

# Health Sciences (B.S.)

## Degree Type

Bachelor's

The Bachelor of Science degree in Health Sciences at Russell Sage College prepares you with courses in culture and health, wellness, and medical ethics with a strong foundation in the necessary scientific knowledge, research, and laboratory skills. Students interested in completing an internship experience ([HSC 327](#)) consult with the HSC Program Director for assistance and final approval. Students may select to complete a concentration in exercise science (optional). [63-65 credits]

## Core Requirements

- Complete *all* of the following:

Item #	Title	Credits
HSC 204	Introduction to Health Professions	2
HSC 215	Health/Wellness Across Lifespan	3
HSC 306	Culture and Health	3
HSC 450	Research Methods for the Health Sciences	3
HUM 420	Medical Ethics	3
BIO 101	General Biology I	4
BIO 102	General Biology II	4
BIO 201	Anatomy and Physiology I	4
BIO 202	Anatomy and Physiology II	4
PHY 101	General Physics I	3
PHY 101L	General Physics I Lab	1
PSY 101	Introduction to Psychology	3
	PSY Lifespan Development (PSY 202 or PSY 208)	3-4
SCI 110	Medical Terminology	3
SCI 120	Nutrition Science	3
SCI 240	Pathology and Prevention Injury	3
SCI 310	Exercise Physiology	4
	Statistics: MAT 220 or PSY 207	4

## Capstone

- Complete *one* of the following:

Item #	Title	Credits
BIO 401	Research Project	3
BIO 450	Seminar in Biology	3

## Natural and Applied Sciences Electives

- Complete one course from the following:

Item #	Title	Credits
BIO 207	Fundamentals of Genetics	3
BIO 208	Microbiology	4
BIO 220	Cell Biology	4
BIO 350	New Emerging Diseases	3
BIO 484	Neurobiology	3
CHM 103	Introduction to General Chemistry	4
CHM 104	Introduction to Organic & Biochemistry	4
HSC 301	Pharmacology	3
PHY 102	General Physics II	3
SCI 235	Sports Nutrition	3
SCI 242	Orthopedic Evaluation	3
SCI 306	Kinesiology	4
PED 355	Motor Learning	3

## Linked Programs

Accelerated tracks are available for the Occupational Therapy (M.S.) and Physical Therapy (D.P.T) programs. Students in 4+2 or 4+3 linked programs complete the undergraduate Health Sciences degree before moving on to physical or occupational therapy graduate coursework. More information on graduate degree requirements can be found in the Russell Sage College [Graduate Catalog](#).

### Accelerated

[Occupational Therapy 3+2 \(B.A./B.S. and M.S.\)](#)

[Physical Therapy 3+3 \(B.A./B.S. and D.P.T.\)](#)

### Linked

[Occupational Therapy 4+2 \(B.A./B.S. to M.S.\)](#)

[Physical Therapy 4+3 \(BA/BS to D.P.T.\)](#)

## Concentration in Exercise Science

Complete the following:

Item #	Title	Credits
HSC 415	Exercise Rx - Health & Disease	4
SCI 235	Sports Nutrition	3
SCI 306	Kinesiology	4
PED 350	Sport Psychology	3
	Exercise Science Selection	3

# Academic Standards

In order to graduate with a B.S. in Health Sciences students are required to earn a cumulative GPA of 2.000 and a major GPA of 2.750. Students who are not able to meet the 2.750 major GPA requirement may be prevented from progressing in the Health Sciences program and may be advised to select an alternative major at the College.

Health Sciences students enrolled in **linked programs** with graduate degrees in **Occupational Therapy (M.S.)** or **Physical Therapy (D.P.T.)** are required to maintain higher cumulative & science GPA standards. Students should consult with their faculty advisor(s) and the catalog pages outlining OT and PT degree requirements for more information about these standards.

## Degree Completion Notes

- Total credits required for bachelor's degree (minimum): 120 credits
- Cumulative GPA required for graduation (minimum): 2.000
- Major GPA required for graduation (minimum): 2.750
- 1/2 of major requirements must be completed at Sage (minimum)
- Completion of all required **General Education** coursework

# Suggested Program of Study

The following is a general course plan for the Health Sciences major without a particular concentration. Check all course descriptions for prerequisites before planning your course schedule. Other course sequences are possible. Consult your faculty advisor or the Health Sciences Program Director.

The suggested course sequencing plans for Health Sciences to the DPT program (3+3 & 4+3), Health Sciences to the MS in OT program (3+2 & 4+2), or Health Sciences with Exercise Science concentration can be obtained from a student's faculty advisor in Health Sciences or the Academic Advising office.

- Year 1 - Fall: 16 credits
  - WRT 101
  - HSC 215
  - PSY 101
  - BIO 101/BIO 101L (or CHM 103/103L - PT track)
  - RSC 101
- Year 1 - Spring: 15 credits
  - WRT 201
  - HSC 204
  - BIO 102/BIO 102L (or CHM 104/104L - PT track)
  - SCI 110
  - Elective
- Year 2 - Fall: 14 credits
  - BIO 201/BIO 201L
  - MAT 220 or PSY 207
  - SCI 120
  - RSC 201
- Year 2 - Spring: 13 - 14 credits
  - BIO 202/BIO 202L
  - PSY 202 or PSY 208
  - SCI 240/SCI 240L
  - General Education Course
- Year 3 - Fall: 16 credits
  - SCI 310 and SCI 310L
  - RSC 301
  - HSC 306
  - General Education Course
  - Elective
- Year 3 - Spring: 16 credits
  - Natural and Appl Sci Elective Course
  - General Education Course
  - HUM 420
  - Elective
  - Elective

- Year 4 - Fall: 15 credits
  - PHY 101 and PHY 101L
  - HSC 450
  - Elective
  - Elective
  - Elective
  
- Year 4 - Spring: 15 credits
  - BIO 401 or BIO 450
  - Elective
  - Elective
  - Elective
  - Elective

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Total Credits

63-65