

# Construction Engineering Technology – Calculus I

2023-2024 Catalog: Sample Four-Year Schedule

Year One	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1710	Calculus I <i>Pre-req: MATH 1650 or Test Placement</i>	4	F., Sp., Su.	MATH 1720	Calculus II <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.
	CHEM 1410	General Chemistry I <i>Pre-req: MATH 1100 or higher</i>	3	F., Sp., Su.	PHYS 1710	Mechanics <i>Pre-req: MATH 1710</i>	3	F., Sp., Su.
	CHEM 1430	General Chemistry I Lab <i>Co/Pre-req: CHEM 1410</i>	1	F., Sp., Su.	PHYS 1730	Mechanics Lab <i>Co/Pre-req: PHYS 1710</i>	1	F., Sp., Su.
	CNET 1160	Construction Methods and Materials	3	F.	CNET 2180	Building Construction Techniques <i>Pre-req: CNET 1160</i>	3	Sp.
	Comm. Core	University Core – Communication	3	F., Sp., Su.	TECM 2700	Technical Writing <i>Pre-req: Communication Core</i>	3	F., Sp., Su.
	Total Hours		14		University Core	University Core – Federal Government	3	F., Sp., Su.
					Total Hours		16	

Year Two	PHYS 2220	Electricity and Magnetism <i>Pre-reqs: MATH 1720, PHYS 1710, 1730</i>	3	F., Sp., Su.	ACCT 2010	Accounting Principles I <i>Pre-req: ECON 1100</i>	3	F., Sp., Su.
	PHYS 2240	Electricity and Magnetism Lab <i>Co-req/pre-req: PHYS 2220</i>	1	F., Sp., Su.	CNET 4190	Quality Management in Construction <i>Pre-req: CNET 2180</i>	3	Sp.
	CNET 2300	Construction Graphics and Modeling	3	F.	ENGR 2332	Mechanics and Materials <i>Pre-req: ENGR 2301</i>	4	F., Sp., Su.
	ENGR 1030	Technological Systems	3	F., Sp.	University Core	University Core – State Government	4	F., Sp., Su.
	ENGR 2301	Statics <i>Pre-reqs: PHYS 1710, 1730</i>	3	F., Sp., Su.	University Core	University Core – American History I	3	F., Sp., Su.
	ECON 1100	Microeconomics <i>Fulfills Social and Behavioral Science Core</i>	3	F., Sp., Su.	Total Hours		16	
	Total Hours		16					

Year Three	CNET 3150	Construction Contract Documents <i>Pre-req: CNET 2180</i>	3	F.	CNET 3190	Construction Scheduling <i>Pre-req: CNET 3160</i>	3	Sp.
	CNET 3160	Construction Cost Estimating <i>Pre-req: CNET 2180</i>	3	F.	CNET 3440	Steel Structures <i>Pre-req: CNET 3430</i>	3	Sp.
	CNET 3430	Structural Analysis <i>Pre-req: ENGR 2332</i>	3	F.	CNET 3460	Soils and Foundations <i>Pre-req: CNET 2180, ENGR 2332</i>	3	Sp.
	BLAW 3430	Legal and Ethical Environment of BUSI <i>Pre-req: PSCI 2305, 2306</i>	3	F., Sp., Su.	CNET 3410	Occupational Safety and Liability	3	Sp.
	University Core	University Core – American History II	3	F., Sp., Su.	University Core	University Core – Creative Arts	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	

Year Four	CNET 3480	Structural Design with Concrete, Timber, etc. <i>Pre-req: CNET 2180, 3430</i>	3	F.	CNET 4180	Problems in Project Management <i>Pre-req: CNET 4170</i>	3	Sp.
	CNET 4170	Construction Management <i>Pre-req: CNET 3160</i>	3	F.	CNET 4620	Adv. Design in Cold-Formed Steel Struc. <i>Pre-req: CNET 3430</i>	3	F., Sp.
	CNET 4780	Senior Design I <i>Pre-req: Senior Class., CNET 3190, 3440, 3460</i>	1	F.	CNET 4790	Senior Design II <i>Pre-req: CNET 4780</i>	3	F., Sp.
	BLAW 4770	Real Estate Law and Contracts	3	F., Sp.	Technical Elective	Options at <a href="http://mydegreeaudit.unt.edu">mydegreeaudit.unt.edu</a> Must complete pre-reqs	4	Varies
	DSCI 2710	Data Analysis with Spreadsheets <i>Pre-req: College Math Readiness</i>	3	F., Sp., Su.	MISC Elective	MISC. Elective to reach 124 Hours (If needed)	3	F., Sp., Su.
	University Core	University Core – Language, Philosophy and Culture	3	F., Sp., Su.	Total Hours		16	
Total Hours		16						

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, PHYS, ENGR, CNET, and Business Courses require a minimum grade of "C" for completion and/or prerequisites

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](http://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  
Community College: ENGL 1301

## **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 Microeconomics score of 3  
CLEP Microeconomics  
Community College ECON 2302: ECON 1100

## **CHEMISTRY**

AP Chemistry score of 4: CHEM 1410, 1430  
AP Chemistry score of 5: CHEM 1410, 1430, and 1420, 1440  
IB Chemistry: CHEM 1410, 1430, and 1420, 1440  
CLEP General Chemistry: CHEM 1410, 1420  
Community College CHEM 1111: CHEM 1430  
Community College CHEM 1311: CHEM 1410  
Community College CHEM 1411: CHEM 1410, 1430

## **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 2125: PHYS 1730  
Community College PHYS 2126: PHYS 2240  
Community College PHYS 2325: PHYS 1710  
Community College PHYS 2326: PHYS 2220  
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: MATH 1100  
Community College MATH 1414: MATH 1100  
Community College MATH 2312: MATH 1650  
Community College MATH 2412: MATH 1650  
Community College MATH 2313: MATH 1710  
Community College MATH 2314: MATH 1720  
Community College MATH 2413: MATH 1710  
Community College MATH 2414: MATH 1720

## **ENGINEERING**

Community College ENGR 2301: ENGR 2301  
Community College ENGR 2332: ENGR 2332

## **BUSINESS**

Community College ACCT 2301: ACCT 2010  
Community College ACCT 2401: ACCT 2010

*\*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.*