PRE-HEALTH PROFESSIONAL CURRICULA

Preparation for admission to professional schools is provided at both the Chicago and Schaumburg campuses in the following programs: pre-medical, pre-dental, pre-pharmacy, pre-physician assistant, pre-physical therapy, pre-occupational therapy, pre-optometry, pre-podiatry and pre-veterinary.

Pre-professional health is not considered a major, minor or concentration. Therefore, students wishing to fulfill the requirements for preparation for professional school in addition to those for a BA or BS degree should declare their pre-professional status to their advisor as early as possible.

This information will make it easier for your academic advisors to provide you with the guidance you need in preparing for the course requirements, standardized tests and application processes involved in successfully entering these careers. The pre-professional designation will not appear on your official transcript, but it will appear on your advising records.

In addition to completing the pre-professional designation form, pre-professional students should see a pre-professional advisor at Roosevelt University as soon as possible. Some professional schools, such as pharmacy, admit students who have not received an undergraduate degree. In these cases, it is sometimes possible to attain a bachelor's degree upon completing three years (90 SH) of work at Roosevelt University and one year in a professional school, provided the appropriate courses are chosen. The pre-professional advisor will help students plan their programs to meet the requirements for both degrees in the shortest time possible.

Pre-Chiropractic Curriculum

REQUIREMENTS

Courses required for admission to chiropractic schools are quite similar, although each chiropractic school sets its own requirements. The pre-chiropractic curriculum at Roosevelt University meets the entrance requirements for most chiropractic schools in the United States. The general courses required for admission to chiropractic schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (highly recommended)	3
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab, highly recommended)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab, highly recommended)	4
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	5
CHEM 202	GENERAL CHEMISTRY II (with lab)	5
CHEM 211	ORGANIC CHEMISTRY I (with lab)	5
CHEM 212	ORGANIC CHEMISTRY II (with lab)	5
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
SOC 101	INTRODUCTION TO SOCIOLOGY	3
COMM 101	PUBLIC SPEAKING (highly recommended)	3
Total Credit Hours		**59**

For the student who expects to complete a degree in four years and go directly into chiropractic school, the pre-chiropractic curriculum through must be completed by the first semester of senior year of college. There currently is no standard admissions test for chiropractic school admission. **As noted above, the pre-chiropractic curriculum given above should be considered the minimum science preparation for a health professions school.** You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Chiropractic careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Dentistry Curriculum

REQUIREMENTS

Courses required for admission to dentistry schools are quite similar, although each dentistry school sets its own requirements. The pre-dental curriculum at Roosevelt University meets the entrance requirements for most dental schools in the United States. The general courses required for admission to dental schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (highly recommended)	3
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab)	4
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 360	MICROBIOLOGY (with lab, highly recommended)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
MATH 231	CALCULUS I	5
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
PSYC 103	INTRODUCTORY PSYCHOLOGY (highly recommended)	3
Total Credit Hours		**62**

For the student who expects to complete a degree in four years and go directly into dental school, the pre-dental curriculum through Organic Chemistry must be completed by the end of the junior year of college. The Dental Admission Test Program (DAT) requires the completion of one year of biology, one year of general chemistry and one year of organic chemistry. The physics and advanced biology are necessary for entrance into dental school, but will not be tested on the DAT. The typical four-year

curriculum for a pre-dental student mirrors the curriculum of a premedical student. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **As noted above, the pre-dental curriculum given above should be considered the minimum science preparation for a health professions school.** You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Dental careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Medicine Curriculum

REQUIREMENTS

Courses required for admission to medical schools are quite similar, although each medical school sets its own requirements. Medical schools require applicants to have completed the pre-medical curriculum prior to application. The premedical curriculum at Roosevelt University meets the entrance requirements for most medical schools in the United States. The courses required for admission to medical schools, with few exceptions, include the courses below.

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY	3
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 360	MICROBIOLOGY (with lab, highly recommended)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
MATH 231	CALCULUS I (highly recommended)	5
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
SOC 101	INTRODUCTION TO SOCIOLOGY	3
Total Credit Hours		**60**

For the student who expects to complete a degree in four years and go directly into medical school, the pre-medical curriculum must be completed by the end of the junior year of college. The Medical College Admission Test (MCAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics, one course each in psychology and sociology. One course in biochemistry is highly recommended before completing the MCAT.

These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **The pre-medical curriculum given above should be considered the minimum science preparation for a health professions school.** You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences. Students interested in medicine careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences.

Pre-Occupational Therapy Curriculum

REQUIREMENTS

Courses required for admission to occupational therapy schools are quite diverse, although there are some common core pre-requisites for occupational therapy schools. As a result, it is extremely important to check the course recommendations of the schools to which you are applying to assist in your course planning. The general courses required for admission to occupational therapy schools include the following:

Code	Title	Credit Hours
Core		
ALH 119	INTRODUCTION TO MEDICAL TERMINOLOGY	3
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab)	4
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
PSYC 201	ABNORMAL PSYCHOLOGY	3
PSYC 254	CHILDHOOD AND ADOLESCENCE	3
PSYC 339	ADULT DEVELOPMENT	3
SOC 101	INTRODUCTION TO SOCIOLOGY	3
PSYC 200	INTRODUCTORY STATISTICS	3
or MATH 217	ELEMENTARY STATISTICS	
Total Credit Hours		**29**

For the student who expects to complete a degree in four years and go directly into occupational therapy school, the pre-occupational therapy curriculum through must be completed by the first semester of senior year of college. The standard admission test for occupational therapy is the Graduate Record Exam (GRE). There are no pre-requisites to take the GRE, however, typically students take this exam in the summer after their junior year. **As noted above, the pre-occupational therapy curriculum given above should be considered the minimum science preparation for a health professions school.** Some schools require additional course work in chemistry and physics.

Students interested in Occupational Therapy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Optometry Curriculum

REQUIREMENTS

Courses required for admission to optometry schools are quite similar, although each optometry school sets its own requirements. The pre-optometry curriculum at Roosevelt University meets the entrance requirements for most optometry schools in the United States. The general courses required for admission to optometry schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (highly recommended)	3
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5

BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 351	GENERAL GENETICS (with lab, highly recommended)	5
BIOL 360	MICROBIOLOGY (with lab)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
MATH 231	CALCULUS I	5
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
PHYS 233	CALCULUS-BASED PHYSICS I DISCUSSION	1
PHYS 234	CALCULUS-BASED PHYSICS II DISCUSSION	1
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
COMM 101	PUBLIC SPEAKING	3
Total Credit Hours		**67**

For the student who expects to complete a degree in four years and go directly into optometry school, the pre-optometry curriculum must be completed by the end of the junior year of college. The Optometry Admission Test Program (OAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics and one semester of calculus. The typical four-year curriculum for a pre-optometry student mirrors the curriculum of a pre-medical student. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **As noted above, the pre-optometry curriculum given above should be considered the minimum science preparation for a health professions school.** You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Optometry careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Pharmacy Curriculum

REQUIREMENTS

Courses required for admission to pharmacy schools are quite similar, although each pharmacy school sets its own requirements. The pre-pharmacy curriculum at Roosevelt University meets the entrance requirements for most pharmacy schools in the United States. The general courses required for admission to pharmacy schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (Highly recoomended)	3
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab)	4
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 360	MICROBIOLOGY (with lab, highly recommended)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
MATH 231	CALCULUS I	5
PHYS 201	PHYSICS I	4
ECON 101	PRINCIPLES OF ECONOMICS I	3
or ECON 102	PRINCIPLES OF ECONOMICS II	
COMM 101	PUBLIC SPEAKING	3
Total Credit Hours		**64**

For the student who expects to complete a degree in four years and go directly into pharmacy school, the pre-pharmacy curriculum through Organic Chemistry must be completed by the end of the junior year of college. The Pharmacy College Admission Test Program (PCAT) requires the completion of one year of biology, one year of general chemistry and one year of organic chemistry. The physics and advanced biology are necessary for entrance into pharmacy school, but will not be tested on the PCAT. The typical four-year curriculum for a pre-pharmacy student mirrors the curriculum of a premedical student. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **As noted above, the pre-pharmacy curriculum given above should be considered the minimum science preparation for a health professions school.** You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Pharmacy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Physical Therapy Curriculum

REQUIREMENTS

Courses required for admission to physical therapy schools are quite similar, although each school sets its own requirements. The pre-physical therapy curriculum at Roosevelt University meets the entrance requirements for most physical therapy schools in the United States. The general courses required for admission to physical therapy schools include the following:

Code	Title	Credit Hours
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab)	4
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4

CHEM 202	GENERAL CHEMISTRY II (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
MATH 231	CALCULUS I	5
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
PSYC 201	ABNORMAL PSYCHOLOGY	3
Total Credit Hours		**52**

For the student who expects to complete a degree in four years and go directly into physical therapy school, the pre-physical therapy curriculum must be completed by the end of the first semester of senior year of college. The standard admission test for occupational therapy is the Graduate Record Exam (GRE). There are no pre-requisites to take the GRE, however, typically students take this exam in the summer after their junior year. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **As noted above, the pre-physical therapy curriculum given above should be considered the minimum science preparation for a health professions school.** You may decide to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Physical Therapy careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Physician Assistant Curriculum

REQUIREMENTS

Courses required for admission to physician assistant schools are quite similar, although each school sets its own requirements. The pre- physician assistant curriculum at Roosevelt University meets the entrance requirements for most physician assistant schools in the United States. The general courses required for admission to physician assistant schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY	3
BIOL 123	ANATOMY &PHYSIOLOGY I (with lab)	4
BIOL 124	ANATOMY &PHYSIOLOGY II (with lab)	4
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 360	MICROBIOLOGY (with lab)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
Total Credit Hours		**48**

Pre-Podiatry Curriculum

REQUIREMENTS

Courses required for admission to podiatry schools are quite similar, although each podiatry school sets its own requirements. Podiatry schools require applicants to have completed the pre-medical curriculum prior to application. The pre-podiatry curriculum at Roosevelt University meets the entrance requirements for most podiatry schools in the United States. The courses required for admission to podiatry schools, with few exceptions, include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (highly recommended)	3
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
MATH 217	ELEMENTARY STATISTICS	3
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
PSYC 103	INTRODUCTORY PSYCHOLOGY	3
SOC 101	INTRODUCTION TO SOCIOLOGY	3
Total Credit Hours		**50**

For the student who expects to complete a degree in four years and go directly into podiatry school, the pre-podiatry curriculum must be completed by the end of the junior year of college. The Medical College Admission Test (MCAT) requires the completion of one year of biology, one year of general chemistry, one year of organic chemistry, one year of physics, one course each in psychology and sociology. One course in biochemistry is highly recommended before completing the MCAT. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **The pre-podiatry curriculum given above should be considered the minimum science preparation for a health professions school.** You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Podiatry careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.

Pre-Veterinary Medicine Curriculum

REQUIREMENTS

Courses required for admission to veterinary schools are quite similar, although each veterinary school sets its own requirements. Veterinary schools require applicants to have completed the pre- veterinary curriculum prior to application. The pre-veterinary curriculum at Roosevelt University meets the entrance requirements for most veterinary schools in the United States. The courses required for admission to medical schools include the following:

Code	Title	Credit Hours
BCHM 355	BIOCHEMISTRY (highly recommended)	3
BIOL 201	ORGANISMIC BIOLOGY (with lab)	5
BIOL 202	ECOLOGY, EVOLUTION, AND GENETICS (with lab)	4
BIOL 301	CELLULAR &MOLECULAR BIOLOGY (with lab)	5
BIOL 360	MICROBIOLOGY (with lab, highly recommended)	5
CHEM 201	GENERAL CHEMISTRY I (with lab)	4
CHEM 202	GENERAL CHEMISTRY II (with lab)	4
CHEM 211	ORGANIC CHEMISTRY I (with lab)	4
CHEM 212	ORGANIC CHEMISTRY II (with lab)	4
PHYS 201	PHYSICS I (with lab)	4
PHYS 202	PHYSICS II (with lab)	4
Total Credit Hours		**46**

For the student who expects to complete a degree in four years and go directly into veterinary school, the pre- veterinary curriculum must be completed by must be completed by the end of the first semester of senior year of college. The standard admission test for occupational therapy is the Graduate Record Exam (GRE). There are no pre-requisites to take the GRE, however, typically students take this exam in the summer after their junior year. These courses serve as a common denominator between applicants and are also the foundation upon which students build once in a professional school. **The pre-veterinary curriculum given above should be considered the minimum science preparation for a health professions school.** You should strive to take additional upper division biology and chemistry courses to strengthen your background in the sciences, especially if you elect a major in the humanities or social sciences.

Students interested in Veterinary Medicine careers should seek early guidance from an advisor in the Department of Biological, Chemical, and Physical Sciences. Check the science course recommendations of the schools to which you are applying to assist in your course planning.