ALLIED HEALTH SCIENCES (BS)

Health and Human Enrichment

The Allied Health Sciences degree program is designed to provide students with the required background for study in a career in the medical/allied health fields. The program serves as a Pre-Athletic Training, Pre-Physical Therapy, Pre-Occupational Therapy, Pre-Physician’s Assistant program. It will also prepare students to seek further study in Chiropractic medicine or to enter an accelerated/direct entry MSN program. A minimum GPA of 3.0 is required to graduate from this major, but students who intend to pursue graduate study in one of the programs listed above should strive to achieve a stronger academic record. Students will work closely with an academic advisor to choose the most appropriate major electives to support their intended career trajectory.

3+2 BS/MS Degree Option for Athletic Training

Students interested in athletic training who have completed all prerequisite courses and have a minimum 3.2 GPA at the end of the 3rd year of study will be given special consideration for early entry into the Master of Science degree program in Athletic Training for their 4th year of study. The MS degree program is a two-year program constituting years four and five for a student who entered the 3+2 program. Students who complete all requirements will earn the Bachelor of Science in Allied Health Sciences at the completion of year four and the Master of Science in Athletic Training at the completion of year five.

Degree Requirements

BS in AHS- Pre-Professional Option

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 2000</td>
<td>Introduction to Allied Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>AHS 2500</td>
<td>Medical Terminology and Basic Skills</td>
<td>2</td>
</tr>
<tr>
<td>AHS 3300</td>
<td>Epidemiology and Evidenced Based Medicine (GACO,QRCO,WRCO)</td>
<td>3</td>
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<tr>
<td>BI 2110</td>
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<td>BI 2130</td>
<td>Human Anatomy and Physiology Laboratory I</td>
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<td>BI 2120</td>
<td>Human Anatomy and Physiology II</td>
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<td>BI 2140</td>
<td>Human Anatomy and Physiology Laboratory II</td>
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<tr>
<td>EX 3580</td>
<td>Physiology of Exercise</td>
<td>3</td>
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<tr>
<td>MA 2300</td>
<td>Statistics I (QRCO)</td>
<td>3</td>
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<tr>
<td>PE 3570</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PS 2015</td>
<td>Introduction to General Psychology</td>
<td>4</td>
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</tbody>
</table>

Pre-Professional Option

HE 2500    | First Aid and CPR/AED                              | 1.5     |
HE 3220    | Applied Nutrition for Healthy Living (TECO)         | 3       |
EX 4780    | Exercise Prescription                              | 3       |

Major Electives 1

Minimum of 15 credits at 3000/4000 level from one or more of the following disciplines: AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS

General Education (https://coursecatalog.plymouth.edu/general-education/)

EN 1400    | Composition                                         | 4       |

IS 1115    | Tackling a Wicked Problem                           | 4       |
CTDI (https://coursecatalog.plymouth.edu/general-education/#CTDI) | 3-4 |
PPDI (https://coursecatalog.plymouth.edu/general-education/#PPDI) | 3-4 |
SSDI (https://coursecatalog.plymouth.edu/general-education/#SSDI) | 3-4 |
Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/2) | 4-8 |
DICO (https://coursecatalog.plymouth.edu/general-education/#DICO) | 3-4 |
INCP (https://coursecatalog.plymouth.edu/general-education/#INCP) | 3-4 |
WECO (https://coursecatalog.plymouth.edu/general-education/#WECO) | 3-4 |
Electives 27.5

Total Credits 120

1 Major Electives are chosen in consultation with the academic advisor to best prepare students for their intended career.

2 Directions should total 17-16 credits because SIDI is waived for BS Allied Health Sciences.

Overall GPA of 3.00 is required to graduate.

BS in AHS- Healthcare Administration Option

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Introduction to Allied Health Sciences</td>
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<td>Epidemiology and Evidenced Based Medicine (GACO,QRCO,WRCO)</td>
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<td>Physiology of Exercise</td>
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<td>MA 2300</td>
<td>Statistics I (QRCO)</td>
<td>3</td>
</tr>
<tr>
<td>PE 3570</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Major Electives are chosen in consultation with the academic advisor to best prepare students for their intended career.

Overall GPA of 3.00 is required to graduate.
Allied Health Sciences (BS)

PS 2015 Introduction to General Psychology 4

Healthcare Administration Option
PBH 2000 Foundations of Public Health 4
PBH 3200 Social and Behavioral Health Psychology (INCO,INCP) 4
PBH 4000 Ethics, Social Justice, and Policy in Public Health 4
SW 3300 Mental Health and Society (GACO) 3
or SW 3500 Health and Society (GACO, WECO) 3

Major Electives
Must be at the 3000/4000 level credits from one or more of the following disciplines: AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS

Choose four courses from the following: 2
BU 1500 Financial Reporting and Analysis
BU 2450 Principles of Marketing
BU 3180 Human Resource Management
BU 3420 Organizational Behavior (DICO)
BU 5070 Foundations of Accounting and Finance
BU 5075 Foundations of Management and Strategy
BU 5410 Human Resources in Health Care Administration
BU 5420 Health Care Law and Ethics
BU 5430 Health Care Administration and Financial Management

General Education (https://coursecatalog.plymouth.edu/general-education/)
EN 1400 Composition 4
IS 1115 Tackling a Wicked Problem 4
CTDI (https://coursecatalog.plymouth.edu/general-education/#CTDI) Creative Thought Direction 3-4
PPDI (https://coursecatalog.plymouth.edu/general-education/#PPDI) Past and Present Direction 3-4
SSDI (https://coursecatalog.plymouth.edu/general-education/#SSDI) Self and Society Direction 3-4
Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 4-8
DICO (https://coursecatalog.plymouth.edu/general-education/#DICO) Diversity Connection 3-4
INCP (https://coursecatalog.plymouth.edu/general-education/#INCP) Integrated Capstone 3-4
WECO (https://wellnessconnection.coursecatalog.plymouth.edu/general-education/#WECO) Wellness Connection 3-4

Electives 26
Total Credits 120

1 Major Electives are chosen in consultation with the academic advisor to best prepare students for their intended career.
2 Students must be at senior level and have a 3.0 GPA to enroll in the following courses that will count towards the MBA and graduate Healthcare Administration certificate: BU 5070, BU 5075, BU 5410, BU 5420, and BU 5430.
3 Directions should total 17-16 credits because SIDI is waived for BS Allied Health Sciences.

MBA with Healthcare Administration certificate

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<thead>
<tr>
<th>Course</th>
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<tr>
<td>BU 5110</td>
<td>Managing Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BU 5120</td>
<td>Financial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BU 5190</td>
<td>Accounting for Managers</td>
<td>3</td>
</tr>
<tr>
<td>BU 5210</td>
<td>Economic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BU 5220</td>
<td>The Legal Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BU 5410</td>
<td>Human Resources in Health Care Administration</td>
<td>3</td>
</tr>
<tr>
<td>BU 5490</td>
<td>Capstone: Health Care Topics</td>
<td>3</td>
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<tr>
<td>BU 5510</td>
<td>Operations Management</td>
<td>3</td>
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<tr>
<td>BU 5700</td>
<td>Marketing Techniques</td>
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<tr>
<td>BU 5720</td>
<td>Seminar in Executive Management</td>
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</tbody>
</table>

5000 level courses from undergraduate program 12
Total Credits 42

3+2 Option BS Allied Health Sciences

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<td>MA 2300</td>
<td>Statistics I (QRCO)</td>
<td>3</td>
</tr>
<tr>
<td>PE 3570</td>
<td>Kinesiology</td>
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</tr>
<tr>
<td>PS 2015</td>
<td>Introduction to General Psychology</td>
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</table>

Pre-Atheltic Training Option Requirements

<table>
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<th>Title</th>
<th>Credits</th>
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<tr>
<td>BI 1110</td>
<td>Biological Science I (TECO)</td>
<td>4</td>
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<tr>
<td>BI 1120</td>
<td>Biological Science II</td>
<td>4</td>
</tr>
<tr>
<td>CH 2335</td>
<td>General Chemistry I (QRCO)</td>
<td>4</td>
</tr>
<tr>
<td>EX 4780</td>
<td>Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>HE 2500</td>
<td>First Aid and CPR/AED</td>
<td>1.5</td>
</tr>
<tr>
<td>HE 3220</td>
<td>Applied Nutrition for Healthy Living (TECO)</td>
<td>3</td>
</tr>
</tbody>
</table>
Allied Health Sciences (BS) 3

PH 2210  Physics I  4
& PH 2430  and Physics Laboratory I

MS in Athletic Training 3+2 1

AT 5400  Preventative Theories and Psychomotor Skills  4
AT 5410  Lower Extremity Assessment  4
AT 5420  Upper Extremity Assessment  4
AT 5430  Spine, Posture and Function  4
AT 5470  Therapeutic Intervention I  4
AT 5480  Therapeutic Intervention II  4
AT 5810  Clinical Athletic Training I  4
AT 5820  Clinical Athletic Training II  4

AT 5400  Preventative Theories and Psychomotor Skills  4
AT 5410  Lower Extremity Assessment  4
AT 5420  Upper Extremity Assessment  4
AT 5430  Spine, Posture and Function  4
AT 5470  Therapeutic Intervention I  4
AT 5480  Therapeutic Intervention II  4
AT 5810  Clinical Athletic Training I  4
AT 5820  Clinical Athletic Training II  4

AT 5440  Athletic Training Administration  4
AT 5450  Pathology and Pharmacology in Sports Medicine  4
AT 5460  Evidence Based Research in Athletic Training  4
AT 5830  Clinical Athletic Training III  4
AT 5490  Athletic Training Capstone  4
AT 5845  Clinical Athletic Training IV  10

Total Credits 30

Recommended Course Sequence

Check all course descriptions for prerequisites before planning course schedule. Course sequence is suggested but not required.

To complete the bachelor's degree in 4 years, you must successfully complete a minimum of 15 credits each semester or have a plan to make up credits over the course of the 4 years. For example, if you take 14 credits one semester, you need to take 16 credits in another semester. Credits completed must count toward your program requirements (major, option, minor, certificate, general education or free electives).

BS in Allied Health Sciences- Pre-Professional Option

Course  Title  Credits

**Year One**

AHS 2000 Introduction to Allied Health Sciences  3
AHS 2500 Medical Terminology and Basic Skills  2
BI 2110 Human Anatomy and Physiology I  3
BI 2120 Human Anatomy and Physiology II  3
BI 2130 Human Anatomy and Physiology Laboratory I  1
BI 2140 Human Anatomy and Physiology Laboratory II  1
EN 1400 Composition  4
IS 1115 Tackling a Wicked Problem  4
MA 2300 Statistics I (QRCO)  3
Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 3-4

**Year Two**

EX 3580 Physiology of Exercise  3
HE 2500 First Aid and CPR/AED  1.5
PE 3570 Kinesiology  3
PS 2015 Introduction to General Psychology  4
Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 3-4

**Year Three**

AHS 3300 Epidemiology and Evidenced Based Medicine (GACO,QRCO,WRCO)  3
EX 4780 Exercise Prescription  3
HE 3220 Applied Nutrition for Healthy Living (TECO)  3

**Electives**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS</td>
<td>Major Electives</td>
<td>12-14</td>
</tr>
</tbody>
</table>

Credits 29.5-33.5

1 Students who wish to be considered for early entry into the Masters degree program must complete prerequisites for that program and earn a minimum 3.20 GPA.
2 Directions should total 17-16 credits because SIDI is waived for BS Allied Health Sciences.
3 Electives will be chosen in consultation with the academic advisor to best prepare the student for their intended career.
Allied Health Sciences (BS)

**WECO** (https://coursecatalog.plymouth.edu/general-education/#WECO)
- Wellness Connection: 3-4 Credits

**Major Electives (AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS) or Electives**: 18 Credits

**Year Four**

**DICO** (https://coursecatalog.plymouth.edu/general-education/#DICO)
- Diversity Connection: 3-4 Credits

**INCP** (https://coursecatalog.plymouth.edu/general-education/#INCP)
- Integrated Capstone: 3-4 Credits

**Major Electives (AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS) or Electives**: 22-24 Credits

**Credits**: 30-31

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**Directions**: Should total 16-17 credits because SIDI is waived for BS Allied Health Sciences. Students need one each of SSDI, CTDI, and PPDI AND 16 TOTAL credits (e.g. students may complete this requirement with four 4-credit courses).

Overall GPA of 3.00 is required to graduate.

**BS in Allied Health Sciences - Healthcare Administration Option**

<table>
<thead>
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<td>BI 2140</td>
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<td>EN 1400</td>
<td>Composition</td>
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<tr>
<td>IS 1115</td>
<td>Tackling a Wicked Problem</td>
<td>4</td>
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<tr>
<td>MA 2300</td>
<td>Statistics I (QRCO)</td>
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<td>Directions (choose from CTDI, PPDI, SSDI) (<a href="https://coursecatalog.plymouth.edu/general-education/">https://coursecatalog.plymouth.edu/general-education/</a>)</td>
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<table>
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<tr>
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<tr>
<td><strong>Year Two</strong></td>
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<tr>
<td>EX 3580</td>
<td>Physiology of Exercise</td>
<td>3</td>
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<tr>
<td>PBH 2000</td>
<td>Foundations of Public Health</td>
<td>4</td>
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<tr>
<td>PE 3570</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PS 2015</td>
<td>Introduction to General Psychology</td>
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<tr>
<td>SW 3300 or SW 3500</td>
<td>Mental Health and Society (GACO) or Health and Society (GACO,WECO)</td>
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<td>Directions (choose from CTDI, PPDI, SSDI) (<a href="https://coursecatalog.plymouth.edu/general-education/">https://coursecatalog.plymouth.edu/general-education/</a>)</td>
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**Year Three**

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<td>EX 4780</td>
<td>Exercise Prescription</td>
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</tr>
<tr>
<td>HE 3220</td>
<td>Applied Nutrition for Healthy Living (TECO)</td>
<td>3</td>
</tr>
<tr>
<td>PBH 3200 or PBH 3400</td>
<td>Social and Behavioral Health Psychology (INCO,INCP) or Program Planning for Public Health (WRCO)</td>
<td>4</td>
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<tr>
<td>PBH 4000</td>
<td>Ethics, Social Justice, and Policy in Public Health</td>
<td>4</td>
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<tr>
<td>WECO (<a href="https://coursecatalog.plymouth.edu/general-education/#WECO">https://coursecatalog.plymouth.edu/general-education/#WECO</a>)</td>
<td>Wellness Connection</td>
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</table>

**Major Electives (AHS, AT, BI, CH, EX, HE, NR, PBH, PE, PH, PS) or Electives**: 6-8 Credits

**Credits**: 29-33

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**Year Four**

Choose four BU courses from the following: 2

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BU 1500</td>
<td>Financial Reporting and Analysis</td>
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<tr>
<td>BU 2450</td>
<td>Principles of Marketing</td>
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<tr>
<td>BU 3180</td>
<td>Human Resource Management</td>
<td></td>
</tr>
<tr>
<td>BU 3420</td>
<td>Organizational Behavior (DICO)</td>
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<td>BU 5070</td>
<td>Foundations of Accounting and Finance</td>
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<td>BU 5075</td>
<td>Foundations of Management and Strategy</td>
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<tr>
<td>BU 5410</td>
<td>Human Resources in Health Care Administration</td>
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<tr>
<td>BU 5420</td>
<td>Health Care Law and Ethics</td>
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<td>Health Care Administration and Financial Management</td>
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<td>Diversity Connection</td>
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<td>INCP (<a href="https://coursecatalog.plymouth.edu/general-education/#INCP">https://coursecatalog.plymouth.edu/general-education/#INCP</a>)</td>
<td>Integrated Capstone</td>
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<td>Electives</td>
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</table>

**Credits**: 29-33

**Total Credits**: 120

---

1 Directions should total 16-17 credits because SIDI is waived for BS Allied Health Sciences. Students need one each of SSDI, CTDI, and PPDI AND 16 TOTAL credits (e.g. students may complete this requirement with four 4-credit courses).

2 Students must be at senior level and have a 3.0 GPA to enroll in the following courses that will count towards the MBA and graduate Healthcare Administration certificate: BU 5070, BU 5075, BU 5410, BU 5420, and BU 5430.
**3+2 Option BS Allied Health Sciences**

### Year One

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<td>EN 1400</td>
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<td>IS 1115</td>
<td>Tackling a Wicked Problem</td>
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<td>MA 2300</td>
<td>Statistics I (QRCO)</td>
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**Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 1**

<table>
<thead>
<tr>
<th>Credits</th>
<th>Total</th>
<th>3-8</th>
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</table>

**Major Elective or Elective**

<table>
<thead>
<tr>
<th>Credits</th>
<th>4</th>
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</table>

### Year Two

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 1110 or BI 1120</td>
<td>Biological Science I (TECO)</td>
<td>4</td>
</tr>
<tr>
<td>EX 3580</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>HE 2500</td>
<td>First Aid and CPR/AED</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 3570</td>
<td>Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PS 2015</td>
<td>Introduction to General Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 1**

<table>
<thead>
<tr>
<th>Credits</th>
<th>6-8</th>
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**Connections (choose from DICO, INCO, WECO) (https://coursecatalog.plymouth.edu/general-education/) 2**

<table>
<thead>
<tr>
<th>Credits</th>
<th>3-4</th>
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</table>

**Pre-Professional Sports Medicine Elective**

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
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</table>

### Year Three

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 3300</td>
<td>Epidemiology and Evidenced Based Medicine (GACO,QRCO,WRCO)</td>
<td>3</td>
</tr>
<tr>
<td>CH 2335</td>
<td>General Chemistry I (QRCO)</td>
<td>4</td>
</tr>
<tr>
<td>EX 4780</td>
<td>Exercise Prescription</td>
<td>3</td>
</tr>
<tr>
<td>HE 3220</td>
<td>Applied Nutrition for Healthy Living (TECO)</td>
<td>3</td>
</tr>
<tr>
<td>PH 2410 &amp; PH 2430</td>
<td>University Physics I and Physics Laboratory I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Directions (choose from CTDI, PPDI, SSDI) (https://coursecatalog.plymouth.edu/general-education/) 1**

<table>
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<tr>
<th>Credits</th>
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**Connections (choose from DICO, INCO, WECO) (https://coursecatalog.plymouth.edu/general-education/) 2**

<table>
<thead>
<tr>
<th>Credits</th>
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</thead>
</table>

**Pre-Professional Sports Medicine Elective**

<table>
<thead>
<tr>
<th>Credits</th>
<th>3</th>
</tr>
</thead>
</table>

### Year Four

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 5400</td>
<td>Preventative Theories and Psychomotor Skills</td>
<td>4</td>
</tr>
<tr>
<td>AT 5410</td>
<td>Lower Extremity Assessment</td>
<td>4</td>
</tr>
<tr>
<td>AT 5420</td>
<td>Upper Extremity Assessment</td>
<td>4</td>
</tr>
<tr>
<td>AT 5810</td>
<td>Clinical Athletic Training I</td>
<td>4</td>
</tr>
<tr>
<td>AT 5430</td>
<td>Spine, Posture and Function</td>
<td>4</td>
</tr>
<tr>
<td>AT 5470</td>
<td>Therapeutic Intervention I</td>
<td>4</td>
</tr>
</tbody>
</table>

**AT 5480** **Therapeutic Intervention II**

| Credits | 4 |

**AT 5820** **Clinical Athletic Training II**

| Credits | 32 |

**Total Credits**

| Credits | 120 |

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1. Directions should total 17-16 credits because SIDI is waived for BS Allied Health Sciences. Students need one each of SSDI, CTDI, and PPDI **AND 16 TOTAL credits** (e.g., students may complete this requirement with four 4-credit courses).

2. Student must choose a course from each connections category - DICO, INCP, WECO - for a total of 9-12 credits.

**Major Electives**: Major electives will be chosen in consultation with the academic advisor to best prepare the student for their intended career.

*Use these electives and major electives to complete prerequisites for graduate school admission*

Complete 9 credits from one or more of the following disciplines: AT, BI, CH, NR, PH

AT BS/MS students will need at least one semester of Biology, Chemistry, and Physics.

Complete 18 UL (3000 or higher) credits from one or more of the following: AT, BI, CH, HE, EX, PS, NR