The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Admission Requirements

- None

Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1 Required MAC 1105C College Algebra
2 Required STA 2023 Statistical Methods I

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

D: Social Foundations (6 hrs)

Required PSY 2012 General Psychology

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I
Required PHY 2053C College Physics I

MAC 1114C College Trigonometry
PSY 2012 General Psychology
STA 2023 Statistical Methods I

2. Common Program Prerequisites (CPP) (3 hrs)

1 CHM 2045C Chemistry Fundamentals I
1 CHM 2046 Chemistry Fundamentals II
1 CHM 204CL Chemistry Fundamentals Laboratory
1 DEP 2004C Developmental Psychology
1 HUN 2201 Fundamentals of Human Nutrition
1 PHY 2053C College Physics I
1 PHY 2054C College Physics II

Select 1:

1 HSC 2000 Introduction to the Allied Health Professions or
HSC 4008 Professional Development in Health Professions

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
2 For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

3. Core Requirements: Basic Level (20 hrs)

1 CHM 2045C Chemistry Fundamentals I
1 CHM 2046 Chemistry Fundamentals II
1 CHM 204CL Chemistry Fundamentals Laboratory
1 DEP 2004C Developmental Psychology
1 HUN 2201 Fundamentals of Human Nutrition
1 PHY 2053C College Physics I
1 PHY 2054C College Physics II

4. Core Requirements: Advanced Level (29 hrs)

1 Required PHY 2054C College Physics II
1 Required MAC 1105C College Algebra
1 Required STA 2023 Statistical Methods I

1 Students must meet restricted elective credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.

5. Restricted Electives (30 hrs)

- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.

- Students are advised to check the Program’s website for updated information and suggested electives for specific Health Professions Graduate Programs.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2110</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 2111</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2</td>
</tr>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Medical Self Assessment</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3559</td>
<td>Disabilities in American Society</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3593</td>
<td>HIV Disease: A Human Concern</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3432</td>
<td>Occupational Safety for the Health Care Professional</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4008</td>
<td>Professional Development in Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4564</td>
<td>Health Care Needs of the Elderly</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4572</td>
<td>Clinical Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>HSC 4730</td>
<td>Applied Health Research Methodology</td>
<td>3</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>MCB 4503C</td>
<td>Virology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PCB 4605</td>
<td>Endocrinology</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3203C</td>
<td>Upper Extremity Function and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3204C</td>
<td>Lower Extremity Function and Measurement</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3312C</td>
<td>Injury, Management, and Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4400</td>
<td>Medical Sociology</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4</td>
</tr>
<tr>
<td>HSC 4553</td>
<td>Concepts in Pathophysiological Diagnosis</td>
<td>3</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None
7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None
8. Electives
- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.
9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
- 120
Honors In Major
- Interested students should consult with a faculty advisor
Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness
Certificates
- None
Related Minors
- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education
Advising Notes
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.
Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.

Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1011 and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046L) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall
- 15 hrs
- BSC 2010C  Biology I  4 hrs
- MAC 1105C  College Algebra  3 hrs
- ENC 1101  Composition I  3 hrs
- HSC 2000  Introduction to the Allied Health Professions  2 hrs
- GEP Communication  3 hrs

Winter 16 hrs
- ENC 1102  Composition II  3 hrs
- PSY 2012  General Psychology  3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- STA 2023  Statistical Methods I  3 hrs
- GEP Cultural  3 hrs

Freshman Year - Spring
- 16 hrs
- PCB 3703C  Human Physiology  4 hrs
- HUN 2251  Fundamentals of Human Nutrition  3 hrs
- HSC 3733C  Human Anatomy  4 hrs
- GEP Historical  3 hrs

Sophomore Year - Fall
- 14 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- DEP 2004C  Developmental Psychology  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- GEP Social  3 hrs

Sophomore Year - Spring
- 16 hrs
- PCB 3703C  Human Physiology  4 hrs
- HUN 2251  Fundamentals of Human Nutrition  3 hrs
- HSC 3147  Introduction to Pharmacology  3 hrs
- MAC 1114C  College Trigonometry  3 hrs
- GEP Social  3 hrs

Junior Year - Fall
- 16 hrs
- PHY 2053C  College Physics I  4 hrs
- HSC 4555  Pathophysiology I  3 hrs
- HSC 3211  Preventive Health Care  3 hrs
- HSC 4652  Health Law and Ethics  3 hrs
- GEP Social  3 hrs

Junior Year - Spring
- 16 hrs
- PHY 2054C  College Physics II  4 hrs
- HSC 4558  Pathophysiology II  3 hrs
- HSC 4501  Epidemiology of Chronic Diseases  3 hrs
- Restricted Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Catalog 2015-2016
Select 1
HSC 4730  Applied Health Research Methodology or 3 hrs
HSA 4702  Health Sciences Research Methods 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/academiclearningcompacts.html