

EXERCISE SCIENCE (BS) & ATHLETIC TRAINING (MSAT)

Contacts

Program Director: Stephen J. Thomas, PhD, ATC, FNATA, FASSET
 (https://www.jefferson.edu/academics/colleges-schools-institutes/rehabilitation-sciences/departments/exercise-science/faculty/thomas.html)

Email: Stephen.Thomas@jefferson.edu
 215-951-2657

Program Director: Kelly Pagnotta, PhD, LAT, ATC, NREMT, PES
 (https://www.jefferson.edu/academics/colleges-schools-institutes/rehabilitation-sciences/departments/exercise-science/faculty/pagnotta.html)

Email: Kelly.Pagnotta@jefferson.edu
 215-951-2542

Campus: East Falls

Program Website (https://www.jefferson.edu/academics/colleges-schools-institutes/rehabilitation-sciences/departments/exercise-science/degrees-programs/bses-ms-athletic-training.html)

Program Description

Designed for high school graduates that are interested in pursuing a career in athletic training. This program provides an accelerated degree path that shortens the time to graduation by one full year, while still delivering a high quality high-quality educational experience that couples both classroom and clinical based educational experiences necessary to earn a Bachelor of Science in exercise science and a masters in athletic training. The exercise science aspect will provide graduates with foundational knowledge in science, anatomy, physiology, biomechanics and exercise prescription.

Curriculum: years 1-3

Course	Title	Credits
First Year		
Fall		
FYS 100	Pathways Seminar	1
CHEM 103	Chemistry I	3
CHEM 103L	Chemistry I Lab	1
MATH 102 or MATH 110	Pre-Calculus or Pre-Calculus for Sci & Engrs	3-4
PSYC 101	Intro to Psychology	3
BIOL 103	Biology I	3
BIO 103	Biology I Laboratory	1
WRIT 101	Writing Sem I: Written Comm.	3
Credits		18-19
Spring		
EXSC 110	Intro to Exercise Science	1
PSYC 213	Developmental Psychology	3
CHEM 104	Chemistry II	3
CHEM 104L	Chemistry II Lab (Exercise Science Elective)	1
Exercise Science Elective		3
BIOL 104	Biology II	3
BIOL 104L	Biology II Lab	1
AVIS 101	American Visions	3
Credits		18

Course	Title	Credits
Second Year		
Fall		
WRIT 201	Writing Seminar II:Multi Comm	3
GDIV 2XX	Global Diversity Placeholder	3
BIOL 201	Human Anatomy and Physiology I	3
BIOL 201L	Human Anat & Physiology I Lab	1
EXSC 315	Statistics for ExerciseScience	3
EXERCISE SCIENCE ELECT		3
Credits		16
Spring		
GCIT 2XX	Global Citizenship Placeholder	3
ETHC 2XX	Ethics Course Placeholder	3
EXERCISE SCIENCE ELECT		3
ADIV 2XX	American Diversity Placeholder	3
EXSC 210	Developing the Interprof Team	1
BIOL 202	Human Anatomy & Physiology II	3
BIOL 202L	Human Anat & Physiology II Lab	1
Credits		17
Third Year		
Fall		
CGIS 300	Contemporary Global Issues	3
ISEM 3XX	Integrative Sem Placeholder	3
PHYC 111	Algebra-base PHYC I-Mach&Thermo	4
EXSC 311	Sports Nutrition	3
EXSC 312	Psych Theory of Hlth & Exerc	3
EXSC 313	Safety, First Aid & Inj Preven	3
Credits		19
Spring		
PHYC 112	Algebra-Based PHYS II-Electrici	4
EXERCISE SCIENCE ELECT		3
EXSC 310	Exercise Physiology	3
EXSC 330	Internship I	3
PHIL 499	Philosophies of the Good Life	3
Credits		16
Total Credits		104-105

Curriculum: years 4-6

- Professional Phase

Course	Title	Credits
First Year		
Fall		
Fall 1		
ATP 600	Emergency Care	4
ATP 602	Scientific Inquiry & Writing	1
ATP 605	Fundamentals of Athl Training	4
ATP 610	Basics of Rehabilitation	3
ATP 615	Functional Human Anatomy	3
Fall 2		
ATP 620	Practicum I	3
Credits		18
Spring		
Spring 1		
ATP 625	Prev, Eval & Treat of Ath Inj I (Upper Extremity)	4
ATP 630	Therap Modlities for Ath Train	3
ATP 635	Human Phys: Exer, Nutri & Perf	3
ATP 645	Motor Contrl & Humn Move Train	3
Spring 2		
ATP 640	Practicum II Athl Injuries I	3
Credits		16

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Course	Title	Credits
Summer		
ATP 691	Research-Collaborative Proj I	1
ATP 660	Specilty Practicm in Ath Train	2
Credits		3
Second Year		
Fall		
Fall 1		
ATP 661	Practicum III Ath Injuries I	3
Fall 2		
ATP 665	Prev,Eval,Treat ofInj II-LowEx (Lower Extremity)	4
ATP 675	Strength and Conditioning	3
ATP 685	Org & Admin in Ath Training	2
ATP 690	Gen Med Conditions&Pharm in AT	3
Credits		15
Spring		
Spring 1		
ATP 662	Practicum IV	3
Spring 2		
ATP 670	Prev,Eval,Treat of Inj-III-Spn (Spine and advanced techniques)	4
ATP 695	Psych Aspects of Injury& Rehab	3
ATP 696	Special Topics in Ath Training	2
ATP 692	Research-Collaborative Proj II	1
Credits		13
Total Credits		65