

# EXERCISE SCIENCE, B.S.

## Curriculum Overview

The Bachelor of Science in Exercise Science at Saint Louis University consists of three pathways. The exercise and wellness concentration is for students who seek careers as an exercise physiologist, medical scientist, personal trainer, health and wellness coordinator, wellness coach or recreation specialist. This exercise and wellness concentration of the exercise science, B.S. is available at Saint Louis University and Saint Louis University-Madrid.

SLU also offers the exercise science, B.S., with concentrations in athletic training or physical therapy. These concentrations are for students who wish to pursue direct entry toward a Master of Athletic Training (M.A.T.) or a Doctor of Physical Therapy (D.P.T.) degree respectively. For additional information on all the exercise science, B.S. concentrations, see the Requirements and Roadmap tabs.

For additional information on the M.A.T. and the D.P.T., see the catalog entries below:

Athletic Training, Master of (<https://catalog.slu.edu/colleges-schools/health-sciences/physical-therapy-athletic-training/athletic-training-program/>)

Physical Therapy, Doctor of (<https://catalog.slu.edu/colleges-schools/health-sciences/physical-therapy-athletic-training/physical-therapy-program/>)

## Admission Requirements

Begin Your Application (<https://www.slu.edu/apply.php>)

Saint Louis University also accepts the Common Application and the Coalition Application.

### Freshman

All applications are thoroughly reviewed with the highest degree of individual care and consideration to all credentials that are submitted. Solid academic performance in college preparatory coursework is a primary concern in reviewing a freshman applicant's file.

To be considered for admission to any Saint Louis University undergraduate program, applicants must be graduating from an accredited high school, have an acceptable HiSET exam score or take the General Education Development (GED) test.

### Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED or HiSET.

Students who have attempted fewer than 24 semester credits (or 30 quarter credits) of college credit must follow the above freshmen admission requirements. Students who have completed 24 or more semester credits (or 30 quarter credits) of college credit must submit transcripts from all previously attended college(s).

In reviewing a transfer applicant's file, the Office of Admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University. Where applicable, transfer students will

be evaluated on any courses outlined in the continuation standards of their preferred major.

## International Applicants

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English Language Proficiency (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/>)
- All academic records must include an English translation. An official course-by-course transcript evaluation may be required and accepted.

## Tuition

Tuition/Fee	Cost Per Year
Undergraduate Tuition	\$58,960
University Fees	\$1,000

Additional charges may apply. Other resources are listed below:

Net Price Calculator (<https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php>)

Cost of Attendance (<https://www.slu.edu/financial-aid/tuition-and-costs/cost-of-attendance.php>)

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer-current/tuition-summer-current.pdf>)

## Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- **Scholarships:** Awarded based on academic achievement, service, leadership and financial need. In addition to SLU scholarships, the Doisy College of Health Sciences offers scholarships (<https://www.slu.edu/doisy/about/scholarships-for-current-students.php>) to sophomores, juniors, seniors and graduate students.
- **Financial Aid:** Provided in the form of grants and loans, some of which require repayment.

For priority consideration of merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by Feb. 1.

For more information, visit the Office of Student Financial Services (<https://www.slu.edu/financial-aid/>).

## Requirements

Code	Title	Credits
	University Undergraduate Core ( <a href="https://catalog.slu.edu/academic-policies/academic-policies-procedures/university-core/">https://catalog.slu.edu/academic-policies/academic-policies-procedures/university-core/</a> )	32-35
	Major Requirements	79-109

ENGL 1900	Advanced Strategies of Rhetoric and Research	3
MATH 1400	Pre-Calculus	3
PHIL 2050	Ethics	3
or HCE 2010	Foundations in Clinical Health Care Ethics	
PSY 1010	General Psychology	3
ANAT 1000	Basic Human Anatomy	3
STAT 1100	Introduction to Statistics	3
or STAT 1300	Elementary Statistics with Computers	
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1080 & CHEM 1085	Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab	4
CHEM 1480 & CHEM 1485	Principles of Chemistry 2 Lecture and Principles of Chemistry 2 Lab	4
DIET 2080	Foundations in Nutrition	3
EXSC 3230	Exercise Physiology	3
IPE 2100	Interprofessional Collaboration and Healthcare in Global Context	3
IPE 4200	Applied Decision-Making in Interprofessional Practice	3
IPE 4900	Interprofessional Community Practicum	3
PHYS 1310	College Physics I	3
or PHYS 1610	University Physics I	
PHYS 1320	College Physics I Laboratory	1
or PHYS 1620	University Physics I Laboratory	
PPY 2540	Human Physiology	4
<i>Choose a Concentration:</i>		26-56
Exercise and Wellness Concentration (p. 2)		
Athletic Training Concentration (p. 2)		
Physical Therapy Concentration (p. 2)		
<b>University Electives</b>		<b>0-23</b>
<b>Total Credits</b>		<b>120-129</b>

## Exercise and Wellness Concentration

Code	Title	Credits
HSCI 2500	Human Development across the Lifespan	3
EXSC 4121	Clinical Biomechanics	3
EXSC 4150	Nutrition, Health, and Physical Performance	3
EXSC 4170	Exercise Testing and Prescription	3
EXSC 4260	Enhancing Human Performance	3
EXSC 4241	Clinical Research and Design	2
AAM 4361	Art and Science of Human Flourishing	3
<b>Concentration Electives</b>		<b>6-8</b>

It is recommended that students complete these 6-8 credit hours of concentration electives during the Freshman or Sophomore years.

BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	
BIOL 1460	Exercise and Health	
PHYS 1330	College Physics II	

or PHYS 1630	University Physics II	
PHYS 1340	College Physics II Laboratory	
or PHYS 1640	University Physics II Laboratory	
DIET 2100	Nutrition Across the Lifespan	
DIET 2510	The Art and Science of Cooking	
ASTD 2800	Sports in American Culture	
SOC 2110	Sociology of Sport	

**Total Credits** **26-28**

Students are highly encouraged to complete the following specific courses or subjects as part of their University Electives: EXSC 4910 Internship / Fieldwork in Exercise Science (1-3 cr), MGT 3000 Management Theory and Practice (3 cr), Nutrition and Dietetics, Education, Business, Psychology, Public Health, Healthcare Ethics, Health Management, Health Sciences, Biology or Chemistry.

## Athletic Training Concentration

Students must earn a C- or better in all required courses with a MAT, EXSC, ANAT, IPE and PPY prefix/subject code in the pre-professional phase. Student must earn a C or better in all required courses of the professional phase. For clinical education courses in the professional phase, students must earn an S (satisfactory) grade. In both the pre-professional and professional phases, students must earn a term/semester GPA of 2.70 or better. Early-assurance, freshman-entry and undergraduate transfer students, must earn a 2.7 cumulative GPA or better to enter the professional phase. For a complete list of academic and professional behavior continuation standards, see the AT Program Student Handbook (<https://www.slu.edu/doisy/degrees/-pdf/at-handbook.pdf>).

Code	Title	Credits
PHYS 1330	College Physics II	3
PHYS 1340	College Physics II Laboratory	1
PSY 3000/4000	Psychology Elective	3
ANAT 5010	Human Gross Anatomy	5
EXSC 5121	Clinical Biomechanics	3
EXSC 5241	Clinical Research and Design	2
MAT 2000	Athletic Training Student Development I	1
MAT 3000	Athletic Training Student Development II	2
MAT 5010	Principles of Athletic Training	2
MAT 5150	Foundations in Pain Science and Tissue Healing	2
MAT 5200	Critical Incident Management in Athletic Training	2
MAT 5240	Musculoskeletal Assessment and Management I	4
MAT 5250	Musculoskeletal Assessment and Management II	4
MAT 5500	Rehabilitation in Athletic Training I	4
MAT 5800	Medical Conditions and Physical Activity	3

**Total Credits** **41**

## Physical Therapy Concentration

Students must earn a C or better in all required courses with a DPT, EXSC, ANAT and IPE prefix/subject code and all required science courses in the pre-professional phase with a BIOL, CHEM, ANAT, PPY, PHYS, EXSC

prefix/subject. For clinical education courses in the professional phase, students must earn an S (satisfactory) grade. First semester in both the pre-professional and professional phases, students must earn a term/semester GPA of 2.00 or better. Every semester following in both the preprofessional and professional phases, students must earn a term/semester GPA of 2.70 or better. Early-assurance, freshman-entry and undergraduate transfer students, must earn a 3.00 cumulative GPA or better and complete a minor to enter the professional phase. For a complete list of academic and professional behavior continuation standards, see the Program in Physical Therapy Student Handbook (<https://www.slu.edu/doisy/degrees/-pdf/pt-student-handbook.pdf>).

Code	Title	Credits
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	4
PHYS 1330	College Physics II	3
PHYS 1340	College Physics II Laboratory	1
EXSC 1111	Self and Community in Healthcare Disciplines (PT, AT, EW)	1
DPT 1212	Fueling the Fire, Discovering Your Passion	2
DPT 2213	Professionalism and Physical Therapy Thought	1
DPT 3214	Reflections on the Core and the Future	1
ANAT 5010	Human Gross Anatomy	5
DPT 5011	Foundations in Physical Therapy	1
DPT 5121	Introduction to Human Movement Science and Analysis	3
DPT 5126	Wellness and Exercise for Health	2
DPT 5125	Therapeutic Modalities	2
DPT 5127	Basic Examination	3
DPT 5130	System-Based Pathology	4
DPT 5147	Human Growth and Development	3
ANAT 4300	AHP Neurosciences	4
DPT 5222	Integrated Human Movement Science and Analysis	3
DPT 5226	Wellness & Exercise for Rehabilitation	2
DPT 5228	Basic Procedures	2
EXSC 5241	Clinical Research and Design	2
DPT 5240	Neuromusculoskeletal Conditions	3
DPT 5290	Formation of Identity as a Physical Therapist	1
Upper-level Psychology Elective		3
<b>Total Credits</b>		<b>56</b>

## Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

## Exercise and Wellness Concentration (B.S. in Exercise Science)

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1080 & CHEM 1085	Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab	4
CORE 1500	Cura Personalis 1: Self in Community	1
ENGL 1900	Advanced Strategies of Rhetoric and Research	3
CORE 1700	Ultimate Questions: Philosophy	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
CHEM 1480 & CHEM 1485	Principles of Chemistry 2 Lecture and Principles of Chemistry 2 Lab	4
CORE 1000	Ignite First Year Seminar	2-3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3
MATH 1400	Pre-Calculus	3
Foundational Major Elective		3
<b>Credits</b>		<b>15-16</b>
<b>Year Two</b>		
<b>Fall</b>		
IPE 2100	Interprofessional Collaboration and Healthcare in Global Context	3
PHYS 1310 & PHYS 1320	College Physics I and College Physics I Laboratory	4
PPY 2540	Human Physiology	4
PSY 1010	General Psychology	3
DIET 2080	Foundations in Nutrition	3
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
ANAT 1000	Basic Human Anatomy	3
IPE 4200	Applied Decision-Making in Interprofessional Practice	3
HSCI 2500	Human Development across the Lifespan	3
Foundational Major Elective		3
Elective		3
<b>Credits</b>		<b>15</b>
<b>Year Three</b>		
<b>Fall</b>		
PHIL 2050 or HCE 2010	Ethics or Foundations in Clinical Health Care Ethics	3

CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
CORE 1600	Ultimate Questions: Theology	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
Upper-level Elective		3
<b>Credits</b>		<b>14-15</b>
<b>Spring</b>		
EXSC 3230	Exercise Physiology	3
IPE 4900	Interprofessional Community Practicum	3
STAT 1100	Introduction to Statistics	3
AAM 4361	Art and Science of Human Flourishing	3
Upper-level Major Elective		3
<b>Credits</b>		<b>15</b>
<b>Year Four</b>		
<b>Fall</b>		
EXSC 4121	Clinical Biomechanics	3
EXSC 4150	Nutrition, Health, and Physical Performance	3
EXSC 4260	Enhancing Human Performance	3
Upper-level Major Elective		3
CORE 3500	Cura Personalis 3: Self in the World	1
<b>Credits</b>		<b>13</b>
<b>Spring</b>		
EXSC 4170	Exercise Testing and Prescription	3
EXSC 4241	Clinical Research and Design	2
Upper-level Major Electives		12
<b>Credits</b>		<b>17</b>
<b>Total Credits</b>		<b>121-123</b>

## Athletic Training Concentration (B.S. in Exercise Science) Continuing to the Master of Athletic Training

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1080 & CHEM 1085	Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab (satisfies CORE 3800)	4
CORE 1500	Cura Personalis 1: Self in Community	1
ENGL 1900	Advanced Strategies of Rhetoric and Research (satisfies CORE 1900)	3
XXXX	Elective	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
CHEM 1480 & CHEM 1485	Principles of Chemistry 2 Lecture and Principles of Chemistry 2 Lab	4
CORE 1000	Ignite First Year Seminar	2
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3

MATH 1400	Pre-Calculus <sup>1</sup>	3
DIET 2080	Foundations in Nutrition	3
<b>Credits</b>		<b>15</b>
<b>Year Two</b>		
<b>Fall</b>		
CORE 1700	Ultimate Questions: Philosophy	3
IPE 2100	Interprofessional Collaboration and Healthcare in Global Context	3
MAT 2000	Athletic Training Student Development I	1
PHYS 1310	College Physics I	3
PHYS 1320	College Physics I Laboratory	1
PPY 2540	Human Physiology	4
PSY 1010	General Psychology (satisfies CORE 3600)	3
<b>Credits</b>		<b>18</b>
<b>Spring</b>		
ANAT 1000	Basic Human Anatomy	3
CORE 1600	Ultimate Questions: Theology	3
CORE 2500	Cura Personalis 2: Self in Contemplation	0
IPE 4200	Applied Decision-Making in Interprofessional Practice	3
PHYS 1330	College Physics II	3
PHYS 1340	College Physics II Laboratory	1
XXXX	Upper Division Psychology Elective	3
<b>Credits</b>		<b>16</b>
<b>Year Three</b>		
<b>Fall</b>		
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
PHIL 2050	Ethics	3
STAT 1100	Introduction to Statistics (satisfies CORE 3200)	3
XXXX	Elective	3
<b>Credits</b>		<b>14-15</b>
<b>Spring</b>		
IPE 4900	Interprofessional Community Practicum	3
MAT 3000	Athletic Training Student Development II (satisfies CORE 3500)	2
EXSC 3230	Exercise Physiology	3
XXXX	Elective	3
XXXX	Elective	1-3
<b>Credits</b>		<b>12-14</b>
<b>Summer</b>		
ANAT 5010	Human Gross Anatomy	5
MAT 5010	Principles of Athletic Training	2
<b>Credits</b>		<b>7</b>
<b>Year Four</b>		
<b>Fall</b>		
EXSC 5121	Clinical Biomechanics	3
MAT 5160X	Aspects of Nutrition	2
MAT 5150	Foundations in Pain Science and Tissue Healing	2

MAT 5200	Critical Incident Management in Athletic Training	2
MAT 5240	Musculoskeletal Assessment and Management I	4
MAT 5700	AT Clinical Practicum I	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
Bachelor of Science in Exercise Science - AT awarded upon successful completion of this semester of courses (minimum 120 credits)		
MAT 5250	Musculoskeletal Assessment and Management II	4
MAT 5500	Rehabilitation in Athletic Training I	4
MAT 5750	AT Clinical Practicum II	3
EXSC 5241	Clinical Research and Design	2
MAT 5800	Medical Conditions and Physical Activity	3
<b>Credits</b>		<b>16</b>
<b>Summer</b>		
MAT 6700	AT Clinical Practicum III	2
<b>Credits</b>		<b>2</b>
<b>Year Five</b>		
<b>Fall</b>		
MAT 5550	Rehabilitation in Athletic Training II	2
MAT 5600	Athletic Training Administration	3
MAT 5900	AT Field Experience	4
<b>Credits</b>		<b>9</b>
<b>Spring</b>		
MAT 5620X	Sports Psychology	3
MAT 6010	Contemporary Clinical Practice	3
MAT 6160	Enhancing Human Performance	3
MAT 6750	AT Clinical Practicum IV	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>152-155</b>

## Physical Therapy Concentration (B.S. in Exercise Science) Continuing to the Doctor of Physical Therapy

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
<b>Pre-Professional Phase</b>		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1080 & CHEM 1085	Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab	4
CORE 1700	Ultimate Questions: Philosophy (satisfies CORE 1700)	3
EXSC 1111	Self and Community in Healthcare Disciplines (PT, AT, EW) (satisfies CORE 1500)	1
ENGL 1900	Advanced Strategies of Rhetoric and Research (satisfies CORE 1900)	3

DIET 2080	Foundations in Nutrition	3
<b>Credits</b>		<b>18</b>
<b>Spring</b>		
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	4
CHEM 1480 & CHEM 1485	Principles of Chemistry 2 Lecture and Principles of Chemistry 2 Lab	4
DPT 1212	Fueling the Fire, Discovering Your Passion (satisfies CORE 1000)	2
MATH 1400	Pre-Calculus	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication (satisfies CORE 1200)	3
<b>Credits</b>		<b>16</b>
<b>Year Two</b>		
<b>Fall</b>		
IPE 2100	Interprofessional Collaboration and Healthcare in Global Context	3
PHYS 1310 & PHYS 1320	College Physics I and College Physics I Laboratory	4
PPY 2540	Human Physiology	4
PSY 1010	General Psychology	3
XXXX	Elective (for minor)	3
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
ANAT 1000	Basic Human Anatomy	3
DPT 2213	Professionalism and Physical Therapy Thought (satisfies CORE 2500)	1
IPE 4200	Applied Decision-Making in Interprofessional Practice	3
PHYS 1240 & PHYS 1255	General Physics II and General Physics II Lab	4
XXXX	Elective (for minor)	3
XXXX	Elective (for minor)	3
<b>Credits</b>		<b>17</b>

<b>Year Three</b>		
<b>Fall</b>		
Participation in Study Abroad Optional		
CORE 1600	Ultimate Questions: Theology	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
PHIL 2050 or HCE 2010	Ethics or Foundations in Clinical Health Care Ethics	3
PSY 3460	Abnormal Psychology	3
XXXX	Elective (for minor)	3
<b>Credits</b>		<b>17-18</b>
<b>Spring</b>		
EXSC 3230	Exercise Physiology	3
IPE 4900	Interprofessional Community Practicum	3
STAT 1100	Introduction to Statistics	3
DPT 3214	Reflections on the Core and the Future	1
XXXX	Elective (for minor)	3

XXXX	Elective (for minor)	3
<b>Credits</b>		<b>16</b>
<b>Year Four</b>		
<b>Summer</b>		
<b>Professional Phase</b>		
ANAT 4000	Human Gross Anatomy	5
<b>Credits</b>		<b>5</b>
<b>Fall</b>		
EXSC 5121	Clinical Biomechanics	3
DPT 5125	Therapeutic Modalities	2
DPT 5127	Basic Examination	3
DPT 5130	System-Based Pathology	4
DPT 5147	Human Growth and Development	3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
Bachelor of Science in Exercise Science - PT awarded upon completion of Semester Eight		
ANAT 4300	AHP Neurosciences	4
DPT 5222	Integrated Human Movement Science and Analysis	3
DPT 5226	Wellness & Exercise for Rehabilitation	2
DPT 5228	Basic Procedures	2
EXSC 5241	Clinical Research and Design	2
DPT 5240	Neuromusculoskeletal Conditions	3
DPT 5290	Formation of Identity as a Physical Therapist	1
<b>Credits</b>		<b>17</b>
<b>Year Five</b>		
<b>Fall</b>		
DPT 5123	Clinical Gait	2
DPT 5134	Multi System Management	3
DPT 5135	Cardiopulmonary Conditions	3
DPT 5137	Aspects of Nutrition	2
DPT 5142	Evidence Based Practice	2
DPT 5149	Motor Control and Motor Learning	2
DPT 5162	Musculoskeletal Conditions II	4
<b>Credits</b>		<b>18</b>
<b>Spring</b>		
DPT 5215	Cura Personalis as a Physical Therapist	2
DPT 5218	Effective Communication and Teaching	3
DPT 5251	Neurological Conditions	4
DPT 5263	Musculoskeletal Conditions III	4
DPT 5271	Patient Management I	3
DPT 5291	Clinical Experience IA	2
<b>Credits</b>		<b>18</b>
<b>Year Six</b>		
<b>Summer</b>		
DPT 6072	Patient Management II	1
DPT 6077	Department Administration	2
DPT 6091	Clinical Experience IB	1-2
DPT 6092	Clinical Experience IIA	2
<b>Credits</b>		<b>6-7</b>

<b>Fall</b>		
DPT 6116	Leadership and Advocacy as a Physical Therapist	2
DPT 6124	Analysis and Intervention for Complex Human Movement	2
DPT 6138	Concepts of Wellness	1
DPT 6152	Pediatric Conditions	2
DPT 6164	Musculoskeletal Conditions IV	3
DPT 6173	Patient Management III	4
DPT 6178	Physical Therapy in Health Systems & Community	3
DPT 618X	Physical Therapy Elective (optional)	0-1
DPT 6192	Clinical Experience IIB	2
<b>Credits</b>		<b>19-20</b>
<b>Spring</b>		
Doctor of Physical Therapy awarded upon completion of Semester 12		
DPT 6293	Clinical Experience III	3
DPT 6294	Clinical Experience IV	3
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>205-208</b>

<sup>1</sup> CHEM 1110 General Chemistry 1 (0,3 cr) and CHEM 1115 General Chemistry 1 Laboratory (1 cr) can be taken in place of CHEM 1080 Principles of Chemistry 1 Lecture (3 cr) and CHEM 1085 Principles of Chemistry 1 Lab (1 cr).

<sup>2</sup> CHEM 1120 General Chemistry 2 (0,3 cr) and CHEM 1125 General Chemistry 2 Laboratory (1 cr) may be taken in place of CHEM 1480 Principles of Chemistry 2 Lecture (3 cr) and CHEM 1485 Principles of Chemistry 2 Lab (1 cr).

<sup>3</sup> PHYS 1310 College Physics I (3 cr) and PHYS 1320 College Physics I Laboratory (1 cr) may be taken in place of PHYS 1220 General Physics I (3 cr) and PHYS 1235 General Physics I Lab (1 cr).

## Madrid

The Bachelor of Science in Exercise Science at Saint Louis University-Madrid offers the exercise and wellness concentration and provides a comprehensive education in human movement, fitness, and health promotion, emphasizing the integration of scientific knowledge and practical application to improve overall wellness and quality of life.

Students gain a strong foundation in anatomy, physiology, biomechanics and nutrition while developing the skills to assess, design, and implement safe and effective exercise and wellness programs for diverse populations.

The exercise and wellness concentration focuses on preventive health and lifestyle management, preparing students to promote physical activity, stress reduction, and healthy behavior change in individuals, families and communities.

## Curriculum Overview

SLU-Madrid students benefit from small class sizes, hands-on instruction, and access to state-of-the-art laboratory and fitness facilities. Coursework combines classroom learning, applied laboratory experiences, and community engagement, reflecting SLU's Jesuit mission of educating the whole person and serving others.

The student can study at SLU-St. Louis at any point to complete the exercise science bachelor's with the exercise and wellness concentration. There are additional opportunities at SLU-St. Louis to pursue advanced degree options.

## Faculty

The faculty at Saint Louis University-Madrid are experts in their respective fields. They are internationally recognized teachers, researchers and mentors. Learn about our faculty members (<https://www.slu.edu/madrid/academics/faculty/faculty-profiles.php>), including their education, credentials, experience and contact information.

## Faculty Research

The SLU-Madrid faculty maintains robust programs of research in a variety of fields. See below for more data.

Find Faculty Research Information (<https://www.slu.edu/madrid/academics/faculty/faculty-research.php>)

Find Research Resources (<https://www.slu.edu/madrid/academics/faculty/research-resources.php>)

## Fieldwork, Internships and Careers

The B.S. in exercise science with the exercise and wellness concentration prepares graduates for careers in health promotion, fitness, and wellness coaching, as well as for advanced studies in physical therapy, occupational therapy, athletic training or public health.

Students develop expertise in:

- Anatomy, physiology and human performance
- Exercise testing and prescription
- Fitness and wellness program development
- Behavior change strategies and motivational coaching
- Injury prevention and rehabilitation principles
- Health promotion and disease prevention

## Employment Sectors

- Fitness and Wellness Centers
- Corporate or Community Health Programs
- Sports Performance Facilities
- Rehabilitation Clinics
- Public Health Organizations
- Universities and Research Institutions

## Types of Employers

- Hospitals and medical centers
- Corporate wellness programs
- Sports teams and clubs
- Nonprofit health agencies
- Government and municipal recreation departments
- Schools, colleges and universities

## Admission

SLU-Madrid Application (<https://www.slu.edu/madrid/apply.php>)

## Application Deadlines

- April 1 - Fall admission (July 1 for EU students)
- Aug. 1 - Spring admission (Nov. 1 for EU students)
- March 1 - Summer sessions (for applicants who require a student visa)
- April 15 - Summer sessions (for applicants who do not require a student visa)

## Contact Us

Office of Admissions  
Avenida del Valle, 34  
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[admissions-madrid@slu.edu](mailto:admissions-madrid@slu.edu)

**Office Hours:** Mondays through Fridays: 9 a.m. to 6 p.m. (3 p.m. on Fridays from May 15 - Sept. 1)

## Tuition and Fees

SLU-Madrid is committed to providing a quality Jesuit education at an affordable price. Tuition rates at SLU-Madrid are approximately 40% lower than at comparable private universities in the U.S.

If you have questions or would like to speak with a financial aid officer, email us at [financialaid-madrid@slu.edu](mailto:financialaid-madrid@slu.edu).

- Tuition and Fees (<https://www.slu.edu/madrid/admissions/tuition-fees.php>)
- Scholarships and Financial Aid (<https://www.slu.edu/madrid/admissions/scholarships-financial-aid.php>)

## 2+SLU

2+SLU programs provide a guided pathway for students transferring from a partner institution.

Exercise Science, B.S. (STLCC 2+SLU) (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/2plusslu/stlcc/exercise-science/>)

## Contact Us

Apply for Admission (<https://www.slu.edu/admission/>)

### Contact Doisy College of Health Sciences

Recruitment specialist  
314-977-2570  
[dchs@health.slu.edu](mailto:dchs@health.slu.edu)