

UCF Degree Programs

Health Sciences (B.S.)

College of Health and Public Affairs

Department of Health Professions,

Health and Public Affairs I, Room: 124

<http://www.cohpa.ucf.edu/hp/hs/>

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The Bachelor of Science degree in Health Sciences 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 who choose the Health Sciences track are required to have an overall GPA of 2.5 or better upon graduation. Students who select the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track.

Admission Requirements

- None

Degree Requirements

- Students who change programs and select this major must adopt the most current catalog.
- Students in the Health Sciences track must achieve at least 2.5 overall GPA for graduation.
- Students in the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track. Students who fail to maintain a minimum overall GPA of 3.0 cannot remain in the Pre-Clinical track and must change to the Health Sciences track.
- 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.
- No transfer course will be accepted with a grade lower than a "C" (2.0).

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required STA 2023 Statistical Methods I 3 hrs

Select 1: (3 hrs)

Prefer MAC 1114C College Trigonometry or 3 hrs

Suggested MAC 2233 Concepts of Calculus or 3 hrs

Suggested MAC 2253 Applied Calculus or 3 hrs

Suggested MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)

BSC 2010C Biology I GEP

BSC 2011C Biology II 4 hrs

PSY 2012 General Psychology GEP

STA 2023 Statistical Methods I GEP

CHM 2045C Chemistry Fundamentals I GEP

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

PCB 3703C Human Physiology 4 hrs

ZOO 3733C Human Anatomy 4 hrs

Select 1:
 MAC 1114C College Trigonometry or GEP
 MAC 2233 Concepts of Calculus or GEP
 MAC 2253 Applied Calculus or GEP
 MAC 2311C Calculus with Analytic Geometry I GEP

Complete one physics sequence

PHY 2053C College Physics I and 4 hrs
 PHY 2054C College Physics II 4 hrs

or
 PHY 2048C General Physics Using Calculus I and 4 hrs
 PHY 2049C General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (6 hrs)

HUN 2201 Fundamentals of Human Nutrition 3 hrs

Select 1: (3 hrs)

HSC 2524 Introduction to Human Disease or 3 hrs

HSC 2000 Introduction to Careers in Health Professions 3 hrs

4. Core Requirements: Advanced Level (24 hrs)

HSC 3147 Introduction to Pharmacology 3 hrs

HSC 3211 Preventive Health Care 3 hrs

HSC 4555 Pathophysiology I 3 hrs

HSC 4558 Pathophysiology II 3 hrs

HSC 4501 Epidemiology of Chronic Diseases 3 hrs

HSC 4730 Applied Health Research Methodology 3 hrs

HSC 4572 Clinical Nutrition 3 hrs

HSC 4930 Senior Seminar 3 hrs

5. Restricted Electives (28 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.

- Students must meet restricted elective credit hour requirements and UCF's 48 upper division credit hour requirements.

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

- It is the student's responsibility to check with graduate programs to meet prerequisites.

Health Sciences Track (28 hrs)

- Students in the Health Sciences track must achieve at least 2.5 overall GPA for graduation.

Select at least one course (3 hrs)

HSC 3110 Medical Self Assessment or 3 hrs

HSC 3432 Occupational Safety for the Health Care 3 hrs

Professional or

HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs

Additional electives for Health Sciences track (25 hrs)

CHM 2210 Organic Chemistry I 3 hrs

CLP 3143 Abnormal Psychology 3 hrs

CLP 4314 Health Psychology 3 hrs

COM 3022 Health Communication 3 hrs

COM 4550 Health Communication Campaigns 3 hrs

ENC 3453 Writing About Health and Medicine 3 hrs

HSA 3111 U.S. Health Care Systems 3 hrs

HSA 3012 Issues & Trends in Public Health 3 hrs

HSC 3537 Medical Terminology 3 hrs

HSC 3559 Disabilities in American Society 3 hrs

HSC 4008 Professional Development in Health Professions 3 hrs

HSC 4201 Community Health 3 hrs

HSC 4564 Health Care Needs of the Elderly 3 hrs

MCB 4276 Epidemiology of Infectious Diseases 3 hrs

MCB 3020C General Microbiology 5 hrs

PCB 3063 Genetics 3 hrs

PCB 3063L Genetics Laboratory 1 hr

PCB 3233 Immunology 3 hrs

PCB 3233L Immunology Laboratory 1 hr

SYO 4400 Medical Sociology 3 hrs

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Pre-Clinical Track

28 hrs

■ Students in the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track. Students who fail to maintain a minimum overall GPA of 3.0 cannot remain in the Pre-Clinical track and must change to the Health Sciences track.

Select at least one course

3 hrs

HSC 4943	Health Sciences Internship or	3 hrs
HSC 4553	Concepts in Pathophysiological Diagnosis	3 hrs

Additional electives for Pre-Clinical track

25 hrs

BCH 4024	Medical Biochemistry	4 hrs
BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
CHM 2210	Organic Chemistry I	3 hrs
CHM 2211	Organic Chemistry II	3 hrs
CHM 2211L	Organic Laboratory Techniques I	2 hrs
CLP 3143	Abnormal Psychology	3 hrs
CLP 4314	Health Psychology	3 hrs
COM 3022	Health Communication	3 hrs
COM 4550	Health Communication Campaigns	3 hrs
HSC 4008	Professional Development in Health Professions	3 hrs
HSC 3537	Medical Terminology	3 hrs
MCB 3020C	General Microbiology	5 hrs
PCB 3063	Genetics	3 hrs
PCB 3063L	Genetics Laboratory	1 hr
MCB 3202	Principles of Infectious Disease	3 hrs
MCB 3203	Pathogenic Microbiology	3 hrs
MCB 3203L	Pathogenic Microbiology Lab	1 hr
MCB 4276	Epidemiology of Infectious Diseases	3 hrs
PCB 3233	Immunology	3 hrs
PCB 3233L	Immunology Laboratory	1 hr
PCB 4805	Endocrinology	3 hrs
SYO 4400	Medical Sociology	3 hrs
ATR 3203C	Upper Extremity Function and Measurement	3 hrs
ATR 3204C	Lower Extremity Function and Measurement	3 hrs
ATR 3312C	Injury, Management, and Rehabilitation	3 hrs
PET 3510C	Physiologic & Metabolic Basis of Human Movement & Performance	3 hrs
PET 4315C	Biomechanics of Sport	3 hrs
PET 4606	Applied Fitness in Sport	3 hrs
PHT 3122	Clinical Kinesiology	3 hrs
ZOO 3744	Neurobiology	3 hrs
ZOO 4743C	Clinical Neuroanatomy and Neuroscience	4 hrs

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 in the Health Sciences track must achieve at least 2.5 overall GPA for graduation.

■ Students in the Pre-Clinical track must maintain a minimum overall GPA of 3.0 to stay in this track. Students who fail to maintain a minimum overall GPA of 3.0 cannot remain in the Pre-Clinical track and must change to the Health Sciences track.

■ 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 27 hours of upper-division Health Sciences courses from the UCF Health Sciences program to obtain the UCF degree in Health Sciences.

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

■ Biomedical Sciences

Certificates

■ None

Related Minors

■ Biomedical Sciences

■ Biology

■ Science Education

■ Business

■ Education

■ Health Informatics and Information Management

■ Health Services Administration

■ Psychology

■ Chemistry

Advising Notes

■ Students should consult with a college advisor each semester.

■ Students should consult with the Office of Pre-Health and Pre-Law Advising before making application to a graduate program.

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 2046) 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.

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- 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	16 hrs
BSC 2010C Biology I	4 hrs
MAC 1114C College Trigonometry	3 hrs
ENC 1101 Composition I	3 hrs
PSY 2012 General Psychology	3 hrs
GEP Communication	3 hrs

Freshman Year - Spring	16 hrs
ENC 1102 Composition II	3 hrs
CHM 2045C Chemistry Fundamentals I	4 hrs
STA 2023 Statistical Methods I	3 hrs
GEP Cultural	3 hrs

Select 1:	3 hrs
HSC 2000 Introduction to Careers in Health Professions or	3 hrs
HSC 2524 Introduction to Human Disease	3 hrs

Sophomore Year - Fall	15 hrs
BSC 2011C Biology II	4 hrs
CHM 2046 Chemistry Fundamentals II	3 hrs
CHM 2046L Chemistry Fundamentals Laboratory	1 hr
ZOO 3733C Human Anatomy	4 hrs
GEP Historical	3 hrs

Sophomore Year - Spring	16 hrs
PCB 3703C Human Physiology	4 hrs
HUN 2201 Fundamentals of Human Nutrition	3 hrs
HSC 3147 Introduction to Pharmacology	3 hrs
GEP Historical	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 4572 Clinical Nutrition	3 hrs
Restricted Elective	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
HSC 4730 Applied Health Research Methodology	3 hrs
Restricted Elective	3 hrs

Senior Year - Fall	13 hrs
HSC 4930 Senior Seminar	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	3 hrs
Restricted Elective	1 hr

Senior Year - Spring	12 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.oaas.ucf.edu/aic/academic_learning_compacts.htm