# 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

<table>
<thead>
<tr>
<th>Semester Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>BIOL 111</td>
<td>Introductory Biology&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>3</td>
<td>ENGL 103 or ENGL 104</td>
<td>Introduction to Rhetoric and Composition&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>2</td>
<td>KINE 121</td>
<td>Physical and Motor Fitness Assessment&lt;sup&gt;1,2&lt;/sup&gt;</td>
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<tr>
<td>3</td>
<td>PBSI 107</td>
<td>Introduction to Psychology</td>
</tr>
<tr>
<td>1</td>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
</tr>
<tr>
<td>1</td>
<td>MATH 148</td>
<td>Calculus II for Biological Sciences</td>
</tr>
<tr>
<td>1</td>
<td>MATH 152</td>
<td>Engineering Mathematics II</td>
</tr>
<tr>
<td>1</td>
<td>MATH 168</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>1</td>
<td>MATH 172</td>
<td>Calculus II</td>
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<tr>
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### Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 112</td>
<td>Introductory Biology&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>KINE 213</td>
<td>Foundations of Kinesiology&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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### Second Year

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ATTR 201</td>
<td>Field Experience in Athletic Training&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>HLTH 354</td>
<td>Medical Terminology for the Health Professions&lt;sup&gt;1&lt;/sup&gt;</td>
</tr>
<tr>
<td>KINE 199</td>
<td>Required Physical Activity&lt;sup&gt;1,2,4&lt;/sup&gt;</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics&lt;sup&gt;1&lt;/sup&gt;</td>
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<td><strong>Total Semester Credit Hours</strong></td>
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### Summer

<table>
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<tbody>
<tr>
<td>ATTR 650</td>
<td>Emergency Management&lt;sup&gt;8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 651</td>
<td>Clinical Education&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 660</td>
<td>Foundations of Athletic Training Practice&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 661</td>
<td>Essential Clinical Skills&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
<td><strong>7</strong></td>
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American history ([http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history<sup>5,6</sup>](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history))

Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ATTR 202</td>
<td>Field Experience in Athletic Training II&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>BIOL 319</td>
<td>Integrated Human Anatomy and Physiology&lt;sup&gt;1,2&lt;/sup&gt;</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>College Physics&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td>NUTR 202</td>
<td>Fundamentals of Human Nutrition&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td><strong>Total Semester Credit Hours</strong></td>
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American history ([http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history<sup>5,6</sup>](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history))

Language, philosophy and culture ([http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture<sup>5,6</sup>](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture))

### Third Year

<table>
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<tr>
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<tbody>
<tr>
<td>ATTR 301</td>
<td>Field Experience in Athletic Training I&lt;sup&gt;3&lt;/sup&gt;</td>
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<tr>
<td>BIOL 320</td>
<td>Integrated Human Anatomy and Physiology II&lt;sup&gt;1,2&lt;/sup&gt;</td>
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<tr>
<td>KINE 406</td>
<td>Motor Learning and Skill Performance&lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td>KINE 407</td>
<td>Motor Control and Learning Lab&lt;sup&gt;1,7&lt;/sup&gt;</td>
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Select one of the following:<sup>1</sup>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 210</td>
<td>Technical and Professional Writing</td>
</tr>
<tr>
<td>COMM 203</td>
<td>Public Speaking</td>
</tr>
<tr>
<td>COMM 205</td>
<td>Communication for Technical Professions</td>
</tr>
<tr>
<td>COMM 243</td>
<td>Argumentation and Debate</td>
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Creative arts ([http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts<sup>5,6</sup>](http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts))

### Summer

<table>
<thead>
<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ATTR 650</td>
<td>Emergency Management&lt;sup&gt;8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 651</td>
<td>Clinical Education&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 660</td>
<td>Foundations of Athletic Training Practice&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td>ATTR 661</td>
<td>Essential Clinical Skills&lt;sup&gt;1,8&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Total Semester Credit Hours</strong></td>
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### Fourth Year

#### Fall

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ATTR 642</td>
<td>Clinical Decision Making and Evidence Based Practice I, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>1</td>
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<tr>
<td>ATTR 652</td>
<td>Clinical Education II, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>2</td>
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<tr>
<td>ATTR 662</td>
<td>Clinical Examination and Diagnosis - Lower Extremity and Spine, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>ATTR 668</td>
<td>Therapeutic Intervention I - Therapeutic Modalities, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>4</td>
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<tr>
<td>ATTR 675</td>
<td>Evidence Based Practice and Clinical Research, &lt;sup&gt;1&lt;/sup&gt;</td>
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**Semester Credit Hours** 14

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ATTR 643</td>
<td>Clinical Decision Making and Evidence Based Practice II, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>1</td>
</tr>
<tr>
<td>ATTR 653</td>
<td>Clinical Education III, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>2</td>
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<tr>
<td>ATTR 671</td>
<td>Healthcare Administration, Management, and Delivery Strategies in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 664</td>
<td>Clinical Examination and Diagnosis - Upper Extremity, Cervical Spine and Head, &lt;sup&gt;1, 8&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>ATTR 676</td>
<td>Performance Enhancement in Sport, &lt;sup&gt;1&lt;/sup&gt;</td>
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**Semester Credit Hours** 13

#### Summer

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ATTR 654</td>
<td>Clinical Education IV, &lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td>STAT 651</td>
<td>Statistics in Research I</td>
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**Semester Credit Hours** 5

#### Fifth Year

#### Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ATTR 645</td>
<td>Corrective Techniques and Progressive Exercise for Return to Function, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>1</td>
</tr>
<tr>
<td>ATTR 655</td>
<td>Clinical Education V, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>ATTR 666</td>
<td>Therapeutic Intervention II - Therapeutic Exercise, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>ATTR 670</td>
<td>General Medical Conditions and Therapeutic Medication, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>ATTR 673</td>
<td>Therapeutic Interventions III - Manual Therapy, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>ATTR 674</td>
<td>Behavioral Health, &lt;sup&gt;1&lt;/sup&gt;</td>
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**Semester Credit Hours** 13

#### Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ATTR 646</td>
<td>Transition to Practice, &lt;sup&gt;1&lt;/sup&gt;</td>
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<tr>
<td>ATTR 656</td>
<td>Clinical Education VI, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>ATTR 672</td>
<td>Professional Preparation and Issues in Athletic Training, &lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
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<tr>
<td>ATTR 677</td>
<td>Research Capstone, &lt;sup&gt;1&lt;/sup&gt;</td>
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**Semester Credit Hours** 9

**Total Semester Credit Hours** 157

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1. Must make a grade of C or better.
2. Must be taken at Texas A&M University.
3. Must make a grade of B or better.
4. Activities should be chosen in consultation with your advisor.
5. Participation in band or athletics cannot be used for KINE 199 credit.
6. Course must meet core curriculum requirements.
7. Course selection should meet the International and Cultural Diversity requirements.
8. 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 load.

The program includes a total of 181 hours which up to 24 hours may be applied toward both the Bachelor of Science in Kinesiology and the Master of Science in Athletic Training.