Physical Activity |
| • Computing and Technology | • Spiritual and Ethical | • International/Multicultural | • 6 cr of Writing Across Curriculum courses |
| • Literary Studies | • Historical/Cultural | • Social Justice | |

This major typically requires 73.5 to 76.5 credits to complete. In addition to the GenEd and major requirements listed, you must complete:

- **4.5 to 7.5 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:

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)
 PAST 101, PA Seminar I (1 cr)
 EMSM 114, CPR, Health Care Provider (.5 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 116, Emergency Medical Technician – Part II (4 cr)
 1 credit of Physical Activity GenEd courses

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)
 1 credit of Physical Activity GenEd courses

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)
 1 credit of Physical Activity GenEd courses

Fall or Spring:

MATH 125, Precalculus Mathematics (3 cr – also fills Quantitative Reasoning GenEd; 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 325, 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 4th 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 4th year, students continue with requirements for the Physician Assistant graduate program.



Springfield College Master of Science – Physician Assistant Studies

Projected Curriculum for Undergraduate HSPA Majors Who Begin at SC in 2019 and Continue in the PHYA Master’s Program

Requirements are subject to change and may not be sequenced as listed.

Physician Assistant Studies – MS Degree, 4th Undergraduate Year/1st Professional Year		
<p>Fall: <i>Undergraduate courses – see previous page</i></p>	<p>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)</p> <p style="text-align: center;"><i>Term total 14 credits – 8 UG credits and 6 GR credits (*BIOL 376, PAST 515, and PAST 540 are recorded on your undergraduate transcript)</i></p>	<p>Summer: PAST 512, History Taking and Physical Assessment I (4 cr) PAST 513, Mental Health Issues in Primary Care (3 cr) PAST 523, Pharmacology I (2 cr) PAST 524, Clinical Medicine I (6 cr) RSCH 612, Proposal Design (2 cr)</p> <p style="text-align: right;"><i>Term total 17 credits</i></p>

Physician Assistant Studies – MS Degree, 2nd Professional Year	
<p>Fall: PAST 521, Applied Clinical Skills I (2 cr) PAST 522, History Taking and Physical Assessment II (4 cr) PAST 525, Clinical Human Anatomy and Physiology II (2 cr) PAST 533, Pharmacology II (2 cr) PAST 534, Clinical Medicine II (6 cr)</p> <p style="text-align: center;"><i>Term total 16 credits</i></p>	<p>Spring: EMSM 251, Advanced Cardiac Life Support (1 cr) PAST 531, Applied Clinical Skills II (2 cr) PAST 532, History Taking and Physical Assessment III (4 cr) PAST 543, Pharmacology III (2 cr) PAST 544, Clinical Medicine III (6 cr)</p> <p style="text-align: center;"><i>Term total 15 credits</i></p>

Physician Assistant Studies – MS Degree, Clinical Year		
<p>Summer: PAST 626, PA Research Project (3 cr) PAST 640, PA Seminar VIII (1 cr) PAST 672, Family Medicine (6 cr) PAST 673, General Surgery (6 cr)</p> <p style="text-align: center;"><i>Term total 16 credits</i></p>	<p>Fall: PAST 650, PA Seminar IX (1 cr) PAST 674, Emergency Medicine (6 cr) PAST 675, Obstetrics and Gynecology (6 cr) PAST 676, General Pediatrics (6 cr)</p> <p style="text-align: center;"><i>Term total 19 credits</i></p>	<p>Fall: PAST 660, PA Seminar X (1 cr) PAST 671, Inpatient Medicine (6 cr) PAST 677, Psychiatry (6 cr) PAST 680, Preceptorship (6 cr)</p> <p style="text-align: center;"><i>Term total 19 credits</i></p>