

**Sequence of Courses for a Student Majoring in
Nutrition - (NUTR – Option III) PRE-HEALTH TRACK
Department of Nutritional Sciences – Texas Christian University**

First Year (Courses are listed by number, title, and credit hour for each semester)

Fall Semester	Spring Semester	Summer
NTDT 10003 Contemporary Issues in Nutrition (NSC, GA) 3	NTDT 10103 Food Preparation 3	PHYS 10154 Physics I w/ lab 4
CHEM 10113 General Chemistry 3	NTDT 20403 Nutrition 3	PHYS 10164 Physics II w/ lab 4
BIOL 10523 Intro Bio Investigation 3	CHEM 10123/10122 General Chemistry Lec/Lab 5	
SOCI 20213 Introductory Sociology 3	ENGL 10803 Intro Composition (WCO) 3	
BIOL 10503 Unity and Cells 3	BIOL 10513 Diversity and Organisms 3	
SCIE 20601 Intro to Pre-Health 1		

Total Credit Hours 16 (Fall) + 17 (Spring) = 33 Credit Hours for First Year

Second Year (Courses are listed by number, title, and credit hour for each semester)

Fall Semester	Spring Semester	Summer
NTDT 21163 Food and Culture (CA) 3	NTDT 30123 Nutrition Throughout the Life Cycle (WEM) 3	Core, if needed 3
CHEM 30123 Organic Chemistry 3	NTDT 30331 Medical Terminology 1	
ECON 10223 Microeconomics OR ECON 10233 Macroeconomics (SSC) 3	CHEM 30133 Organic Chemistry II 3	
MARK 30653 Principles of Marketing 3	ENGL 20803 Intermed Composition (WCO) 3	
MATH 10043 Elementary Statistics (MTH) 3	PSYC 10123 General Psychology (CA) 3	
	BIOL 30603 Cell/Molec/Dev Biology 3	

Total Credit Hours 15 (Fall) + 16 (Spring) = 31 Credit Hours for Second Year

Third Year (Courses are listed by number, title, and credit hour for each semester)

Fall Semester	Spring Semester	Summer
NTDT 30303 Communication and Education for Food, Nutrition, and Dietetics (OCO) 3	NTDT 30313 Food Systems Mgmt* (elective) 3	Core, if needed
NTDT 30133 Meal Management OR NTDT 50223 Culinary Medicine Seminar (SPRING) 3	NTDT 30333 Medical Nutrition Therapy 3	
NTDT 30144 Quantity Foods 4	NTDT 40403 Research Methods in Nutrition (WEM) 3	
NTDT 30233 Essentials of Dietetics Practice 3	BIOL 20214 Physiology OR BIOL 40403 Mammalian Physiology 4	
NTDT 40343 Nutritional Biochemistry OR BIOL 40513 Fundamentals of Biochemistry 3	BIOL 30304 Microbiology 4	

Total Credit Hours 16 (Fall) + 17 (Spring) = 33 Credit Hours for Third Year

Fourth Year (Courses are listed by number, title, and credit hour for each semester)

Fall Semester	Spring Semester	Summer
NTDT 40333 Medical Nutrition Therapy II 3	NTDT 50363 Community Nutrition (CSV) 3	
MANA 30653 Survey of Management 3	NTDT 30163 Sports Nutrition* OR NTDT 40413 Business Principles in Dietetics* (elective) 3	
NTDT 50323 Gut Microbiota and Health* (elective) 3	CORE or Pre-Health 3	
CORE or Pre-Health 3	CORE or Pre-Health 3	
CORE or Pre-Health 3	CORE or Pre-Health 3	

Total Credit Hours 15 (Fall) + 15 (Spring) = 30 Credit Hours for Fourth Year

Minimum Credit Hours for Program 120 Minimum Credit Hours for Graduation 120

Number of weeks in semester excluding examination time 14-15

Pre-Medical	Pre-Dental
BIOL 10503 Unity and Cells	BIOL 10503 Unity and Cells
BIOL 10513 Diversity and Organisms	BIOL 10513 Diversity and Organisms
BIOL 10523 Intro Bio Investigation	BIOL 10523 Intro Bio Investigation
BIOL 30603 Cell/Molec/Dev Bio	BIOL 30603 Cell/Molec/Dev Bio
BIOL 30304 Microbiology	BIOL 30304 Microbiology
BIOL 40403 Mammalian Physiology*	BIOL 30414 Human Anat
BIOL 40513 Fundamentals Biochem OR CHEM 50133 Biochem I AND CHEM 50143 Biochem II	BIOL 40123 Genetics
CHEM 10113 Gen Chem I	BIOL 40403 Mammalian Physiology
CHEM 10122/23 Gen Chem II w/ lab	BIOL 40513 Fundamentals Biochem OR CHEM 50133 Biochem I AND CHEM 50143 Biochem II
CHEM 20123 Quantitative Analysis**	CHEM 10113 Gen Chem I
CHEM 30123 Organic Chemistry I w/ lab	CHEM 10122/23 Gen Chem II w/ lab
CHEM 30133 Organic Chemistry II w/ lab	CHEM 20123 Quantitative Analysis**
CHEM 30143 Organic Qualitative Analysis	CHEM 30123 Organic Chemistry I w/ lab
PHYS 10154 Physics I w/ lab	CHEM 30133 Organic Chemistry II w/ lab
PHYS 10164 Physics II w/ lab	CHEM 30143 Organic Qualitative Analysis
PSYC 10213 Intro to Psychology	PHYS 10154 Physics I w/ lab
SOCI 20213 Intro Sociology	PHYS 10164 Physics II w/ lab

Pre-Optometry	Pre-Physician's Assistant
BIOL 10503 Unity and Cells	BIOL 10503 Unity and Cells
BIOL 10513 Diversity and Organisms	BIOL 10513 Diversity and Organisms
BIOL 10523 Intro Bio Investigation	BIOL 10523 Intro Bio Investigation
BIOL 30304 Microbiology	BIOL 20204 Anatomy & Physiology
BIOL 30603 Cell/Molec/Dev Bio	BIOL 20214 Anatomy & Physiology
BIOL 40513 Fundamentals Biochem OR CHEM 50133 Biochem I	BIOL 30304 Microbiology
CHEM 10113 Gen Chem I	BIOL 30603 Cell/Molec/Dev Bio
CHEM 10122/23 Gen Chem II w/ lab	BIOL 40123 Genetics
CHEM 20123 Quantitative Analysis**	BIOL 40513 Fundamentals Biochem
CHEM 30123 Organic Chemistry I w/ lab	CHEM 10113 Gen Chem I
CHEM 30133 Organic Chemistry II w/ lab	CHEM 10122/23 Gen Chem II w/ lab
CHEM 30143 Organic Qualitative Analysis	CHEM 20123 Quantitative Analysis**
MATH 10043 Elementary Statistics	CHEM 30123 Organic Chemistry I w/ lab
MATH 10524 Calculus	CHEM 30133 Organic Chemistry II w/ lab
PHYS 10154 Physics I w/ lab	CHEM 30143 Organic Qualitative Analysis
PHYS 10164 Physics II w/ lab	MATH 10043 Elementary Statistics
PSYC 10213 Intro to Psychology	PSYC Intro to Psychology

*Mammalian Physiology is not required by most medical schools (TCU-UNTHSC SOM is a notable exception) but it is strongly recommended prior to taking the MCAT.

**Option instead of Chem II lab

Students should check the current requirements of schools to which they intend to apply before they begin their junior year at TCU to ensure that new or unusual requirements can be met before graduation.