

Bachelor of Science Health Sciences – Pre-Therapy and Pre-Physician Assistant Science Options

INFORMATION

The Bachelor of Science in Health Sciences is designed for students who are interested in pursuing a health-related career. The program curriculum promotes the importance of culture and ethical considerations relevant to all aspects of health care practice.

The curriculum is designed to allow students the flexibility to plan a course of study that best suits their professional and educational needs. The five tracks offered are designed to help students prepare to enter a specific health care field, or to develop skills and knowledge that will prepare them to work in health care. Cleveland State's rigorous program is centered on excellent, caring faculty. The program is unique in that it offers advanced courses not usually offered in most undergraduate programs, including Advanced Research and Writing, Culture and Health Care, Functional Performance of Older Adults, Pathology, Gross Anatomy and Neuroscience.

CAREER OPPORTUNITIES

A Bachelor of Science in Health Sciences, in some health science fields, serves as a pre-professional preparation for the graduate degree required for working in a particular field (such as physical therapy, occupational therapy, podiatry, physician assistant, medicine, dental and others). Baccalaureate graduates can find immediate employment as a group home staff member, clinical research assistant, quality assurance staff, case manager, or activity director. The present and future employment outlook in most health science fields is excellent, with a growth rate much faster than the national average.

PROGRAMS

BACHELOR OF SCIENCE (B.S.) IN HEALTH SCIENCES:

Pre-Therapy Track: For students interested in pursuing careers in physical therapy or occupational therapy. Students in this track choose either a physical therapy or occupational therapy area of interest, taking pre-professional undergraduate courses that meet admission requirements for the Master of Occupational Therapy or the Doctor of Physical Therapy programs at Cleveland State.

Pre-Physician Assistant Science Track: For students interested in pursuing Physician Assistant Program offered by the Master of Science in Health Sciences Program and Cuyahoga Community College.

General Interest Track: For students interested in health-related careers who are uncertain which profession they prefer or who would like to design their own course of study targeting their interests, such as pre-med or pre-dental studies. See the general interest option sheet for more information.

Associate Degree/Bachelor of Science Completion Track: For students already holding associate degrees in health-related fields who wish to complete a B.S. in Health Sciences. Students design their own course of study (minimum 53 credit hours) in an area of emphasis with an advisor. An articulation agreement with Cuyahoga Community College allows associate degree recipients in more than 20 health care fields to seamlessly transfer courses that may be applied to the Health Sciences major, usually with an additional two years of study to complete all requirements. See the Associate degree completion option sheet for more information.

BACHELOR OF SCIENCE (B.S.) IN HEALTH SCIENCES/

DOCTORATE OF PODIATRIC MEDICINE: Offered with the Ohio College of Podiatric Medicine (OCPM) and consisting of 3 years of pre-professional study at Cleveland State University. Qualified students then complete 4 years of study at the professional and clinical level at the OCPM to receive the degree of Doctor of Podiatric Medicine. Admission to OCPM is competitive and is not guaranteed. Upon completion of the required course work during their first year of study at OCPM, students may apply for a B.S. in Health Sciences. For more information, see the Podiatric Medicine program sheet.

The Department of Health Sciences also offers a **Gerontological Studies Certificate** as well as a **Culture, Communication and Health Care Certificate**. In order to graduate with honors in Health Sciences, students must apply for acceptance into the upper Division Honors Program and complete courses in one of the Research, Clinical, or Cultural Competency tracks.

Engaged learning experiences are encouraged and include internships at many health care facilities or community agencies in Northeast Ohio or international experiences relevant to health care. All majors receive individual advising.

For more information, contact:

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Bachelor of Science

Health Sciences – Pre-Therapy and Pre-Physician Assistant Options

Requirements of the College of Science: A minimum of 128 credit hours is required for a Bachelor of Science (B.S.) degree, of which 42 semester credit hours must be earned in 300- and/or 400-level courses. Introduction to University Life (one credit hour) is required for all newly admitted freshmen (not required for transfer students).

General Education Requirements: All degree-seeking students are required to meet general education requirements. Students are responsible for ensuring that courses chosen satisfy these requirements and are encouraged to consult with their academic advisor. A comprehensive description of the requirements is available online at <http://www.csuohio.edu/academic/gened>.

Courses required for the B.S. in Health Sciences (credit hours in parentheses):

Students pursuing a B.S. in Health Sciences must earn grades of "C" or above in order for courses to count toward satisfying the requirements for the health sciences major.

Required Core Courses:

HSC 200 Introduction to Health Careers (3) (waived for Tri-C 2 + 2 students and not required for Pre-Podiatry)

HSC 203 Medical Terminology (1)

HSC 305 Culture and Health Care (3)

PSY 311 Behavioral Science Statistics (4) OR MTH 347 Applied Statistics (4)

PHL 240 Health Care Ethics (3) (see advisor for acceptable substitutes)

Capstone Project (all tracks except Pre-Podiatry): Pre-PT and Pre-PA students must complete HSC 484 Advanced Research and Writing. All other tracks may select from HSC 484 and HSC 486 Career Experience Capstone plus CSC 321 Employment Strategies. Honors students may complete HSC 440H or 441H.

Pre-Therapy Additional Requirements (for both Pre-OT and Pre-PT interest):

BIO 200/201 Introductory Biology I/Lab (4)

HSC 475/457 Human Gross Anatomy/Lab (6)

HSC 381 Pathology (4)

HSC 476/478 Neuroscience/Lab (5)

HSC 422 Physiology for the Clinical Sciences (4) (or BIO 422/423)

Pre-Occupational Therapy Interest Additional Requirements:

PSY 101 Introduction to Psychology (4)

AND 18 credit hours in an error of emphasis (a minor in psychology, communication, or anthropology; or a certificate in bioethics is recommended)

PSY 223 Life Span Development (4)

PSY 345 Abnormal Psychology (4)

Students may sign an Intent to Enroll in the Master of Occupational Therapy Program Form as early as the end of freshman year if they have an overall G.P.A. of 3.0 or above.

Pre-Physical Therapy Interest Additional Requirements:

CHM 251/256 College Chemistry I/Lab (4)

PHY 222 College Physics II (5)

CHM 252/257 College Chemistry II/Lab (4)

HSC 484 Advanced Research and Writing in Health Science (5)

PHY 221 College Physics I (5)

TWO Social or Behavioral Science courses

Pre-Physician Assistant Science Requirements:

BIO 200/201 Introductory Biology I/Lab (4)

CHM 262/267 (or 262H/267H) General Chemistry II/Lab (5)

BIO 202/203 Introductory Biology II/Lab (4)

CHM 331/336 Organic Chemistry I/Lab (6)

BIO 264/265 Microbiology/Lab (4)

HSC 484 Advanced Research and Writing in Health Science (5)

BIO 266/267 Anatomy and Physiology I/Lab (4)

PSY 101 Introduction to Psychology (4)

BIO 268/269 Anatomy and Physiology II/Lab (4)

AND 8 additional credits of electives (for a minimum of 53)

CHM 261/266 General Chemistry I/Lab (5)

Application to the PA program also requires completion of a minimum of 40 hours of shadowing a physician assistant.

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