

# Computer Science – Pre-Calculus

2023-2024 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
Year One	MATH 1650	Pre-Calculus <i>Pre-req: MATH 1100 or Test Placement</i>	5	F., Sp., Su.	MATH 1710	Calculus I <i>Pre-req: MATH 1650 or Test Placement</i>	4	F., Sp., Su.
	CHEM 1410	General Chemistry I <i>Pre-req: MATH 1100 or higher</i>	3	F., Sp., Su.	CSCE 1030	Computer Science I <i>Pre-req: MATH 1650 or Co-req: MATH 1710</i>	4	F., Sp., Su.
	CHEM 1430	General Chemistry I Lab <i>Co/Pre-req: CHEM 1410</i>	1	F., Sp., Su.	TECM 2700	Technical Writing <i>Pre-req: Communication Core</i>	3	F., Sp., Su.
	Comm. Core	University Core – Communication	3	F., Sp.	BIOL 1710	Biology I	3	F., Sp., Su.
	University Core	University Core – American History I	3	F., Sp., Su.	BIOL 1760	BIOL Lab <i>Co/Pre-req: BIOL 1710</i>	2	F., Sp., Su.
	Total Hours		15		Total Hours		16	

Year Two	MATH 1720	Calculus II <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.	MATH 1780	Probability Models <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.
	PHYS 1710	Mechanics <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.	PHYS 2220	Electricity & Magnetism <i>Pre-reqs: MATH 1720 &amp; PHYS 1710/1730</i>	3	F., Sp., Su.
	PHYS 1730	Mechanics Lab <i>Co/Pre-req: PHYS 1710</i>	1	F., Sp., Su.	PHYS 2240	Electricity & Magnetism Lab <i>Co/Pre-req: PHYS 2220</i>	1	F., Sp., Su.
	CSCE 1040	Computer Science II <i>Pre-req: CSCE 1030 Co/Pre-req: MATH 1710</i>	3	F., Sp., Su.	CSCE 2100	Foundations of Computing <i>Pre-req: CSCE 1040 or CSCE 1-45</i>	3	F., Sp., Su.
	EENG 2710	Digital Logic Design	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures <i>Pre-req: CSCE 1040 or CSCE 1045</i>	3	F., Sp., Su.
	University Core	University Core – American History II	3	F., Sp., Su.	University Core	University Core – Federal Government	3	F., Sp., Su.
	Total Hours		16		Total Hours		16	

Year Three	MATH 2700	Linear Algebra <i>Pre-req: MATH 1720</i>	3	F., Sp., Su.	CSCE 3444	Software Engineering <i>Pre-reqs: CSCE 3110</i>	3	F., Sp., Su.
	CSCE 2610	Assembly Lang. & Computer Org. <i>Pre-reqs: CSCE 2100, Co/Pre-req: EENG 2710</i>	3	F., Sp.	CSCE 4110	Analysis of Algorithms <i>Pre-reqs: CSCE 3110</i>	3	F., Sp., Su.
	CSCE 3110	Data Structures <i>Pre-req: CSCE 2100, 2110</i>	3	F., Sp., Su.	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
	CSCE 3600	Systems Programming <i>Pre-req: CSCE 2110</i>	3	F., Sp.	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
	University Core	University Core – State Government	3	F., Sp., Su.	University Core	University Core – Creative Arts	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	

Year Four	CSCE 4010	Social Issues <i>Pre-reqs: CSCE 3600</i>	3	F., Sp., Su.	CSCE 4902	Capstone II <i>Pre-req: CSCE 4901</i>	3	Sp.
	CSCE 4901	Capstone I <i>Pre-reqs: TECM 2700, CSCE 3444 Co/Pre-req: CSCE 4110</i>	3	F.	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
	TECM 4***	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.	CSCE Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp., Su.
	University Core	University Core – Language, Philosophy and Culture	3	F., Sp., Su.	University Core	University Core – Social and Behavioral Sciences	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	

Courses in **GREEN** are taken at UNT and require a particular prerequisite order.

Courses in **BLACK** can be fulfilled by AP, IB, CLEP, and/or Texas Community College Dual Credit or Transfer Credit and require a particular prerequisite order.

Courses in **BLUE** can be fulfilled by AP, IB, CLEP, and/or Texas Community College Dual Credit or Transfer Credit and can be completed in any term prior to graduation.

ENGL, TECM, MATH, CHEM, BIOL, PHYS, CSCE, and EENG courses require minimum grade of "C" for completion and/or prerequisite.

This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. UNT students should check their degree audit at mydegreeaudit.unt.edu each term. UNT students should meet with their advisor each term to discuss individual scheduling, program decisions, etc.

# Advanced Placement (AP), International Baccalaureate (IB), Credit by Exam (CLEP), Texas Community College Dual Credit, Texas Community College Transfer Credit

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## **COMMUNICATION**

AP English Lang. And Comp. Score of 3

IB English A: Lang. and Lit. Score of 5

## **TECHNICAL WRITING**

Community College ENGL 2311: TECM 2700

## **AMERICAN HISTORY I**

AP U.S. History score of 3

CLEP History of United States I

Community College: HIST 1301

## **AMERICAN HISTORY II**

AP U.S. History score of 3

CLEP History of United States II

Community College: HIST 1302

## **FEDERAL GOVT/POLI SCIENCE**

AP U.S. Government score of 3

CLEP American Government

Community College: GOVT 2305

## **STATE GOVT/POLI SCIENCE**

Community College: GOVT 2306

## **CREATIVE ARTS**

AP Art History score of 3

IB Dance score of 4\*

Community College: ARTS 1301

Community College: ARTS 1304

Community College: MUSI 1306

Community College: DRAM 1310

## **LANGUAGE, PHILOSOPHY, AND CULTURE**

AP English Literature and Comp. score of 3

AP World History score of 3

IB History score of 4\*

IB Philosophy score of 5

IB English Language A: Lit. Score of 5

Community College: ENGL 2332

Community College: ENGL 2333

Community College: ENGL 2341

Community College: HIST 2321

Community College: HIST 2322

Community College: PHIL 1301

Community College: PHIL 1304

Community College: PHIL 2303

Community College: PHIL 2306

## **SOCIAL AND BEHAVIORAL SCIENCES**

AP Macroeconomics score of 3

AP Microeconomics score of 3

AP Psychology score of 3

IB Economics score of 4\*

IB Geography score of 4\*

IB Psychology score of 4\*

CLEP Macroeconomics

CLEP Microeconomics

CLEP Human Growth and Development

CLEP Introductory Psychology

CLEP Introductory Sociology

Community College: ANTH 2346

Community College: ANTH 2351

## **SOCIAL AND BEHAVIORAL SCIENCES**

### **(Continued)**

Community College: ECON 2301

Community College: ECON 2302

Community College: GEOG 1303

Community College: TECA 1354

Community College: PSYC 2301

Community College: PSYC 2302

Community College: SOCI 1301

Community College: COMM 1307

Community College: SPCH 1318

## **BIOLOGY**

AP Biology score of 4, 5: BIOL 1710, 1720, 1760

IB Biology: BIOL 1710, 1720, 1760

CLEP Biology: BIOL 1710, 1720

Community College BIOL 1306: BIOL 1710

Community College BIOL 1307: BIOL 1720

Community College BIOL 1406: BIOL 1710, 1760

Community College BIOL 1407: BIOL 1720, 1760

## **CHEMISTRY**

AP Chemistry score of 4: CHEM 1410, 1430

AP Chemistry score of 5: CHEM 1410, 1430, 1420, 1440

CLEP General Chemistry: CHEM 1410, 1420

IB Chemistry: CHEM 1410, 1430, and 1420, 1440

Community College CHEM 1311, 1111: CHEM 1410, 1430

Community College CHEM 1312, 1112: CHEM 1420, 1440

Community College CHEM 1411: CHEM 1410, 1430

Community College CHEM 1412: CHEM 1420, 1440

## **PHYSICS**

AP Physics C (Mechanics) score of 4: PHYS 1710, 1730

AP PHYS Physics C (Electricity and Magnetism) score of 4: PHYS 2220, 2240

Community College PHYS 2325, 2125: PHYS 1730, 1730

Community College PHYS 2326, 2126: PHYS 2220, 2240

Community College PHYS 2425: PHYS 1710, 1730

Community College PHYS 2426: PHYS 2220, 2240

## **MATHEMATICS**

AP Calculus AB score of 3: MATH 1710

AP Calculus BC score of 3: MATH 1710, 1720

AP Calculus AB sub score of BC Exam score 3: MATH 1710

IB Mathematics – Calculus: MATH 1710

CLEP College Algebra: MATH 1100

CLEP Pre-calculus: MATH 1650

CLEP Calculus: MATH 1710

Community College MATH 1314 or 1414: MATH 1100

Community College MATH 2312 or 2412: MATH 1650

Community College MATH 2313 or 2413: MATH 1710

Community College MATH 2314 or 2414: MATH 1720

Community College MATH 2318 or 2418: MATH 2700

Community College ENGR 2300: Substitutes for MATH 2700

## **COMPUTING/PROGRAMMING**

AP Computer Science A score of 4: CSCE 1030

IB Computer Science: CSCE 1030, 1040

Community College COSC 1336 or 1436: CSCE 1030

Community College COSC 1337 or 1437: CSCE 1040

Community College COSC 2325 or 2425: CSCE 2610

Community College COSC 2326 or 2436: CSCE 2110

Community College MATH 2305: Substitutes for CSCE 2100

## **ENGINEERING**

Community College ENGR 2406: EENG 2710, 2711