Cybersecurity – College Algebra

2023-2024 Catalog: Sample Five-Year Schedule

Year One

Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
MATH 1100	College Algebra *Pre-req: TSI Completion*	3	F., Sp., Su.	MATH 1650	Pre-Calculus *Pre-req: MATH 1100 or Test Placement*	5	F., Sp., Su.
Comm. Core	University Core – Communication	3	F., Sp., Su.	CHEM 1410	General Chemistry I *Pre-req: MATH 1100 or higher*	3	F., Sp., Su.
University Core	University Core – American History I	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab *Co/Pre-req: CHEM 1410*	1	F., Sp., Su.
University Core	University Core – Federal Government	3	F., Sp., Su.	TECM 2700	Technical Writing *Pre-req: Communication Core*	3	F., Sp., Su.
Total Hours		12		Total Hours		12	

Year Two

Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
MATH 1710	Calculus I *Pre-req: MATH 1650 or Test Placement*	4	F., Sp., Su.	MATH 1720	Calculus II *Pre-req: MATH 1710*	3	F., Sp., Su.
CSCE 1035	Computer Programming I *Pre-req: MATH 1650 or Co-req: MATH 1710*	4	F., Sp.	CSCE 1045	Computer Programming II *Pre-req: CSCE 1035* *Co/Pre-req: MATH 1710*	3	F., Sp.
BIOL 1710	Biology I	3	F., Sp., Su.	PHYS 1710	Mechanics *Pre-req: MATH 1710*	3	F., Sp., Su.
BIOL 1760	Biology Lab *Co/Pre-req: BIOL 1710*	2	F., Sp., Su.	PHYS 1730	Mechanics Lab *Co/Pre-req: PHYS 1710*	1	F., Sp., Su.
University Core	University Core – American History II	3	F., Sp., Su.	University Core	University Core – State Government	3	F., Sp., Su.
Total Hours		16		Total Hours		13	

Year Three

Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
MATH 2700	Linear Algebra *Pre-req: MATH 1720*	3	F., Sp., Su.	MATH 3680	Applied Statistics *Co/Pre-req: MATH 1720*	3	F., Sp., Su.
CSCE 2100	Foundations of Computing *Pre-req: CSCE 1040 or CSCE 1045*	3	F., Sp., Su.	CSCE 3600	Systems Programming *Pre-req: CSCE 2110*	3	F., Sp.
CSCE 2110	Foundations of Data Structures *Pre-req: CSCE 1040 or CSCE 1045*	3	F., Sp., Su.	University Core	University Core – Creative Arts	3	F., Sp., Su.
PHYS 2220	Electricity & Magnetism *Pre-reqs: MATH 1720 & PHYS 1710/1730*	3	F., Sp., Su.	University Core	University Core – Language, Philosophy and Culture	3	F., Sp., Su.
PHYS 2240	Electricity & Magnetism Lab *Co/Pre-req: PHYS 2220*	1	F., Sp., Su.	Total Hours		12	
Total Hours		13					

Year Four

Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
CSCE 3530	Introduction to Computer Networks *Pre-req: CSCE 3600*	3	F., Sp.	CSCE 3560	Computer Systems Security *Pre-req: CSCE 3600*	3	Sp.
CSCE 3550	Foundations of Computer Security *Pre-req: CSCE 2110*	3	F.	CSCE 4555	Computer Forensics *Pre-req: CSCE 2110*	3	Sp.
CSCE 4010	Social Issues in Computing *Pre-req: CSCE 3600*	3	F., Sp.	CSCE 4560	Secure Electronic Commerce *Pre-req: CSCE 2110*	3	Sp.
Supporting Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	Supporting Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Total Hours		12		Total Hours		12	

Year Five

Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
CSCE 4535	Introduction to Network Admin. *Pre-req: CSCE 3530*	3	F.	CSCE 4927	Capstone II *Pre-req: CSCE 4907*	3	Sp.
CSCE 4565	Secure Software Development *Pre-req: CSCE 3560*	3	F.	Supporting Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
CSCE 4575	Blockchain and Applications *Pre-req: CSCE 3600*	3	F.	Supporting Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
CSCE 4907	Cybersecurity Capstone I *Pre-req: CSCE 3550* *Co-req: CSCE 4565*	3	F.	University Core	University Core – Social and Behavioral Sciences	3	F., Sp., Su.
Total Hours		12		Total Hours		12	

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 Supporting Elective 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

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

Credit for both CSCE 1030 and 1040 can substitute for CSCE 1035 and 1045

*Completion of IB program, earned IB Diploma, & minimum score of 4 or completion of IB program without the earned diploma & minimum score of 5, 6, or 7
Other community college or university courses may fulfill requirements. Please confirm with your advisor.