

# Health Sciences: General Health Sciences

## Bachelor of Science (BS)

# General Health Sciences Option

The General Health Sciences Option to the Health Sciences degree is designed for those who wish to work in a medical science capacity, but not necessarily in a defined undergraduate field of study such as Radiological Technician or Medical Technician. This area of study provides a fall back area for students who have decided not to pursue professional programs such as medical school or physical therapy school. Students who have shifted their focus to graduate study in exercise physiology, athletic training or chiropractic would find this to be a suitable field of study.

In basic terms the General Health Sciences option opens up a broad array of professional fields for students upon graduation. The curriculum is designed to provide students with a base of knowledge which will allow them to pursue varied interests, including medical sales.

### Health Sciences students will...

- A blend of science courses designed to prepare students for further study in a specialized allied health field
- A mixture of physical rehabilitation and psychosocial electives to apply the principals from basic science courses
- A solid background for students wishing to enter clinical laboratory fields

### Career Planning

Career preparation is part of the mission of Southeast. 100% of programs offer our students an internship, study-abroad program, clinical opportunity, student teaching or research internship.

The Office of Career Services in Academic Hall 057 can provide students with professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Demonstrated Career Proficiency is a Requirement of all Southeast Students		
CL001	First Semester	Students connect academic career planning by completing an online career assessment
CL002	Second Semester	Students learn more about resources available to enhance academic and career planning
CL003	Junior Year	Students learn about continued career planning, job search strategies, and networking
CL004	Senior Year	Students learn about resume development, professional communication, interviewing, and transitioning to the first job from college

### Internship, Employment or Programs of Recent Graduates

- Career opportunities in clinical laboratory fields
- Orthotics and prosthetics
- Chiropractic School
- Entry Level Masters programs in Athletic Training
- Graduate study in Exercise Physiology
- Graduate Study in Clinical Laboratory Sciences
- Professional programs in various allied health fields, such as radiological technician, respiratory therapy, etc.

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This is a guide based on the 2017-2018 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use DegreeWorks to monitor their individual progress.

### CURRICULUM CHECKLIST

#### Health Sciences: General Health Science Option – 98 Hours Required

97 Hours Required – No Minor Required

Student must attain a grade of 'C' or higher in every major course.

A student must maintain an overall grade point average of 3.0 to remain in major.

##### Core Courses:

- \_\_\_ BI 163 Evolution and Ecology (4)
- \_\_\_ BI 173 Cell and Organismal Biology (4)
- \_\_\_ **BS 113 Anatomy and Physiology I (4)**
- \_\_\_ **BS 114 Anatomy and Physiology II (4)**
- \_\_\_ **CH 185 General Chemistry I (5)**
- \_\_\_ CH 186 Foundations of Inorganic Chemistry (3)
- \_\_\_ CH 187 Inorganic Chemistry and Qualitative Analysis Lab (2)
- \_\_\_ FN 235 Nutrition for Health (3)
- \_\_\_ FN 530 Pathophysiology: Implications for Nutrition and Exercise Science (3)
- \_\_\_ HL 105 Introduction to Allied Health Professions (3)
- \_\_\_ HL 113 Medical Terminology (3)
- \_\_\_ HL 120 Health Perspectives (3)
- \_\_\_ MA 134 College Algebra (3)
- \_\_\_ PH 120 Introductory Physics I w/Lab (5)
- \_\_\_ PH 121 Introductory Physics II w/Lab (5)
- \_\_\_ PY 101 Psychological Perspectives on Human Behavior (3)
- \_\_\_ PY 220 Psychological Development Across the Life Span (3)
- \_\_\_ PY 271 Research Design and Analysis I  
OR
- \_\_\_ SW 242 Statistics for Social Scientists (3)
- \_\_\_ PY 440 Abnormal Psychology  
OR
- \_\_\_ PY 466 Introduction to Physiological Psychology (3)
- \_\_\_ SC 155 Interpersonal Communication (3)

##### GENERAL HEALTH SCIENCES OPTION

- \_\_\_ BI 310 General Microbiology (4)
- \_\_\_ BI 472 Internship in Biology (2)
- \_\_\_ CH 341 Foundations of Organic Chemistry (4)
- \_\_\_ CH 342 Organic Chemistry Lab I (1)
- Physical Rehabilitation electives – choose 9 hours
  - \_\_\_ FN 255 Nutrition I (3)
  - \_\_\_ FN530 Pathophysiology (3)
  - \_\_\_ HL 251 Introduction to Athletic Injuries (3)
  - \_\_\_ HL 265 Therapeutic Modalities (3)
  - \_\_\_ HL 321 Advanced Injury Assessment I (3)
  - \_\_\_ HL 322 Advanced Injury Assessment II (3)
  - \_\_\_ HL 323 Advanced Injury Assessment III (3)
  - \_\_\_ HL 331 Exercise Physiology w/Lab (4)
  - \_\_\_ HL 444 Rehabilitation of Sports Injury (3)
  - \_\_\_ HL 511 Applied Anatomy (3)
- Psychosocial electives – choose 9 hours
  - \_\_\_ AN 101 Observing Cultures (3)
  - \_\_\_ PY 362 Learning & Memory (3)
  - \_\_\_ PY 525 Maturity & Aging (3)
  - \_\_\_ PY 555 Health Psychology (3)
  - \_\_\_ SO 102 Society, Culture & Social Behavior (3)

##### University Studies Requirements (not already listed above):

UI100 First Year Seminar, EN100 English Composition, Artistic Expression, Written Expression, Literary Expression, Development of a Major Civilization, Economic Systems, Political Systems, Social Systems

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at [semo.edu/transfercredit](http://semo.edu/transfercredit).

### SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	3	<b>BS114/014</b>	<b>4</b>
	EN100	3	HL105	2
	<b>BS113/013</b>	<b>4</b>	PY101	3
	FN235	3	SC155	3
	MA134	3	Written Expression	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>	
Milestone: Maintain a 2.0 grade point average				
<b>SECOND YEAR</b>	BI163	4	BI173	4
	<b>CH185/085/005</b>	<b>5</b>	CH186	3
	HL120	3	CH187	2
	PY220	3	HL113	3
	Literary Expression	3	Artistic Expression	3
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>	
Milestone: Maintain a 2.0 grade point average				
<i>(summer courses are encouraged to avoid 18 hour semesters)</i>				
<b>THIRD YEAR</b>	BI310	4	CH341	4
	PY271 or SW242	3	CH342	1
	Economic Systems	3	Physical Rehab Elective	3
	Political Systems	3	Psychosocial Elective	3
	Social Systems	3	Develop of a Major Civ	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>	
Milestone: Maintain a 2.0 grade point average				
<b>FOURTH YEAR</b>	FN530	3	BI472	2
	PH120/020	5	PH121/021	5
	PY440/PY466	3	Physical Rehab Elective	3
	Physical Rehab Elective	3	Psychosocial Elective	3
	Psychosocial Elective	3		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>13</b>	
Milestone: Maintain a 2.0 grade point average				

A "Milestone" signifies a significant stage for a student in the completion of a degree.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAP) at the senior level. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

Revised  
3/31/2017