

Memorandum of Understanding
University of North Texas at Dallas—University of North Texas Health
Science Center Seven-Year Bachelor of Science/Doctor of Osteopathic
Medicine (BS/DO) 3+4 Pathway Program

3+4 Pathway Program Undergraduate Curriculum and Program Eligibility Requirements

Eligibility Requirements

To be eligible for initial and continued participation in the 3+4 Pathway Program, a student must:

- have been a first-time-in-college student admitted to UNTD for the fall term immediately following high school graduation;
- have submitted to the UNTD Pre-Health Advisor all documents relevant to the 3+4 Pathway Program;
- be a U.S. Citizen or Permanent Resident by the time of medical school application;
- be a Texas resident as defined by Rule §21.24 of the Texas Administrative Code;
- have completed the SAT or ACT.
- successfully complete a minimum of 14 semester credit hours (SCH) of the 3+4 Pathway Undergraduate Curriculum each fall and spring semester (or otherwise indicated on the UNTD degree plan), for 6 consecutive semesters; Alternatively, may satisfy the minimum requirement with a total of 30 semester credit hours (SCH) over a fall, spring, and summer semester within the same academic year.
- take all science coursework at UNTD; “science” is defined as any course with a prefix of BIOL, BIOC, CHEM, and PHYS;
- maintain continuous, full-time enrollment at UNTD during fall and spring terms;
- complete a minimum of 65 semester credit hours of the Undergraduate Curriculum at UNTD, of which 24 must be advanced and completed at UNTD, irrespective of any course credits earned through dual credit, advanced placement examinations, or transfer from other institutions as approved by UNTHSC-TCOM;
- earn a B or better in prerequisite courses and all BCPM courses attempted at UNTD (“BCPM” is defined as any course with a prefix of BIOL, BIOC, CHEM, PHYS, and MATH); if statistics is completed by Advanced Placement (“AP”) credit, a B or better is not required;
- earn both a cumulative and BCPM (“BCPM” is defined as any course with a prefix of BIOL, BIOC, CHEM, PHYS, and MATH) GPA of 3.75 or higher by the end of the first semester at UNTD
- maintain a cumulative GPA of 3.75 or higher;
- maintain a GPA of 3.75 or higher in all BCPM courses;
- earn a semester GPA of 3.50 or higher in all six semesters at UNTD;
- participate in the UNTD pre-health advising process throughout their second year at UNTD.

3+4 Pathway Program Undergraduate Curriculum

The required courses and recommended sequence for the 3+4 Pathway Undergraduate Curriculum are set forth in the tables below. Any course substitution or changes to the sequence must be approved in advance by the UNTD Pre-Health Advisor.

First Year: Fall Semester

Course	Description	SCH	
BIOL 1710	Biology for Science Majors I	3	Core: Life & Physical Sciences
BIOL 1730	Biology for Science Majors I Laboratory	1	
CHEM 1410	General Chemistry for Science Majors I	3	Core: Option A
CHEM 1430	Laboratory Sequence for General Chemistry	1	
ENGL 1313	Computer Assisted College Writing I	3	Core: Communication
PSCI 1040	American Government: Laws and Constitutions	3	Core: Government/Political Science
Total Semester Credit Hours (SCH)		14	

First Year: Spring Semester

Course	Description	SCH	
BIOL 1720	Biology for Science Majors II	3	Core: Life & Physical Sciences
BIOL 1740	Biology for Science Majors II Laboratory	1	
CHEM 1420	General Chemistry for Science Majors	3	Core: Option A
CHEM 1440	Laboratory Sequence for General Chemistry	1	
COMM 2300	Fundamentals of Public Speaking	3	Core: Communication
PSCI 1050	U.S. Political Behavior and Policy	3	Core: Government/Political Science
Total Semester Credit Hours (SCH)		14	

First Year: Summer Semester

Course	Description	SCH	
ENGL 2220	American Culture and Society	3	Core: Language, Philosophy & Culture
Total Semester Credit Hours (SCH)		3	

Second Year: Fall Semester

Course	Description	SCH	
BIOL 2301	Human Anatomy & Physiology I	3	
BIOL 2311	Human Anatomy & Physiology I Laboratory	1	
CHEM 3370	Organic Chemistry I	3	
CHEM 3210	Organic Chemistry I Laboratory	1	
HIST 2610	U.S. History to 1865	3	Core: American History
MATH 1342	Elementary Probability and Statistics	3	Core: Mathematics
Total Semester Credit Hours (SCH)		14	

Second Year: Spring Semester

Course	Description	SCH	
BIOL 2302	Human Anatomy & Physiology II	3	
BIOL 2312	Human Anatomy & Physiology II Laboratory	1	
BIOL 3451	Genetics	3	
CHEM 3380	Organic Chemistry II	3	
CHEM 3220	Organic Chemistry II Laboratory	1	
HIST 2620	U.S. History since 1865	3	Core: American History
Total Semester Credit Hours (SCH)		14	

Second Year: Summer Semester

Course	Description	SCH	
ART 1300	Art Appreciation for Non-Art Majors	3	Core: Creative Arts
Total Semester Credit Hours (SCH)		3	

Third Year: Fall Semester

Course	Description	SCH	
BIOC 3300	Principles of Biochemistry	3	
BIOL 3107	Microbiology Laboratory	1	
BIOL 3307	Microbiology	3	
BIOL 3510	Cell Biology	3	
PHYS 1410	General Physics I	3	
PHYS 1430	General Physics Laboratory II	1	
Total Semester Credit Hours (SCH)		14	

Third Year: Spring Semester

Course	Description	SCH	
BIOL 3000/4000	Advanced Elective	3	
BIOL 4260	Principles of Evolution	3	
BIOL 4310	Animal Physiology	3	
PHYS 1420	General Physics	3	
PHYS 1440	General Physics Laboratory II	1	
Total Semester Credit Hours (SCH)		13	

Course	Description	SCH	
SOCI 1510	Introduction to Sociology	3	Core: Social and Behavioral Sciences
Total Semester Credit Hours (SCH)		3	

**CHEM 3370, CHEM 3210, CHEM 3380, CHEM 3220, BIOC 3300, BIOL 3107, BIOL 3307, BIOL 3451, BIOL 3510, BIOL 4260, BIOL 4310, and BIOL advanced electives (3000 or 4000 level) will count towards the 42 advanced hour requirement for the General Degree Requirement.*

3+4 Pathway Program First Year Medical School Curriculum

Course	Description
MEDE 7810	Cellular and Molecular Biology
MEDE 7811	Musculoskeletal and Skin System 1
MEDE 7812	Nervous System 1
MEDE 7615	Cardiopulmonary System I
MEDE 7611	Gastrointestinal and Renal Systems 1
MEDE 7410	Foundations of Osteopathic Manipulative Medicine
MEDE 7510	Medical Practice 1
MEDE 7513	Professional Identity and Health Systems Practice 1

Course	Description
MEDE 7715	Endocrine and Reproductive Systems 1
MEDE 7712	Immunology and Hematology Systems 1
MEDE 7713	Fundamentals of Disease and Treatment 1
MEDE 7813	Fundamentals of Disease and Treatment 2
MEDE 7311	Medical Practice 2
MEDE 7514	Professional Identity and Health Systems Practice 2
MEDE 7525	Musculoskeletal and Skin System 2
MEDE 7620	Medical Practice 3

BS degree requirements at UNTD will be met by applying TCOM courses as follows:

Courses that satisfy the 120 Minimum Hour requirement in the BS Biology degree:

- MEDE 7810, 7811, 7812, 7615, 7611, 7410, 7510, 7513, 7715, 7712, 7713, 7813, 7311, 7514, 7525, 7620

Courses that satisfy the 42 Advanced Hours requirement in the BS Biology degree:

- MEDE 7810, 7811, 7812, 7615, 7611, 7410, 7510, 7513, 7715, 7712, 7713, 7813, 7311, 7514, 7525, 7620

Courses that satisfy the 12 Hours of advanced BIOL courses in the BS Biology degree:

- MEDE 7810, 7811, 7812, 7615, 7611, 7410, 7712, 7713, 7813, 7311, 7525, 7715