# Academic Planning Guide - Pre Professional: <u>Dentistry, Medicine, Optometry and Veterinary Science</u>

## North Park University

effective with 2014-2015 Catalog

This planning guide indicates ONLY the pre-professional courses. The student will need to refer to the Academic Planning Guide for the major they intend to pursue for more direction concerning core curriculum and major requirements.

#### Pre-Professional Requirements: Dentistry, Medicine, Optometry and Veterinary Science

Required Semester Hours: 52 semester nours, minimum		
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BIOL 1250: Introduction to Human Anatomy (4) - meets Life Science Requirement		
BIOL 1260: Cell Biology (4)		
BIOL 1270: Introduction to Zoology (2)		
BIOL 1280: Introduction to Botany (2)		
BIOL 2930: Advanced Human Physiology (4)		
CHEM 1150: Introduction to Chemistry I (4) - meets Physical Science Requirement		
CHEM 1160: Introduction to Chemistry II (4)		
CHEM 2310: Organic Chemistry I (4)		
CHEM 2320: Organic Chemistry II (4)		
PHEN 1210: Introductory Physics I (4)		
PHEN 1220: Introductory Physics II (4)		
One from the following		
BIOL 3210: Genetics (4)		
BIOL 3230: Molecular Biology (4)		
Two from the following		
BIOL 2910: Microbiology (4)		
BIOL 3140: Histology (4)		
BIOL 3510: Embryology (4)		

#### Notes:

The University offers pre-professional programs in dentistry, medicine, optometry and veterinary science. These programs are not major areas in the strict sense, but are sequence of courses, which will establish an adequate foundation for entry into graduate professional study. Students who are contemplating entry into graduate professional programs in the health fields will understand the increasingly competitive nature of this field. North Park provides advisory services and foundation courses, which enable its graduates to compete very favorably for entry into such graduate programs. Close contact with the University's pre-professional advisors should be maintained throughout the student's enrollment at North Park.

Students should contact Dr. Jeff Nelson 773-244-5658 to discuss the pre-professional track before registering for classes.

If the student is not a strong student in the sciences and considering majoring in Biology, they should start with Biology and begin the Chemistry sequence the second year.

If the student is not a strong student in the sciences and considering majoring in Chemistry, they should start with Chemistry and begin the Biology sequence the second year.

During the summer prior to the fourth year, the student should complete AMCAS (American Medical College Application Service) or AADSAS (American Association of Dental Schools Application Service). Students interested in optometry, podiatry and veterinary medicine should apply directly to the schools of their choice.

Physics should be taken in the summer between the second and third year.

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### **Core Curriculum**

Starting with the framework of North Park's identity as a Christian, liberal arts institution, our Core Curriculum is intentionally multidisciplinary and multi-year. It is set up as a progress through three areas: Foundation Courses, Explorations Courses, and Capstone Courses.

http://www.northpark.edu/Academics/Undergraduate-Studies/Core-Curriculum

Foundations	Explorations
Preparing for more in-depth work in both the Core Curriculum and your major	Knowledge in specific disciplines, with strong emphasis on how you can use them in the context of your own life
Cornerstone Seminar (4sh)	Art and Aesthetics (2sh)
Biblical Studies (4sh)	Christian Life & Thought (4sh)
Health and Well-Being (2sh)	Life Science (2sh/lab) met by pre-professional course BIOL 1250
Analytical & Quantitative Reasoning (4sh)	Physical Science (2sh/lab)  met by pre-professional course CHEM 1150
Global Histories (4sh)	Culture and Society (4sh)
Modern Languages (8sh)	Ethical Reasoning (2sh)
Intermediate Level Writing  Two courses in the context of your major that specifically address writing clearly and doing effective research	
Writing Intensive Course (4sh)	Research Writing Course (4sh)
<b>Keystone</b> Interdisciplinary integration of skills and knowledge applied to contemporary social issues	
Keystone Seminar (4sh)	knowledge applied to contemporary social issues

The Academic Planning Guide is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of a faculty advisor. While accurately portraying the information contained in the university catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.