

# EXERCISE SCIENCE (BS) & ATHLETIC TRAINING (MSAT)

## Contacts

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Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/rehabilitation-sciences/departments/exercise-science/degrees-programs/bse-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
<b>First Year</b>		
<b>Fall</b>		
FYS 100	Pathways Seminar	1
CHEM 103	Chemistry I	3
CHEM 103L	Chemistry I Lab	1
AVIS 101	American Visions	3
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
<b>Credits</b>		<b>18-19</b>
<b>Spring</b>		
EXSC 110	Intro to Exercise Science	1
WRIT 101	Writing Sem I: Written Comm.	3
PSYC 102		3
WRIT 201H	Writ Sem 2: Multimedia Comm	3
CHEM 104	Chemistry II	3
General Elective		3
CHEM 104L	Chemistry II Lab	1
BIOL 104	Biology II	3
BIOL 104L	Biology II Lab	1
<b>Credits</b>		<b>21</b>
<b>Second Year</b>		
<b>Fall</b>		
STAT 220 or STAT 301 or STAT 301	Stats for the Behavioral Sci or	3
WRIT 201	Writing Seminar II:Multi Comm	3
PHYC 201	Physics I	3
PHYC 201L	Physics I Lab	1

Course	Title	Credits
<b>General Elective</b>		
GDIV 2XX	Global Diversity Placeholder	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
ETHC 1XX	Ethics Course Placeholder	3
GCIT 2XX	Global Citizenship Placeholder	3
ADIV 2XX	American Diversity Placeholder	3
PHYC 203	Phys II: Waves, Elec, & Mag	3
PHYC 203L	Physics II Lab	1
EXSC 210	Developing the Interprof Team	1
Concentration Coursework (p. )		3
<b>Credits</b>		<b>17</b>
<b>Third Year</b>		
<b>Fall</b>		
CGIS 300	Contemporary Global Issues	3
BIO 201	Anatomy&Physiology I	3
BIO 202	Anatomy&Physiology I Lab	1
EXSC 311	Sports Nutrition	3
EXSC 312	Psych Theory of Hlth & Exerc	3
EXSC 313	Safety, First Aid & Inj Preven	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
BIO 203	Anatomy & Physiology II	3
BIO 204	Anatomy & Physiology II Lab	1
EXSC 310	Exercise Physiology	3
EXSC 330	Internship I	3
General Elective		3
Integrative Seminar		3
PHIL 499	Philosophies of the Good Life	3
<b>Credits</b>		<b>19</b>
<b>Total Credits</b>		<b>107-108</b>

## Curriculum: Years 4-6

- Professional Phase

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
<b>Fall 1</b>		
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
<b>Fall 2</b>		
ATP 620	Practicum I	2
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
<b>Spring 1</b>		
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
<b>Spring 2</b>		
ATP 640	Practicum II Athl Injuries I	3
<b>Credits</b>		<b>16</b>
<b>Summer</b>		
ATP 691	Research-Collaborative Proj I	1
ATP 660	Specilty Practicm in Ath Train	2
<b>Credits</b>		<b>3</b>

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Course	Title	Credits
<b>Second Year</b>		
<b>Fall</b>		
<b>Fall 1</b>		
ATP 661	Practicum III Ath Injuries I	3
<b>Fall 2</b>		
ATP 665	Prev, Eval, Treat of Inj II - Low Ex (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
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
<b>Spring 1</b>		
ATP 662	Practicum IV	3
<b>Spring 2</b>		
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
<b>Credits</b>		<b>13</b>
<b>Total Credits</b>		<b>64</b>