

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.

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.

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.

To learn more
 Office of Admissions
 (573) 651-2590
admissions@semo.edu
semo.edu

**To explore
 the College
 of Education, Health and
 Human Studies online, visit**
semo.edu/education-health

**For advising
 Center for Academic Advising**
semo.edu/advising

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This is a guide based on the 2018-2019 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 Degree Works 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 116 Precalculus A (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 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 365 Therapeutic Modalities (3)
- ___ HL 444 Rehabilitation of Sports Injury (3)
- ___ HL 511 Applied Anatomy (3)
- ___ TX 251 Introduction to Athletic Injuries (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 – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 3 hours
- Constitution requirement – 3 hours
- US History requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	BS114/014	4
	EN100	3	HL105	2
	BS113/013	4	PY101	3
	FN235	3	SC155	3
	MA116	3	University Studies	3
	Total	16	Total	15
Milestone: Maintain a 2.0 grade point average				
SECOND YEAR	BI163	4	BI173	4
	CH185/085/005	5	CH186	3
	HL120	3	CH187	2
	PY220	3	HL113	3
	University Studies	3	University Studies	3
	Total	18	Total	15
Milestone: Maintain a 2.0 grade point average				
<i>(summer courses are encouraged to avoid 18 hour semesters)</i>				
THIRD YEAR	BI310	4	CH341	4
	PY271 or SW242	3	CH342	1
	University Studies	3	Physical Rehab Elective	3
	University Studies	3	Psychosocial Elective	3
	University Studies	3	University Studies	3
	Total	16	Total	14
Milestone: Maintain a 2.0 grade point average				
FOURTH YEAR	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		
	Total	17	Total	13
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), 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
7/10/2018

Degree Map 2018-2019

To learn more
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To explore
the College
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