

PRE-CHIROPRACTIC MEDICINE

Introduction

Students interested in a career in chiropractic medicine may pursue any major along with completing specific prerequisites. Chiropractic medical schools typically require a minimum of 90 credit hours to be completed at the undergraduate level prior to beginning chiropractic studies and many prefer the bachelor degree be completed. Students must gain a thorough understanding of the profession through a range of shadowing experiences. Students should work with the Pre-Health advisor to select appropriate coursework based on their schools of interest and plan appropriate co-curricular experiences. In addition to the information in this section, please check the general information at the pre-medical and pre-health section of the catalog (<http://catalog.canisius.edu/undergraduate/academics/curricular-information/pre-professional-programs/pre-medical-pre-health-professions/>).

Guaranteed Admission Program

Canisius students in the Sports and Exercise Health Care major meeting all requirements are guaranteed admissions to the D'Youville University Doctor of Chiropractic (DC) program. Contact the Pre-Medical Center for specific requirements for this program.

Recommended Pre-Chiropractic Medicine Courses

Academic admission requirements vary by school and are typically flexible, but include a minimum of 24 credit hours in life and physical science courses with laboratories. Life sciences include branches of science such as biology and ecology which study structural and functional organization of living organisms and their relationship to each other and the environment. A physical science is any of several branches of science, such as chemistry and physics, that study the nature and properties of energy and nonliving matter. Included in this category are movement science coursework such as kinesiology and exercise physiology.

Typical coursework includes the following:

Biology

At least one year of general biology with laboratory:

Code	Title	Credits
BIO 111 & 111L	Introductory Biology I and Introductory Biology Laboratory I	4
BIO 112 & 112L	Introductory Biology II and Introductory Biology Laboratory II	4

Chemistry

One year of general chemistry and one semester of organic chemistry with laboratories:

Code	Title	Credits
CHM 111 & 111L	General Chemistry I and General Chemistry I Laboratory	4
CHM 112 & 112L	General Chemistry II and General Chemistry II Laboratory	4

CHM 227 & 227L	Organic Chemistry I and Organic Chemistry I Laboratory	4
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Physics

One semester of introductory physics with laboratory. A student's major may dictate the option they should select:

Code	Title	Credits
PHY 201 & 201L	College Physics I and College Physics I Laboratory	4
or PHY 223 & 223L	General Physics for Physical Science Majors I and General Physics for Physical Science Majors I Laboratory	

Mathematics

One semester of statistics is required and one semester of calculus is recommended as a prerequisite for physics.

Code	Title	Credits
Statistics		
PSY 201	Basic Statistics for Behavioral Sciences	3
		or
		4
or MAT 141	Inferential Statistics and Computers for Science	
or KIN 398	Statistics and Research Design	
Calculus		
MAT 111	Calculus I	4

Additional Pre-Chiropractic Medicine Courses

Courses selected from the following are helpful preparation for chiropractic studies:

One year of anatomy and physiology with laboratory (BIO 114/BIO 114L-BIO 115/BIO 115L or BIO 324/BIO 324L & BIO 340/BIO 340L).

One semester of biochemistry in either the Biology Department (BIO 211-BIO 212) or the Chemistry Department (BCH 301-BCH 302). Note that CHM 228 must be completed prior to BCH 301.

Kinesiology (KIN 235).

Exercise Physiology (KIN 336, KIN 336L).

Coursework in psychology and sociology.

Coursework in business.

Elective Courses

HRP 101 allows students to explore different health professions.

HRP 111 introduces students to medical terminology.

HRP 201 and HRP 202 allow students to explore areas of medicine in more depth.

HRP 498 is an internship in medical informatics. A medical scribe internship in neurology is also available.

HRP 498A is a medical service learning trip.