The exercise science option of health management degree is designed around the knowledge, skills, and competencies of the American College of Sports Medicine, which is the preeminent professional organization for exercise physiologists, sports medicine professionals, and fitness workers. The certifications offered by this organization are the gold standard in the field. The curriculum prepares students to pass the American College of Sports Medicine’s Health Fitness Specialist Certification.

Students are not taught how to exercise, but rather how to apply the physiological and mechanical principles learned in the classroom to clients of varying health status and fitness levels. One way in which this is done is through an array of experiential learning opportunities. When students complete the exercise science program they have had ample opportunities to apply classroom knowledge and skills in the laboratory setting and in the field. Faculty monitor the students’ progress along the way.

Becoming Career Ready...

/ BS in Exercise management majors have the opportunity to gain hundreds of hours of real-world experience prior to graduation.

/ Exercise Science graduates work in the fitness, nutrition, wellness and rehabilitation settings, including corporate settings. Examples of job titles are health care instructor, corporate fitness and wellness coordinator, personal trainer, athletic director and rehabilitation specialist.

/ Faculty work closely with students to help them gain a wide variety of exercise testing and exercise programming skills.

/ Exercise Science majors learn to apply basic scientific principles to a diverse clientele.

/ Students in the program learn to address client’s specific needs in the development of an exercise regimen.

/ 100% of Southeast programs offer a real-world experience. Exercise Science students gain this experience through a required internship and practicum. Students complete a 480 clock-hour internship at the completion of the degree program. The internship provides not only an invaluable work experience but also often leads to employment.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests, and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

Internship and Employment Opportunities of Recent Graduates

- Velocity Sport Performance
- CrossFit 573
- WellBridge by SSM Healthcare
- Barnes Jewish Hospital
- Premier Rehabilitation
- Monsanto Corporate Fitness
- MediFit Corporation
- Corporate Fitness Works
- Vetta Sports
- HealthPoint Fitness – Southeast Health
- Fitness Plus – St. Francis Medical Center
- University of Missouri Strength and Conditioning
- St. Louis University Strength and Conditioning
- Southeast Missouri State University Strength and Conditioning
- Excel Sports and Physical Therapy

Special Options with Exercise Science

Southeast offers a Master of Science in Nutrition and Exercise Science.

Transfer and Dual Credit Students

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

This program could lead to licensure or certification. However, Southeast’s program either does not meet, or we cannot determine if it meets, the licensure or certification requirement in all states. Please consult our State Authorization page, Licensure tab, to determine information specific to your state: https://semo.edu/online/student-resources/stateauth.html.
**Health Management: Exercise Science Option**

Bachelor of Science (BS)

This is a guide based on the 2020-2021 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**

Critical Courses are italicized and bolded. These courses are indicators of potential for success in the degree program.

**Health Management: Exercise science option – 67 Hours**

**Required – No minor required**

A grade of 'C' is required in each core course

- **FN235** Nutrition for Health (3)
- **HL111** Introduction to Health Management (3)
- **HL120** Health Perspectives (3)
- **HL231** Fitness Conditioning (3)
- **HL303** Research Methods (3)
- **HL312** Sport and Exercise Pharmacology (3)
- **HL331** Exercise Physiology (4) w/ Lab
- **HL332** Lifestyle Disease Risk Reduction (3)
- **HL431** Fitness Assessment (3)
- **HL460** Exercise Leadership (3)
- **HL498** Health Internship (12)*

* In order to enroll in the internship, students must have a grade point average of 2.5 in the major and overall in order to enroll in the internship; all major courses must be completed with a grade of 'C' or higher.

**Exercise Science Option**

- **HL261** Exercise Science Practicum (3)
- **HL345** Principles & Practices of Resistance Training (3)
- **HL471** Fitness Facility Administration (3)
- **HL550** Exercise Programming for Special Populations (3)
- **PE464** Kinesiology (3)
- **TX251** Introduction to Athletic Injuries (3)
- **FN200-590** Nutrition Elective (3)*
- **HL300-500** Health Management Elective (6)

* Choose from FN265, FN355, FN370 or FN401

**Prerequisite Courses:**

Some courses may fulfill General Education requirements.

A grade of 'C' or better is required in each support course.

- **BS113** Anatomy and Physiology I (4) w/ Lab
- **BS114** Anatomy and Physiology II (4) w/ Lab
- **CH181** Basic Principles of Chemistry (5)
- **MA123** Mathematical Reasoning & Modeling or higher level math (3)

**General Education Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution 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)
- Civics examination

**SAMPLE FOUR-YEAR PLAN**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST YEAR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UI100</td>
<td>3</td>
<td>CH181/081/001</td>
<td>5</td>
</tr>
<tr>
<td>EN100</td>
<td>3</td>
<td>FN235</td>
<td>3</td>
</tr>
<tr>
<td>HL111</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>HL120</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>MA123</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

Milestone: Must complete MA 123 or higher level math and CH 181/081/001 with a grade of 'C' or better

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SECOND YEAR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BS113/013</td>
<td>4</td>
<td>BS114/014</td>
<td>4</td>
</tr>
<tr>
<td>HL231</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>HL261</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>General Education</td>
<td>3</td>
</tr>
<tr>
<td>General Education</td>
<td>3</td>
<td>Elective</td>
<td>2</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

Milestone: Must complete BS 113 and BS 114 with a grade of 'C' or better

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THIRD YEAR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TX251</td>
<td>3</td>
<td>HL312</td>
<td>3</td>
</tr>
<tr>
<td>HL331</td>
<td>4</td>
<td>HL345</td>
<td>3</td>
</tr>
<tr>
<td>HL332</td>
<td>3</td>
<td>HL431</td>
<td>3</td>
</tr>
<tr>
<td>FN Elective</td>
<td>3</td>
<td>HL471</td>
<td>3</td>
</tr>
<tr>
<td>HL Elective</td>
<td>3</td>
<td>PE464</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course #</th>
<th>Hrs</th>
<th>Course #</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOURTH YEAR</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL303</td>
<td>3</td>
<td>HL 498</td>
<td>12</td>
</tr>
<tr>
<td>HL460</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL550</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HL elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
<td>Total</td>
<td>12</td>
</tr>
</tbody>
</table>

Milestone: A major GPA of 2.5 is required for admission into HL 498

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

A minimum 2.0 GPA in the major and overall are required to graduate.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.