

COMPUTER SCIENCE

Sample Four-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

Must earn at least a grade of "C" in each course except for most University Core courses.

FRESHMAN YEAR

FALL

MATH 1710, Calculus I (see note 1)	4
CHEM 1410 or 1415, Chemistry (see note 2)	3
CHEM 1430 or 1435, Chemistry Lab (see note 2)	1
CSCE 1030, Computer Science I (see note 3)	4
Communication Core course	<u>3</u>
Total Hours	15

SPRING

MATH 1720, Calculus II (MATH 1710)	3
CSCE 1040, Comp. Science II (CSCE 1030, MATH 1710)	3
TECM 2700, Tech. Writing (Communication Core)	3
BIOL 1710, Biology I (see note 2)	3
BIOL 1760, Biology Lab (see note 2)	<u>2</u>
Total Hours	14

SOPHOMORE YEAR

FALL

MATH 2700, Linear Algebra (MATH 1720)	3
PHYS 1710, Mechanics (MATH 1710)	3
PHYS 1730, Mechanics Lab (MATH 1710)	1
CSCE 2100, Foundation of Computing (CSCE 1040)	3
EENG 2710, Digital Logic Design	3
University Core course	<u>3</u>
Total Hours	16

SPRING

MATH 1780, Probability Models (MATH 1710)	3
PHYS 2220, E. & M. (MATH 1720, PHYS 1710, 1730)	3
PHYS 2240, E. & M. Lab (MATH 1720, PHYS 1710, 1730)	1
CSCE 2110, Foundations of Data Structures (CSCE 1040)	3
CSCE 2610, Assembly & Org. (co CSCE 2100, EENG 2710)	3
University Core course	<u>3</u>
Total Hours	16

JUNIOR YEAR

FALL

CSCE 3110, Data Structures (CSCE 2100, 2110)	3
CSCE 3600, Systems Programming (CSCE 2100)	3
CSCE Elective course (see note 5)	3
TECM 4*** course (TECM 2700)	3
University Core course	<u>3</u>
Total Hours	15

SPRING

CSCE 4010, Social Issues (CSCE 3600)	3
CSCE 4110, Analysis of Algorithms (CSCE 3110)	3
CSCE Elective course (see note 5)	3
CSCE Elective course (see note 5)	3
University Core course	<u>3</u>
Total Hours	15

SENIOR YEAR

FALL

CSCE 4444, Software Engineering (see note 7)	3
CSCE Elective course (see note 5)	3
CSCE Elective course (see note 5)	3
University Core course	3
University Core course	<u>3</u>
Total Hours	15

SPRING

CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 6)	3
CSCE Elective course (see note 5)	3
CSCE Elective course (see note 5)	3
University Core course	3
University Core course	<u>3</u>
Total Hours	15

Notes:

- Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.
- Note 2: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite. There is no prerequisite for BIOL.
- Note 3: CSCE 1030 requires completion of MATH 1650, Pre-Calculus, or co-enrollment in MATH 1710, Calculus I (or higher) as prerequisite.
- Note 4: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.
- Note 5: Most courses are offered fall only or spring only. Must complete appropriate prerequisite(s) for each course. Graduate Track option available.
- Note 6: CSCE 4901 requires TECM 2700 and CSCE 4444 as prerequisite as well as CSCE 4110 as corequisite or prerequisite. CSCE 4999 requires professor consent as prerequisite.
- Note 7: Current prerequisite for CSCE 4444 is CSCE 2100 & CSCE 2110. This may soon change to CSCE 3110.

Must earn at least a grade of "C" and a minimum 2.5 GPA in CSCE 1030, CSCE 1040, CSCE 2100, CSCE 2110, & MATH 1710 as foundations to enroll in advanced courses.

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.

COMPUTER SCIENCE

Sample Three-Year Schedule

Required prerequisite(s) indicated in parentheses & notes

YEAR ONE

FALL

MATH 1780, Probability (MATH 1710)	3
CSCE 1030, Computer Science I (see note 3)	4
CHEM 1410 or 1415, Chemistry (see note 2)	3
CHEM 1430 or 1435, Chemistry Lab (see note 2)	1
TECM 2700	3
Total Hours	14

SPRING

MATH 2700, Linear Algebra (MATH 1720)	3
CSCE 1040, Comp. Science II (CSCE 1030, MATH 1710)	3
BIOL 1710, Biology I (see note 2)	3
BIOL 1760, Biology Lab (see note 2)	2
EENG 2710, Digital Logic Design	3
Total Hours	14

SUMMER

CSCE 2100, Foundation of Computing (CSCE 1040)	3
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YEAR TWO

FALL

CSCE 2110, Foundation of Data Structures (CSCE 1040)	3
CSCE 2610, Assembly & Org.(co CSCE 2100, EENG 2710)	3
CSCE 3600 (CSCE 2100)	3
TECM 4*** course (TECM 2700)	3
Total Hours	12

SPRING

CSCE 3110 (CSCE 2110)	3
CSCE 4010 (CSCE 3600)	3
CSCE Core Elective (see note 4)	3
CSCE Adv Elective (see note 4)	3
Total Hours	12

YEAR THREE

FALL

CSCE 4110, Analysis of Algorithms (CSCE 3110)	3
CSCE 4444, Software Engineering (CSCE 3110)	3
CSCE Core Elective (see note 4)	3
CSCE Breadth Elective (see note 4)	3
Total Hours	12

SPRING

CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 5)	3
CSCE Breadth Elective (see note 4)	3
CSCE Adv Elective (see note 4)	3
CSCE Adv Elective (see note 4)	3
Total Hours	12

Notes:

Note 1: MATH 1710 requires one of the following as prerequisite: completion of MATH 1650 with a grade of "C" or higher; or completion of MATH 1610 with a grade of "C" or higher; or Freshman Math Group Level 3; or approval authorized by score via mathematics testing; or earned credit for a math course at or above the MATH 1710 level.

Note 2: BIOL 1710 & 1760 has no prerequisite. CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 3: CSCE 1030 requires completion of MATH 1650, Pre-Calculus, or co-enrollment in MATH 1710, Calculus I (or higher) as prerequisite.

Note 4: Must complete appropriate prerequisite(s) for each CSCE Core, Breadth and/or Free elective course. Graduate Track option available.

Note 5: CSCE 4901 requires TECM 2700 and CSCE 4444 as prerequisite as well as CSCE 4110 as corequisite or prerequisite. CSCE 4999 requires professor consent as prerequisite.

Must earn at least a grade of "C" and a minimum 2.5 GPA in CSCE 1030, CSCE 1040, CSCE 2100, CSCE 2110, & MATH 1710 as foundations to enroll in advanced courses.

Must earn at least a grade of "C" in each course above except for most University Core courses.

Credits Which Could Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:

Communications Core	Creative Arts Core
HIST 2610	Language Philosophy Culture Core
HIST 2620	Social Behavioral Sciences Core
PSCI 2305	
PSCI 2306	

Credits Which Should Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:

MATH 1710
MATH 1720
PHYS 1710/1730
PHYS 2220/2240

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.