

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-Occupational Therapy (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS07/) | Pre-Physical Therapy (http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS05/) | Preprofessional (p. 1)
- **Credits for Degree:** 120

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

Department Information

The Bachelor of Health Science (BHS) program is a limited access program designed for students whose career goal is to work in the health professions providing service to individuals and communities. BHS students are typically pursuing health related professions such as medicine, physician assistant, physical therapy, occupational therapy, audiology, speech-language pathology, dentistry, epidemiology, or public health.

Website (<https://bhs.phhp.ufl.edu/>)

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Map (<http://campusmap.ufl.edu/#/index/0212>)

Curriculum

- Disability Science Minor
- Health Science
- Health Science Minor

Related Programs

- Public Health

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 combination-degree program in public health.

Specializations

The college offers five 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 combination-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.

Pre-Occupational Therapy

Offers the core health science curriculum plus prerequisites necessary for the Doctor of Occupational Therapy program at UF.

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 affecting 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 BHS.

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 Mathematics and Writing Requirements and Health Science prerequisites. All specializations accept AP, IB, or AICE credit for any prerequisite course. Students must earn a minimum of C in any BHS prerequisite course that is not satisfied by AP/IB/AICE credit.

While students can use AP/IB/AICE credit to satisfy BHS prerequisites, students should be aware that graduate/professional programs may not accept AP/IB/AICE 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.

Preprofessional

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

To be on track for the junior year, students must meet the critical-tracking criteria listed below, beginning with the first Fall or Spring term.

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.
- Complete the following prerequisites or equivalents by the end of the fourth semester.

| Code | Title | Credits |
|-------------------------|--|---------|
| BSC 2010 | Integrated Principles of Biology 1 | 3 |
| PSY 2012 | General Psychology | 3 |
| STA 2023 | Introduction to Statistics 1 | 3 |
| CLP 3144 or DEP 3053 | Abnormal Psychology Developmental Psychology | 3 |
| APK 2105C | Applied Human Physiology with Laboratory | 4 |
| ENC 3453 or ENC 2210 | Writing in the Health Professions Technical Writing | 3 |

The online application to the BHS program goes live as a link on the BHS website (<http://bhs.php.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 (<https://cpm.flvc.org/advance-search/>) 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 9 additional credits of General Education courses for a total of 18
- 2.7 cumulative GPA on work from all institutions

Semester 3

- Complete BSC 2010 and STA 2023 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 DEP 3053 or CLP 3144 with a minimum grade of C
- Complete APK 2105C with a minimum grade of C
- Complete all General Education courses, including a Quest 1 course and all State Core Gen Ed 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

Semester 5

- Complete HSA 3111 with a minimum grade of C
- Complete HSC 3502 with a minimum grade of C
- Complete PHC 4101 with a minimum grade of C

Semester 6

- Complete HSC 3057 with a minimum grade of C
- Complete HSC 4558 with a minimum grade of C
- Complete OTH 3416 with a minimum grade of C
- Complete 3 credits of College Approved Electives

Semester 7

- Complete HSC 3661 with a minimum grade of C
- Complete RCS 4415L with a minimum grade of C
- Complete HSC 4184 with a minimum grade of C

Semester 8

- Complete HSC 4608L with a minimum grade of C
- Complete HSC 4652L with a minimum grade of C
- Complete HSC 4008 with a Satisfactory grade
- Complete 9 credits of College Approved Electives

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.

| Course | Title | Credits |
|--|--|-----------|
| Semester One | | |
| Quest 1 (Gen Ed Humanities) | | 3 |
| 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/#genedcoursestext)) | 4 |
| Select one: | | 3 |
| ENC 1101 | Expository and Argumentative Writing (Critical Tracking ; State Core Gen Ed Composition; Writing Requirement) | |
| ENC 1102 | Argument and Persuasion (Critical Tracking ; State Core Gen Ed Composition; Writing Requirement) | |
| MAC 2311 | Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics) | 4 |
| Credits | | 14 |
| Semester Two | | |
| Quest 2 (Gen Ed Social and Behavioral Sciences; Critical Tracking) | | 3 |
| BSC 2010 & 2010L | Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences) | 4 |
| CHM 2046 & 2046L | General Chemistry 2 and General Chemistry 2 Laboratory (Gen Ed Physical Sciences) | 4 |
| PSY 2012 | General Psychology (State Core Gen Ed Social and Behavioral Sciences (http:// catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext)) | 3 |
| Credits | | 14 |
| Summer After Semester Two | | |
| ENC 1102 | Argument and Persuasion (Critical Tracking ; Gen Ed Composition; Writing Requirement) | 3 |
| STA 2023 | Introduction to Statistics 1 (Critical Tracking ; Gen Ed Mathematics) | 3 |
| Credits | | 6 |
| Semester Three | | |
| BSC 2011 & 2011L | Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 | 4 |
| CHM 2210 | Organic Chemistry 1 | 3 |
| ENC 3453 | Writing in the Health Professions (Critical Tracking ; Writing Requirement) | 3 |
| Select one: | | 3 |
| CLP 3144 | Abnormal Psychology (Critical Tracking ; Gen Ed Social and Behavioral Sciences) | |
| DEP 3053 | Developmental Psychology (Critical Tracking ; Gen Ed Social and Behavioral Sciences) | |
| Credits | | 13 |
| Semester Four | | |
| APK 2105C | Applied Human Physiology with Laboratory (Critical Tracking ; Gen Ed Biological Sciences) | 4 |
| CHM 2211 | Organic Chemistry 2 | 3 |
| State Core Gen Ed Humanities (with Diversity) | | 3 |
| 6000-word writing course (Critical Tracking ; Writing Requirement, with International) | | 3 |
| Additional courses that prepare students for future professional programs are listed, but are not included in the health science program total credit count. | | |
| CHM 2211L | Organic Chemistry Laboratory | |
| Credits | | 13 |
| Semester Five | | |
| HSA 3111 | US Health Care System (Critical Tracking) ¹ | 3 |
| HSC 3502 | Survey of Diseases and Disability (Critical Tracking) ¹ | 3 |
| PHC 4101 | Public Health Concepts (Critical Tracking) ¹ | 3 |
| Select one: | | 4 |
| BCH 4024 | Introduction to Biochemistry and Molecular Biology | |
| BCH 3025 | Fundamentals of Biochemistry | |
| Elective (3000/4000 level) | | 2 |
| Additional courses that prepare students for future professional programs are listed, but are not included in the health science program total credit count. | | |
| Select one: | | |
| APK 2100C | Applied Human Anatomy with Laboratory | |
| PHY 2053 & 2053L | Physics 1 and Laboratory for Physics 1 | |
| Credits | | 15 |

Semester Six

| | | |
|---|--|---|
| HSC 3057 | Research Methods and Issues in Health Science ¹ | 3 |
| HSC 4558 | Survey of Diseases and Disabilities 2 (Critical Tracking) ¹ | 3 |
| OTH 3416 | Pathophysiology (Critical Tracking) ¹ | 3 |
| College Approved Elective (Critical Tracking) | | 3 |
| Elective (3000/4000 level) | | 3 |

Additional courses that prepare students for future professional programs are listed, but are not included in the health science program total credit count.

| | | |
|---------------------|---|-----------|
| Select one: | | |
| AGR 3303 | Genetics | |
| PHY 2054 & 2054L | Physics 2 and Laboratory for Physics 2 | |
| Credits | | 15 |

Semester Seven

| | | |
|--|--|---|
| HSC 3661 | Therapeutic Communication Skills with Patients, Families and the Health Care Team (Critical Tracking) ¹ | 2 |
| HSC 4184 | Health Care Leadership: Skills and Styles (Critical Tracking) ¹ | 3 |
| RCS 4415L | Therapeutic Communication Skills Laboratory (Critical Tracking) ¹ | 1 |
| MCB 3020 & 3020L | Basic Biology of Microorganisms and Laboratory for Basic Biology of Microorganisms | 4 |
| College Approved Elective (Critical Tracking) ¹ | | 3 |
| Elective (3000/4000 level) | | 2 |

Credits **15**

Semester Eight

| | | |
|--|---|---|
| HSC 4008 | Professional Development for the Health Sciences (Critical Tracking) ¹ | 1 |
| HSC 4608L | Critical Thinking in Health Care (Critical Tracking) ¹ | 4 |
| HSC 4652L | Ethical and Legal Issues in the Health Professions (Critical Tracking) ¹ | 3 |
| College Approved Elective (Critical Tracking) ¹ | | 3 |
| Electives (3000/4000 level) | | 4 |

Credits **15**

Total Credits **120**

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.

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 US 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 | I, R | | | | | | |
| HSC 3057 | | | | | | I | |
| HSC 3502 | | I, R | I | | | | |
| HSC 3661 | | | | | | | I, R, A |
| HSC 4184 | | | | | R | | |
| HSC 4558 | | I, R | I | | | | |
| HSC 4608L | R | | | | R | I, R, A | R |
| HSC 4652L | | | I, R | R | | | R |
| OTH 3416 | | I, R | | | | | |
| PHC 4101 | | I, R | I, R | | | I | |
| RCS 4415L | | | | | I | | I |
| Capstone Exam | A | A | A | A | A | A | A |

Assessment Types

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