HEALTH SCIENCE | PREPROFESSIONAL

The health science program leading to the Bachelor of Health Science (BHS) degree includes didactic and experiential activities for students to learn the foundation skills necessary for success in the dynamic health environment.

About this Program

- **College:** Public Health and Health Professions (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH)
- **Degree:** Bachelor of Health Science
- **Specializations:** General Health Science (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS01) | Occupational Therapy Accelerated (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS02) | Pre-Physical Therapy (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS05) | Preprofessional (p. 1)
- **Credits for Degree:** 120
- **Additional Information**
- **Related Health Science Programs**

To graduate with this major, students must complete all university, college, and major requirements.

The program has two major goals: to teach foundational skills to students whose career goal is to work in health care, particularly for those who want to become health care providers, and to teach foundational skills to students who want to work with individuals, groups or communities who face social, economic or health challenges. In addition, interested students have the opportunity to explore a combined-degree program in public health.

The college offers four specializations in the freshman and sophomore years:

**General Health Science**

For students who want to work in a health care field not mentioned in the other specializations below. The number of electives allowed in this specialization affords the student the opportunity to incorporate a range of prerequisites for different career paths.

**Occupational Therapy Accelerated**

A combined degree program that allows students to take first-year Doctor of Occupational Therapy (OTD) Program courses during their junior and senior years in the health science program.

**Pre-Physical Therapy**

Offers a suggested prerequisite course sequence for students interested in pursuing entry-level physical therapy education at the graduate/professional level.

**Preprofessional**

For students pursuing careers in fields such as medicine, physician assistant and dentistry, all of which require significant basic science prerequisites. This specialization is set up to integrate commonly required preprofessional courses with requirements for the health science major.

The general health science, preprofessional and pre-physical therapy specializations collapse into one track beginning in the junior year and follow the same core curriculum, focusing on the health care system, different diseases and disabilities, the role of the health care provider in prevention and treatment, research methods and understanding core public health concepts. The senior year focuses on patient provider communication, effective leadership and critical-thinking skills important to clinical problem solving and the bioethical and legal issues impacting health care.

Regardless of specialization selected, students complement core courses with electives to round out their academic skills and interests.

Upon successful completion of the health science program, students receive the Bachelor of Health Science degree. While the majority of students pursue graduate or professional training in a health field (e.g. occupational therapy, physical therapy, medicine, physician assistant, health administration, dentistry, public health), some students seek employment in hospital or related community organizations after completing the B.H.S.

### Course Sequence

While all specializations are designed for students interested in health care, students should select the specialization that most closely approximates their career plans and overall academic performance. Included in specific tracks are typical prerequisites for UF graduate and professional programs.

All course specializations in the health science program require a minimum 3.0 overall and prerequisite GPA for admission at the junior level.

Each specialization incorporates general education math and writing requirements and health science prerequisites. All specializations accept AP or IB credit for any prerequisite course. Students must earn a minimum of C in any BHS prerequisite course that is not satisfied by AP/IB credit. NOTE: While students can use AP or IB credit to satisfy BHS prerequisites, students should be aware that graduate/professional programs may not accept AP/IB credits in lieu of letter grades for their respective prerequisites. Students should consult a college advisor if they need assistance or have questions about a specific course schedule.

Students must apply by February 1 for Summer B or Fall admission. All prerequisites must be completed by the end of Summer A. However, for admission consideration at the junior level, all students must have completed the following or equivalents before the application deadline:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BSC 2005</td>
<td>Biological Sciences</td>
<td>3</td>
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<tr>
<td>or BSC 210</td>
<td>Integrated Principles of Biology 1</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Introduction to Statistics 1</td>
<td>3</td>
</tr>
<tr>
<td>CLP 3144</td>
<td>Abnormal Psychology</td>
<td>3</td>
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<tr>
<td>or DEP 3053</td>
<td>Developmental Psychology</td>
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</table>

Other remaining prerequisites should be in progress at the time of application or completed by the end of the Summer A term.

### Related Health Science Programs

- **Bachelor of Public Health** (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/PBH_BPH)
Preprofessional

Students interested in health careers requiring strong basic science backgrounds, such as medicine and physician assistant programs, should enroll in the preprofessional specialization.

Additional science coursework is included within the track to help students meet preprofessional course requirements, but this coursework is not required for the health science program unless it appears in bold.

Students should meet with a pre-health advisor in the Academic Advising Center (100 Farrior Hall) and a PHHP advisor to ensure adequate preparation for professional entrance exams and the professional school application process. Students are responsible for ensuring they have the correct prerequisites for the professional program of their choice.

To be on track for the junior year, students must meet the critical-tracking criteria listed below, with beginning with the first fall or spring term. All critical-tracking courses appear in bold. To be considered for admission at the junior level, students must remain on track each fall and spring term, for a total of four semesters.

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

The online application to the BHS program goes live as a link on the BHS website (http://bhs.phhp.ufl.edu) in November. Apply formally to the college by the February 1 deadline. Transfer students must apply separately to UF and to the college so they must submit two different applications.

Off-track UF freshmen and sophomores must speak with a college advisor before registering for the next semester and prior to applying for junior-year admission consideration.

Critical Tracking

Critical Tracking records each student’s progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida Common Course Prerequisites (http://www.flvc.org/cpp/displayRecord.jsp?cip=510000&track=01) may be used for transfer students.

Semester 1

- Complete PSY 2012, and ENC 1101 or ENC 1102 with minimum grades of C
- Complete 9 credits of general education courses, including ENC 1101 or ENC 1102, with minimum grades of C
- 2.3 cumulative GPA on work from all institutions

Semester 2

- Complete ENC 1101 or ENC 1102 with a minimum grade of C
- Complete DEP 3053 or CLP 3144 with a minimum grade of C
- Complete STA 2023 with a minimum grade of C
- Complete 9 additional credits of general education courses for a total of 18
- 2.7 cumulative GPA on work from all institutions

Semester 3

- Complete APK 2105C and BSC 2010 with minimum grades of C
- Complete 9 additional credits of general education courses for a total of 27
- 3.0 GPA required for all critical-tracking courses, based on all attempts
- 3.0 cumulative GPA on work from all institutions

Semester 4

- Complete all general education courses, including IDS 1161 and all state core courses
- Complete the university writing requirement, which must include ENC 3453 or a substitution approved by a PHHP advisor
- Complete 60 cumulative credits
- Complete all critical-tracking courses with no grades below C and with a 3.0 critical-tracking GPA
- 3.0 cumulative GPA on work from all institutions

Model Semester Plan

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td><strong>Semester One</strong></td>
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<tr>
<td>Select one:</td>
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<tr>
<td>ENC 1101</td>
<td>Expository and Argumentative Writing</td>
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<td>(Critical Tracking; State Core Gen Ed Composition; Writing Requirement)</td>
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<tr>
<td>ENC 1102</td>
<td>Argument and Persuasion (Critical Tracking; State Core Gen Ed Composition; Writing Requirement)</td>
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<tr>
<td>MAC 2311</td>
<td>Analytic Geometry and Calculus 1 (Critical Tracking; State Core Gen Ed Mathematics)</td>
<td>4</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology (Critical Tracking; State Core Gen Ed Social and Behavioral Sciences)</td>
<td>3</td>
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<tr>
<td>Gen Ed Social and Behavioral Sciences (Critical Tracking; Sociology recommended)</td>
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| **Semester Two**|                                            | 13      |
| CHM 2045 & 2045L| General Chemistry 1 and General Chemistry 1 Laboratory (State Core Gen Ed Physical Sciences (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursertext)) | 4       |
| Select one:     |                                            |         |
| DEP 3053        | Developmental Psychology (Critical Tracking) | 3       |
| CLP 3144        | Abnormal Psychology (Critical Tracking; Gen Ed Social and Behavioral Sciences) |         |
| ENC 1102        | Argument and Persuasion (Critical Tracking; Gen Ed Composition; Writing Requirement) | 3       |
| IDS 1161        | What is the Good Life (Gen Ed Humanities)  | 3       |
| STA 2023        | Introduction to Statistics 1 (Critical Tracking) | 3       |

Credits: 16
Summer After Semester Two
CHM 2046 General Chemistry 2 and General Chemistry 2 Laboratory (Gen Ed Physical Sciences) 4
& 2046L
Gen Ed Humanities (Critical Tracking) 3
Credits 7
Semester Three
APK 2105C Applied Human Physiology with Laboratory (Critical Tracking; Gen Ed Biological Sciences) 4
BSC 2010 Integrated Principles of Biology 1 4
& 2010L and Integrated Principles of Biology Laboratory 1 (Critical Tracking; Gen Ed Biological Sciences)
ENC 3453 Writing in the Health Professions (Critical Tracking; Writing Requirement) 3
State Core Gen Ed Humanities (http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext) 3
Credits 14
Semester Four
APK 2100C Applied Human Anatomy with Laboratory (may not be required for your career goal) 4
BSC 2011 Integrated Principles of Biology 2 4
& 2011L and Integrated Principles of Biology Laboratory 2 (Gen Ed Biological Sciences)
CHM 2210 Organic Chemistry 1 3
PHY 2053 Physics 1 5
& 2053L and Laboratory for Physics 1 (Gen Ed Physical Sciences)
Credits 16
Summer After Semester Four
Select one or both:
CHM 2211 Organic Chemistry 2 3
& 2211L and Organic Chemistry Laboratory
Select three electives (3000 level) 5-8
Credits 5-8
Semester Five
HSA 3111 U.S. Health Care System 1 3
HSC 3502 Survey of Diseases and Disability 1 3
PHC 4101 Public Health Concepts 1 3
PHY 2054 Physics 2 5
& 2054L and Laboratory for Physics 2 (Gen Ed Physical Sciences)
Elective (3000/4000 level) 3
Credits 17
Semester Six
BCH 4024 Introduction to Biochemistry and Molecular Biology 4
HSC 3057 Research Methods and Issues in Health Science 1 3
HSC 4558 Survey of Diseases and Disabilities 2 1 3
OTH 3416 Pathophysiology 1 3
Credits 13
Semester Seven
HSC 3661 Therapeutic Communication Skills with Patients, Families and the Health Care Team 1 2
HSC 4184 Health Care Leadership: Skills and Styles 1 3
RCS 4415L Therapeutic Communication Skills Laboratory 1 1
Approved college electives 1 6
Elective (3000/4000 level) 3
Credits 15
Semester Eight
HSC 4608L Critical Thinking in Health Care 1 4
HSC 4652L Ethical and Legal Issues in the Health Professions 1 3
Approved college elective 1 3
Electives (3000/4000 level) 4
Credits 14
Total Credits 130-133

1 Minimum grade of C required.

For semesters 5-8, students must enroll in all semesters and take all core courses in the term/order indicated, with the exception of Introduction to Statistics 2, which must be completed by the end of spring term of the junior year.

The health science program requires 120 credits for degree. Students following the preprofessional guidelines will require more than 120 credits and includes all preprofessional coursework.

Academic Learning Compact
The Bachelor of Health Science prepares students for a career in health care systems or organizations that provide health or general human services to individuals/communities with health concerns. Students will learn the foundational interprofessional skills necessary to succeed in the dynamic healthcare environment and/or enter postbaccalaureate academic programs such as medicine, physical therapy and public health.

Before Graduating Students Must
- Receive a satisfactory grade (S) in the BHS capstone portfolio.
- Complete requirements for the baccalaureate degree, as determined by faculty.

Students in the Major Will Learn to Student Learning Outcomes (SLOs)

Content
1. Describe key elements of the U.S. healthcare system.
2. Comprehensively describe major chronic illnesses and disabilities.
3. Describe the core functions of public health.
4. Apply knowledge and application of core bioethical principles to contemporary health issues.
5. Develop appropriate professional behaviors for health careers.

Critical Thinking
6. Develop and apply critical analysis skills to contemporary health issues.

Communication
7. Apply effective basic communication skills for health professionals.

Curriculum Map
I = Introduced; R = Reinforced; A = Assessed

Courses SLO 1 SLO 2 SLO 3 SLO 4 SLO 5 SLO 6 SLO 7
HSA 3111, R
HSC 3055

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<tr>
<td>HSC 4608L</td>
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<td>OTH 3416</td>
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<td>PHC 410</td>
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<td>RCS 4415L</td>
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**Assessment Types**

- Assignment
- The Bachelor of Health Science (BHS) capstone exam in the final semester
- The degree candidate's exit survey