**University Core and Graduation Requirements**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion Cornerstones</td>
<td></td>
<td></td>
<td>REL A 275</td>
</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<tr>
<td>Foundations of the Restoration</td>
<td>1</td>
<td>2.0</td>
<td>REL C 225</td>
</tr>
<tr>
<td>The Eternal Family</td>
<td>1</td>
<td>2.0</td>
<td>REL C 225</td>
</tr>
<tr>
<td>The Individual and Society</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>American Heritage</td>
<td></td>
<td>3-6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Skills</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Writing</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Advanced Written and Oral Communications</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>1</td>
<td>3.0</td>
<td>STAT 121*</td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
<td>1</td>
<td>3.0</td>
<td>STAT 121*</td>
</tr>
<tr>
<td>Arts, Letters, and Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilization 1</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Civilization 2</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Arts</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Letters</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Biological Science</td>
<td>1</td>
<td>3.0</td>
<td>NDFS 100*</td>
</tr>
<tr>
<td>Physical Science</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Social Science</td>
<td>1</td>
<td>3.0</td>
<td>EXSC 221*</td>
</tr>
<tr>
<td>Core Enrichment: Electives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Religion Electives</td>
<td>3-4</td>
<td>6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Open Electives</td>
<td>Variable</td>
<td>Variable</td>
<td>personal choice</td>
</tr>
</tbody>
</table>

* THESE COURSES FILL UNIVERSITY CORE AND PROGRAM REQUIREMENTS (9 hours overlap)

**Graduation Requirements:**

- **Minimum residence hours required**: 30.0
- **Minimum hours needed to graduate**: 120.0

**Suggested Sequence of Courses**

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td>1st Semester</td>
<td>15.0</td>
</tr>
<tr>
<td>First-year Writing or American Heritage</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning (if needed)**</td>
<td>0-3.0</td>
<td></td>
</tr>
<tr>
<td>Religion Cornerstone course</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>NDFS 100</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Social Science elective</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Global &amp; Cultural Awareness elective</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>14-17.0</td>
<td></td>
</tr>
</tbody>
</table>

**Note**: Students are encouraged to complete an average of 15–16 credit hours each semester or 30–32 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.

<table>
<thead>
<tr>
<th>Year</th>
<th>5th Semester</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNIOR</td>
<td>6th Semester</td>
<td>16.0</td>
</tr>
<tr>
<td>EXSC 463</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>EXSC 464</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>EXSC 430</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Major electives</td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td>Religion elective</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>Arts or Letters elective</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>16.5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>7th Semester</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SENIOR</td>
<td>6th Semester</td>
<td>16.0</td>
</tr>
<tr>
<td>EXSC 399R</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Major electives</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>General Education courses, university requirements, and/or general electives</td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td>Total Hours</td>
<td>25.0</td>
<td></td>
</tr>
</tbody>
</table>

*THESE COURSES FILL UNIVERSITY CORE AND PROGRAM REQUIREMENTS (9 hours overlap)
BS in Exercise & Wellness (663434)

2021-2022 Program Requirements (60.5 Credit Hours)

<table>
<thead>
<tr>
<th>REQUIREMENT</th>
<th>Complete 6 courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PREREQUISITES TO THE EXERCISE AND WELLNESS CORE:</strong></td>
<td></td>
</tr>
<tr>
<td>CELL 220 - Human Anatomy (with lab)</td>
<td>4.0</td>
</tr>
<tr>
<td>CELL 305 - Human Physiology</td>
<td>4.0</td>
</tr>
<tr>
<td>HLTH 320 - Advanced First Aid and Safety</td>
<td>3.0</td>
</tr>
<tr>
<td>*NDFS 100 - Essentials of Human Nutrition</td>
<td>3.0</td>
</tr>
<tr>
<td>*STAT 121 - Principles of Statistics</td>
<td>3.0</td>
</tr>
<tr>
<td>STDEV 150 - Public Speaking</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIREMENT 2</th>
<th>Complete 5 courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REQUIRED CORE COURSES:</strong></td>
<td></td>
</tr>
<tr>
<td>EXSC 387 - Lifestyle and Chronic Disease Prevention</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 410 - Stress Management</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 463 - Exercise Physiology</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 464 - Exercise Physiology Lab</td>
<td>0.5</td>
</tr>
<tr>
<td>EXSC 480 - Obesity and Weight Management</td>
<td>3.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIREMENT 3</th>
<th>Complete 4.0 hours from the following course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXSC 399R - Exercise Sciences Internship</td>
<td>9.0v</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIREMENT 4</th>
<th>Complete 24.0 hours from the following option(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ELECTIVES:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>OPTION 4.1</strong></td>
<td>Complete up to 24.0 hours from the following course(s)</td>
</tr>
<tr>
<td>COMPLETE A MINIMUM OF 18 HOURS FROM THE FOLLOWING:</td>
<td></td>
</tr>
<tr>
<td>CELL 365 - Pathophysiology</td>
<td>4.0</td>
</tr>
<tr>
<td>*EXSC 221 - Science of Wellness</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 320 - Basic Athletic Training</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 321 - Basic Athletic Training Lab</td>
<td>0.5</td>
</tr>
<tr>
<td>EXSC 362 - Kinesiology and Biomechanics</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 385 - Personal Training Strategies</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 440 - Advanced Musculoskeletal Human Anatomy (includes lab)</td>
<td>4.0</td>
</tr>
<tr>
<td>EXSC 455 - Worksite Health Promotion</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 468 - Problems in Exercise Prescription</td>
<td>2.0</td>
</tr>
<tr>
<td>HLTH 335 - Health Behavior Change</td>
<td>3.0</td>
</tr>
<tr>
<td>HLTH 345 - Principles of Epidemiology</td>
<td>3.0</td>
</tr>
<tr>
<td>HLTH 460 - Substance Use Disorders and the Individual, Family, and Community</td>
<td>3.0</td>
</tr>
<tr>
<td>HLTH 466 - Health and the Aging Process</td>
<td>3.0</td>
</tr>
<tr>
<td>NDFS 310 - Nutrition and Metabolism in Sports and Exercise</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 220 - Human Development: Life Span</td>
<td>3.0</td>
</tr>
<tr>
<td>PSYCH 356 - Introduction to Health Psychology</td>
<td>3.0</td>
</tr>
<tr>
<td>STDEV 317 - Career Strategies for Employment and Internships</td>
<td>2.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPTION 4.2</th>
<th>Complete up to 6.0 hours from the following course(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETE UP TO 6 HOURS FROM THE FOLLOWING:</td>
<td></td>
</tr>
<tr>
<td>ACC 200 - Principles of Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>BIO 130 - Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>CELL 363 - Advanced Physiology Laboratory</td>
<td>1.0</td>
</tr>
<tr>
<td>CHEM 101 - Introductory General Chemistry</td>
<td>3.0</td>
</tr>
<tr>
<td>CHEM 105 - General College Chemistry 1 with Lab (Integrated)</td>
<td>4.0</td>
</tr>
<tr>
<td>CHEM 285 - Introductory Bio-organic Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>ENT 301 - Business Model Ideation &amp; Validation</td>
<td>3.0</td>
</tr>
<tr>
<td>ENT 391 - Entrepreneurship Lecture Series</td>
<td>1.0</td>
</tr>
<tr>
<td>EXSC 350 - Research Methods and Evidence Based Practices</td>
<td>3.0</td>
</tr>
<tr>
<td>EXSC 399R - Huntsman World Senior Games Internship</td>
<td>2.0v</td>
</tr>
</tbody>
</table>

Note: Only 2.0 credits of EXSC 399R: Huntsman World Senior Games Internship may be used as part of the EXSC 399R: Exercise Sciences Internship requirement.

Note: Psych 356 has three prerequisites that can be waived for Exercise Sciences students. Students should contact the instructor, identify themselves as Exercise and Wellness majors, and request a permission-to-add code.

**THE DISCIPLINE**

Exercise and wellness is a departure from the typical U.S. medical model in that the focus is on helping individuals achieve optimal health and fitness, rather than on discovering and treating disease. Recent research findings, along with rising health care costs, have spurred an interest in keeping people healthy to improve the quality of life and avoid unnecessary medical expenses.

Depending on electives completed, there are several excellent career and graduate school options to pursue. Earning a master’s degree in exercise science, for example, can give the added knowledge and experience needed to direct a private, commercial, corporate, or clinical health/fitness program. Other graduate school opportunities include a master’s in public health (MPH), business administration (MBA), recreational therapy (MS), or nutritional science (MS) or a master’s in physician assistant studies (MPAS), to name a few.

**CAREER OPPORTUNITIES**

Exercise and Wellness professionals find employment primarily in commercial or community fitness centers, but may also work in hospital wellness programs or corporate health promotion programs. Job responsibilities typically involve teaching clients how to achieve optimal wellness through effective exercise, wholesome nutrition, and successful stress management strategies.

Exercise and wellness professionals may function at a staff or management level. Staff personnel often conduct one-on-one counseling sessions on a variety of health-related subjects as well as perform fitness testing and exercise prescription. They also may conduct workshops, conferences, or seminars on exercise, nutrition, stress management, weight control, and many other topics.

Program directors typically possess a master’s degree with several years of experience working in a health promotion/wellness environment. As a program director, additional responsibilities typically include financial budgeting, marketing, program administration and evaluation, and personnel hiring and training.

Students pursuing a degree in exercise and wellness are usually more successful in their profession if they gain expertise in the following areas: counseling, public speaking, behavior change, business, first aid, gerontology, and/or aerobic dance teaching. It is also strongly recommended that students obtain a health/fitness certification through a reputable certifying organization.
Survey data indicate that personal trainers earned $51,000 annually in the U.S. Throughout the U.S. the salaries range from $37,000 to $63,000. Health promotion program directors’ salaries are similar to those of personal trainers, with more earning potential for individuals with graduate degrees and/or experience.

MAP DISCLAIMER
While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION
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Brigham Young University
106 Smith Fieldhouse
Provo, UT 84602
Telephone: (801) 422-6507

ADVISEMENT CENTER INFORMATION
Life Sciences Advisement
Brigham Young University
2060 Life Sciences Building
Provo, UT 84602
Telephone: (801) 422-3042
Website: lsa.byu.edu