

# KINESIOLOGY - 5-YEAR BACHELOR OF SCIENCE AND MASTER OF SCIENCE IN ATHLETIC TRAINING

## Program Requirements

This degree plan has been laid out showing students the number of hours they must take each semester in order to complete the program. The undergraduate portion of the plan is a suggested plan and should be followed closely. There may be some modifications in course order that can occur but students should consult with the departmental academic advisor for the combined degree program before changes are made in order to ensure they are meeting all requirements.

### First Year

Fall		Semester Credit Hours
BIOL 111	Introductory Biology I <sup>1</sup>	4
ENGL 103 or ENGL 104	Introduction to Rhetoric and Composition <sup>1</sup> or Composition and Rhetoric	3
KINE 121	Physical and Motor Fitness Assessment <sup>1,2</sup>	2
MATH 140	Mathematics for Business and Social Sciences <sup>1,3</sup>	3
PBSI 107	Introduction to Psychology	3
<b>Semester Credit Hours</b>		<b>15</b>

### Spring

BIOL 112	Introductory Biology II <sup>1</sup>	4
CHEM 119	Fundamentals of Chemistry I <sup>1</sup>	4
KINE 213	Foundations of Kinesiology <sup>1</sup>	3
MATH 142	Business Calculus <sup>1,4</sup>	3
POLS 206	American National Government	3
<b>Semester Credit Hours</b>		<b>17</b>

### Second Year

Fall		Semester Credit Hours
ATTR 201	Field Experience in Athletic Training I <sup>5</sup>	1
CHEM 120	Fundamentals of Chemistry II <sup>1</sup>	4
HLTH 354/ PHLT 354	Medical Terminology for the Health Professions <sup>1</sup>	3
KINE 199	Required Physical Activity <sup>2,6</sup>	1
PHYS 201	College Physics <sup>1</sup>	4
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>7,8</sup>		3
<b>Semester Credit Hours</b>		<b>16</b>

### Spring

ATTR 202	Field Experience in Athletic Training II <sup>5</sup>	1
BIOL 319	Integrated Human Anatomy and Physiology I <sup>1,2</sup>	4
PHYS 202	College Physics <sup>1</sup>	4
NUTR 202	Fundamentals of Human Nutrition <sup>1</sup>	3

American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>7,8</sup>	3
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Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>7,8</sup>	3
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**Semester Credit Hours 18**

### Third Year

#### Fall

ATTR 301	Field Experience in Athletic Training I <sup>5</sup>	1
BIOL 320	Integrated Human Anatomy and Physiology II <sup>1,2</sup>	4
KINE 406	Motor Learning and Skill Performance <sup>1</sup>	3
KINE 407	Motor Control and Learning Lab <sup>1,9</sup>	1
Select one of the following: <sup>1</sup>		3
ENGL 210	Technical and Professional Writing	
COMM 203	Public Speaking	
COMM 205	Communication for Technical Professions	
COMM 243	Argumentation and Debate	
Creative arts ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>7,8</sup>		3

**Semester Credit Hours 15**

#### Spring

ATTR 302	Field Experience in Athletic Training II <sup>5</sup>	1
KINE 199	Required Physical Activity <sup>2,6</sup>	1
KINE 216/ HLTH 216	First Aid <sup>1</sup>	2
KINE 426	Exercise Biomechanics <sup>1</sup>	3
KINE 428	Exercise Biomechanics Laboratory <sup>1</sup>	1
KINE 433	Physiology of Exercise <sup>1</sup>	3
KINE 435	Physiology of Exercise Lab <sup>1,9</sup>	1
POLS 207	State and Local Government	3

**Semester Credit Hours 15**

#### Summer

ATTR 650	Emergency Management <sup>1,10</sup>	2
ATTR 651	Clinical Education I <sup>1,10</sup>	1
ATTR 660	Foundations of Athletic Training Practice <sup>1,10</sup>	2
ATTR 661	Essential Clinical Skills <sup>1,10</sup>	2

**Semester Credit Hours 7**

### Fourth Year

#### Fall

ATTR 642	Clinical Decision Making and Evidence Based Practice I <sup>1,10</sup>	1
ATTR 652	Clinical Education II <sup>1,10</sup>	2
ATTR 662	Clinical Examination and Diagnosis - Lower Extremity and Spine <sup>1,10</sup>	4
ATTR 668	Therapeutic Intervention I - Therapeutic Modalities <sup>1,10</sup>	4
ATTR 675	Evidence Based Practice and Clinical Research <sup>1</sup>	3

**Semester Credit Hours 14**

<b>Spring</b>		
ATTR 643	Clinical Decision Making and Evidence Based Practice II <sup>1</sup>	1
ATTR 653	Clinical Education III <sup>1,10</sup>	2
ATTR 671	Healthcare Administration, Management, and Delivery Strategies in Athletic Training <sup>1</sup>	3
ATTR 664	Clinical Examination and Diagnosis - Upper Extremity, Cervical Spine and Head <sup>1,10</sup>	4
ATTR 676	Performance Enhancement in Sport <sup>1</sup>	3
<b>Semester Credit Hours</b>		<b>13</b>
<b>Summer</b>		
ATTR 654	Clinical Education IV <sup>1</sup>	2
STAT 651	Statistics in Research I	3
<b>Semester Credit Hours</b>		<b>5</b>
<b>Fifth Year</b>		
<b>Fall</b>		
ATTR 645	Corrective Techniques and Progressive Exercise for Return to Function <sup>1</sup>	1
ATTR 655	Clinical Education V <sup>1</sup>	2
ATTR 666	Therapeutic Intervention II - Therapeutic Exercise <sup>1</sup>	4
ATTR 670	General Medical Conditions and Therapeutic Medication <sup>1</sup>	2
ATTR 673	Therapeutic Interventions III - Manual Therapy <sup>1</sup>	2
ATTR 674	Behavioral Health <sup>1</sup>	1
<b>Semester Credit Hours</b>		<b>12</b>
<b>Spring</b>		
ATTR 646	Transition to Practice <sup>1</sup>	1
ATTR 656	Clinical Education VI <sup>1</sup>	2
ATTR 672	Professional Preparation and Issues in Athletic Training <sup>1</sup>	3
ATTR 677	Research Capstone <sup>1</sup>	3
<b>Semester Credit Hours</b>		<b>9</b>
<b>Total Semester Credit Hours</b>		<b>156</b>

<sup>10</sup> Course will count in undergraduate and graduate program.

Students may elect to take PHYS or CHEM courses during the summer semester between freshman and sophomore year to reduce the fall course load.

The program includes a total of 180 hours, of which up to 24 hours may be applied toward both the Bachelor of Science in Kinesiology and the Master of Science in Athletic Training.

<sup>1</sup> Must make a grade of C or better.

<sup>2</sup> Must be taken at Texas A&M University.

<sup>3</sup> MATH 148, MATH 152, MATH 168, or MATH 172 will be accepted in lieu of MATH 140.

<sup>4</sup> MATH 147, MATH 151, or MATH 171 will be accepted in lieu of MATH 142.

<sup>5</sup> Must make a grade of B or better.

<sup>6</sup> Activities should be chosen in consultation with your advisor. Participation in band or athletics cannot be used for KINE 199 credit. KINE 199 activities cannot be repeated for credit.

<sup>7</sup> Course must meet core curriculum requirements.

<sup>8</sup> Course selection should meet the International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) and/or Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) graduation requirement if needed.

<sup>9</sup> Meets core curriculum writing requirement.