

# 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:** Applied Brain Science ([http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES\\_BHS/HES\\_BHS08/](http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS08/)) | Occupational Therapy Accelerated ([http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES\\_BHS/HES\\_BHS02/](http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS02/)) | Pre-Rehabilitation ([http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES\\_BHS/HES\\_BHS09/](http://catalog.ufl.edu/UGRD/colleges-schools/UGPBH/HES_BHS/HES_BHS09/)) | 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 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://undergrad.phhp.ufl.edu/>)

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

## Curriculum

- /UGRD/colleges-schools/UGPBH/DSC\_UMN/
- /UGRD/colleges-schools/UGPBH/HES\_UMN/
- Applied Brain Science Minor
- Health Professions Minor
- Health Science

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.

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

## Specializations

The college offers four specializations. All specializations except Occupational Therapy Accelerated can be declared at the freshman or sophomore years.

### Applied Brain Sciences

Offers a suggested prerequisite course sequence for students interested in pursuing training in clinical psychology and neuropsychology, applied human neuroscience, or brain-health focused medical specialties (e.g., psychiatry, neurology).

### 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-Rehabilitation

Accommodates students interested in rehabilitation health care fields (e.g., occupational therapy, physical therapy).

## 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.

## 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.

Each specialization incorporates General Education Mathematics and Writing Requirements and Health Science critical tracking courses. All specializations accept AP, IB, or AICE credit for any prerequisite course. However, many professional schools have their own policies regarding test credit, and it is the responsibility of the student to determine whether a course for which they have earned AP/IB/AICE credit must be retaken to meet professional school requirements. Students must earn a minimum of C in any BHS critical tracking course that is not satisfied by AP/IB/AICE credit unless otherwise specified.

## 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.

To remain in the Health Science major, students must:

- Remain on track each Fall and Spring term, for a total of four semesters.
- Complete the following critical tracking courses or equivalents by the end of the fourth semester:

Code	Title	Credits
APK 2105C or CHM 2045	Applied Human Physiology with Laboratory General Chemistry 1	3-4
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory	4
PSY 2012	General Psychology	3
STA 2023	Introduction to Statistics 1	3

## 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 with a minimum grade of C
- 2.8 cumulative GPA on work from all institutions

## Semester 2

- Complete STA 2023 with a minimum grade of C
- 3.0 GPA required for all critical-tracking courses, based on all attempts
- 3.1 cumulative GPA on work from all institutions

## Semester 3

- Complete BSC 2010 with a minimum grade of C
- 3.0 GPA required for all critical-tracking courses, based on all attempts
- 3.2 cumulative GPA on work from all institutions

## Semester 4

- Complete APK 2105C or CHM 2045 with a minimum grade of C
- Complete 60 cumulative credits

- 3.0 GPA required for all critical-tracking courses and minimum grades of C on all critical-tracking courses, based on all attempts unless otherwise noted.
- 3.2 cumulative GPA on work from all institutions

*All General Education requirements, including State Core, International (N), the University Writing Requirement, and the Civic Literacy requirement, must be completed prior to the graduating semester.*

## Semester 5

- Complete PHC 4101 with a minimum grade of C
- Complete HSA 3111 with a minimum grade of C
- Complete HSC 3057 with a minimum grade of C
- 2.0 UF GPA required

## Semester 6

- Complete HSC 3502 with a minimum grade of C
- Complete OTH 3416 with a minimum grade of C
- 2.0 UF GPA required

## Semester 7

- Complete HSC 3661 with a minimum grade of C
- Complete HSC 4557 with a minimum grade of C
- Complete RCS 4451 with a minimum grade of C
- 2.0 UF GPA required

## Semester 8

- Complete HSC 4608 with a minimum grade of C
- Complete HSC 4652L with a minimum grade of C
- 2.0 UF GPA required

### 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 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
<b>Semester One</b>		
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry Laboratory ( <b>Critical Tracking</b> ; State Core Gen Ed Physical Sciences; must complete CHM 2045 or APK 2105C by the end of Semester Four)	4
ENC 1101	Expository and Argumentative Writing (State Core Gen Ed Composition ( <a href="http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext">http://catalog.ufl.edu/UGRD/academic-programs/general-education/#genedcoursestext</a> ); Writing Requirement)	3
PSY 1212	General Psychology ( <b>Critical Tracking</b> ; State Core Gen Ed Social and Behavioral Sciences)	3
General Education Mathematics course	(MAC 2311 recommended; Gen Ed Mathematics)	4
<b>Credits</b>		<b>14</b>
<b>Semester Two</b>		
Quest 1 (Gen Ed Humanities)		3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Gen Ed Physical Sciences)	4
ENC 1102	Argument and Persuasion (Gen Ed Composition; Writing Requirement)	3
STA 2023	Introduction to Statistics 1 ( <b>Critical Tracking</b> ; State Core Gen Ed Mathematics)	3
General Education Social and Behavioral Sciences	(SYG 2000 recommended)	3
<b>Credits</b>		<b>16</b>

**Semester Three**

BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory ( <b>Critical Tracking</b> ; Gen Ed Biological Sciences)	4
CHM 2210	Organic Chemistry 1	3
State Core Gen Ed Humanities		3
6000-word writing course (Writing Requirement)		3
Elective		1
<b>Credits</b>		<b>14</b>

**Semester Four**

Quest 2 (General Education Social and Behavioral Science)		3
APK 2105C	Applied Human Physiology with Laboratory ( <b>Critical Tracking</b> ; Gen Ed Biological Sciences; must complete APK 2105C or CHM 2045 by the end of Semester 4)	4
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2	4
CHM 2211 & 2211L	Organic Chemistry 2 and Organic Chemistry Laboratory	5
<b>Credits</b>		<b>16</b>

**Semester Five**

HSA 3111	US Health Care System ( <b>Critical Tracking</b> ) <sup>1</sup>	3
HSC 3057	Research Methods and Issues in Health Science ( <b>Critical Tracking</b> ) <sup>1</sup>	3
PHC 4101	Public Health Concepts ( <b>Critical Tracking</b> ) <sup>1</sup>	3
Select one:		4
BCH 3025	Fundamentals of Biochemistry (if pre-PA)	
BCH 4024	Introduction to Biochemistry and Molecular Biology (if pre-Medical or pre-Dental)	
Elective		2
<b>Credits</b>		<b>15</b>

**Semester Six**

HSC 3502	Survey of Diseases and Disability ( <b>Critical Tracking</b> ) <sup>1</sup>	3
OTH 3416	Pathophysiology ( <b>Critical Tracking</b> ) <sup>1</sup>	3
Select one:		4-5
APK 2100C	Applied Human Anatomy with Laboratory (if pre-PA)	
PHY 2053 & 2053L	Physics 1 and Laboratory for PHY 2053 (if pre-Medical or pre-Dental)	
6000-word writing course (Writing Requirement, with International)		3
Elective		2
<b>Credits</b>		<b>15-16</b>

**Semester Seven**

HSC 3661	Therapeutic Communication Skills with Patients, Families and the Health Care Team ( <b>Critical Tracking</b> ) <sup>1</sup>	3
HSC 4557	Medical Pharmacology in Clinical Care ( <b>Critical Tracking</b> ) <sup>1</sup>	3
RCS 4451	Rehabilitation Aspects of Substance Abuse ( <b>Critical Tracking</b> ) <sup>1</sup>	3
Select one:		3-5
AGR 3303 or PCB 3063	Genetics (if pre-PA) or Genetics	
PHY 2054 & 2054L	Physics 2 and Laboratory for PHY 2054 (if pre-Medical or pre-Dental)	
Electives (MCB 3020 & MCB 3020L recommended if pre-PA or pre-Dental)		3
<b>Credits</b>		<b>15-17</b>

**Semester Eight**

HSC 4608	Clinical Diagnosis and Decision Making ( <b>Critical Tracking</b> ) <sup>1</sup>	3
HSC 4652L	Ethical and Legal Issues in the Health Professions ( <b>Critical Tracking</b> ) <sup>1</sup>	3
Electives (HSC 3537 recommended for Pre-PA students)		9
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> 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.

#### Critical Thinking

4. Develop and apply critical analysis skills to contemporary health issues.

#### Communication

5. 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
HSA 3111	I, R				
HSC 3057				I, R, A	
HSC 3502		I, R	I		
HSC 3661					I, R
OTH 3416		I, R			
PHC 4101		I, R	I, R		
Capstone Exam	A	A	A	A	A

## Assessment Types

- Assignment
- The Bachelor of Health Science (BHS) capstone exam in the final semester