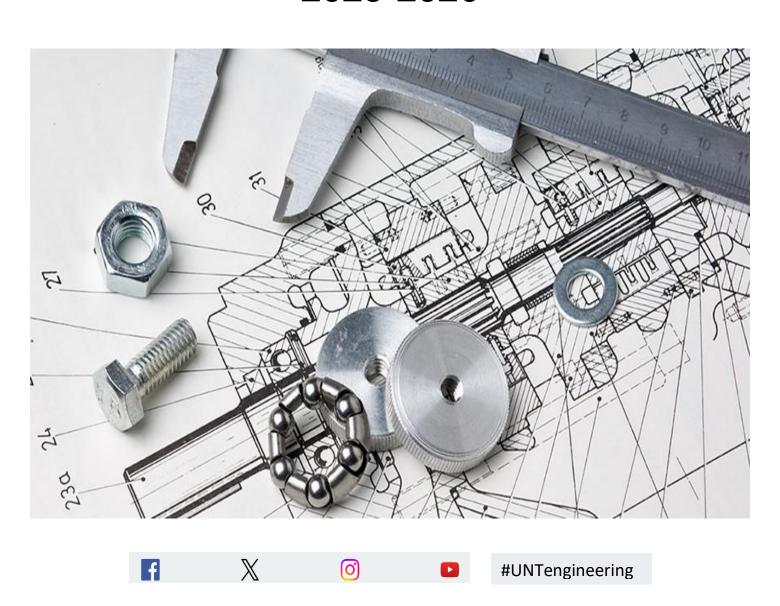


# Undergraduate Academic Guidebook 2025-2026



# **Advising**

# **Academic Advisors:**

Academic advisors counsel you on academic goals and requirements to earn your degree. You should meet with your advisor each semester. Advising appointments are offered in-person and online (via zoom). Contact information is:

- Location: Discovery Park E 201
- Phone number: 940-565-4201
- E-mail: engineering.advisor@unt.edu
- Appointment Scheduling: navigate.unt.edu
  - o Allow 3 weeks for an available opening
  - o Note that you will lose your appointment if you are late

#### **Engineering Faculty Advisors:**

Located in each department at Discovery Park, faculty advisors can help you with choosing the proper electives, specialization, track, or supporting area courses to prepare you to enter industry after graduation.

# **Career Advisors:**

Career advisors help you with career planning/selection, resume writing, interviewing skills, internships, and full-time employment. You can schedule an appointment via **navigate.unt.edu**.

#### **International Advisors:**

International advisors help you if you are an international student to discuss policies, restrictions, and responsibilities based on your VISA type and/or sponsored scholarship type.

# Texas Success Initiative (TSI)

TSI is a state law that requires proof of readiness to take math and English courses. If you are TSI incomplete, you must prove readiness via an exemption or via TSI testing. Please visit **vpaa.unt.edu/aservices/tsi/index** or email **TSI@unt.edu** for more information.

# Prerequisite Sequence for TSI Entry Math Courses:

MATH 340 or MATH 350 → MATH 1100 & UGMT 1300 → MATH 1650 (or 1190 for CONM) → MATH 1710

Courses must be completed with a minimum grade of "C" to meet prerequisite.

#### **Mathematics Readiness**

Estimated graduation is determined by math enrollment in your 1st semester. Enrollment in math courses is dependent on TSI completion and either (1) pre-placement level, or (2) ALEKS PPL placement test score, or (3) earned credit for college level math prerequisite courses. Refer to page 59 for college level AP, IB, CLEP, DC, and/or transfer courses.

# Prerequisite Sequence for Beginning Math Courses:

- MATH 1100 → MATH 1650 → MATH 1710
- MATH 1100 or MATH 1180 → MATH 1190 (for CONM)

Courses must be completed with a minimum grade of "C" to meet prerequisite.

# <u>Pre-Placement for First Time in College/Freshmen:</u>

TSI math complete students (without earned college level math credit) are assigned a Math Group Level based on SAT/ACT and high school rank:

- Math Level 1 or Blank Math Level: MATH 1100
- Math Level 2: MATH 1650 or MATH 1190 (for CONM)

# **ALEKS PPL Placement Test Option For TSI Complete Student:**

- Online test which can be taken a maximum of 2 times
- Must score a minimum of 60 to enter MATH 1650 (Pre-Calculus) or MATH 1190 (Business Calculus for CONM)
- Must score a minimum of 75 to place into MATH 1710 (Calculus I)

Scan the QR code or visit

https://math.unt.edu/undergraduate/placement\_test.html for more information on ALEKS PPL testing.

# **Course Types**

UNT offers many course types and/or formats. Below are common ones.

# Prerequisite or "Prereq"

- Course that must be completed to move onto another course in a sequence.
- Preregs are never waived or ignored.

# Corequisite or "Coreq"

- Course that must be taken in the same semester as another course.
- Coreas are never waived or ignored.

#### Recitation or "Rec"

Extra required meeting time to cover homework, take tests, answer questions, etc.

#### <u>Laboratory or "Lab"</u>

• Required time that is an application of the information that you learn in class.

# **Advanced Course:**

- High level courses as indicated by a 3\*\*\* or 4\*\*\* numbering.
- Normally requires completion of multiple preregs and/or coreqs before you can take the course.

# **Restricted**

- Course, or a section time of a course, limited to certain student groups/populations. Examples include:
  - TAMS students only
- Coursera online majors
- Honors College only
- Dual Credit (high school/secondary school) students

## **Course Locations**

UNT offers courses via various locations in addition to the main campus in Denton. Below are common locations.

#### **UNT Internet Course**

• Instruction, assignments, and work is all online.

## **Discovery Park (NTDP)**

- Campus located in north Denton, TX.
- Majority of all engineering courses are taught at this campus.

# Frisco Landing (FRLD)

- Campus located in Frisco, TX.
- Limited core, math, science, writing, and computing courses are available at this campus.

## Inspire Park (FRIP):

- Campus located in Frisco, TX.
- Limited science labs are available at this campus.

Information on free bus transportation routes/times in Denton and available student parking passes/locations can be found at **unt.edu/transit**. Please note that there is no bus transportation available to the Frisco campuses.

# **Course Semester Offerings**

UNT has 3 semesters – fall, spring, and summer. There are numerous sessions within each semester. Please note that not all courses are offered every semester or every session. Also, please note that registration dates, payment dates, financial aid/scholarship disbursement, and drop/withdraw dates vary for each session.

# Fall Semester - Session offered:

- Regular Session: August December
- 8 Week I Session: August October
- 8 Week 2 Session: October December

## **Spring Semester - Sessions offered:**

- 3 Week (Winter) Session: December January
- Regular Session: January May
- 8 Week I Session: January March
- 8 Week 2 Session: March May

# <u>Summer Semester - Sessions offered:</u>

- 3 Week Session: May
- 5 Week 1 Session: May June
- 10 Week Session: May July
- 8 Week Session: June July
- 5 Week 2 Session: June July

#### **Credit Hours**

Number of units assigned to each course. Also referred to as "credits" or "hours". It indicates approximately how many hours per week you'll be in class and will need to study for that course. It's also used in the calculation of your GPA.

# How many hours do I earn for each course?

Depends on the course. Usually 3 – 4 hours but courses can range from 1 – 5 hours.

# How many credits is full-time?

12 hours (approximately 4 courses).

# How many hours can I take each semester?

19 hours in the fall/spring and 18 hours in the summer with the following restrictions per session: 4 hours in 3 week sessions, 8 hours in 5 week I session, 7 hours in 5 week 2 session, 9 hours in 8 week sessions, and 12 hours in 10 week session. This applies to credits enrolled at UNT and another institution (concurrent enrollment). You may receive overload approval to take more hours if you meet certain GPA criteria.

# Do I have to be a full-time student?

No, not unless you are an international student, athlete, scholarship recipient or receiving financial aid. To attempt a timely graduation, you should plan to take 15-16 hours each semester unless you work or have responsibilities outside of school. Please consult with your advisor to determine the proper balance of work/life and school.

#### Classification

Your classification is based on the number of earned credit hours after semester grade posting; not the number of years you have been in school. Classification dictates your registration appointment time each semester and may impact your eligibility for scholarships, financial aid, internships, etc.

Freshman: 0 – 29 hours
 Sophomore: 30 – 59 hours
 Junior: 60 – 89 hours
 Senior: 90+ hours

# Grade Point Average (GPA)

Grades have a point value and courses are worth an amount of credit hours. GPA is calculated by dividing grade points earned by the number of attempted hours. Grades of "CR" (AP, CLEP, IB credits) and "W" don't count as attempted hours in GPA calculations. Grades of "F" are attempted hours and count heavily against your GPA.

# How do grades convert to grade points?

- A = 4 points x # of credit hours course is worth
- B = 3 points x # of credit hours course is worth
- C = 2 points x # of credit hours course is worth
- D = 1 points x # of credit hours course is worth
- F = 0 points x # of credit hours course is worth

## How to calculate your GPA:

- Determine grade points for each course using the conversion above.
- Total your number of grade points and your number of attempted hours.
- Divide total grade points by total attempted hours.
- Number that results = your GPA.

## **Different types of GPAs:**

- Semester or Term GPA: the GPA you earned for the semester/term.
- UNT GPA or Cumulative GPA: the GPA you earn in all UNT courses. A minimum 2.0 GPA is required.
- Overall GPA or Total GPA: the GPA you earn in all courses (UNT and transfer). A minimum 2.0 GPA is required.
- Major GPA: the GPA you earn in courses in your major. A minimum 2.0 GPA is required.

You can access a GPA calculator at advising.unt.edu/about-your-gpa/calculate-your-gpa

# Grade Point Average (GPA): Academic Status

Your cumulative UNT GPA is used to calculate academic status. Grades earned in transfer are considered in calculation of Graduation with Honors and fulfillment of degree requirements but are not considered with determination of academic status.

## **Academic Good Standing:**

Standing if you earn at least a cumulative 2.0 UNT GPA. A 1.8 UNT GPA is acceptable during your 1st semester at UNT but it must be increased to at least a 2.0 after your 1st semester.

#### **Academic Alert:**

Standing if you are a freshman and your UNT GPA falls below 1.8 during the 1st semester or falls below 2.0 during the 2nd semester. You can only be placed on alert once. You will be required to participate in academic coaching sessions via the Learning Center during your alert semester. You must raise your UNT GPA to 2.0 or higher during your alert semester or you will be placed on probation.

# **Academic Probation:**

Standing if you are not eligible for alert and your UNT GPA falls below 1.8 during the 1st semester or falls below 2.0 during any following semester. You must raise your UNT GPA to 2.0 to return to good standing or earn a semester GPA of at least 2.25 to remain on probation. You will be required to participate in academic coaching session via the Learning Center during your probation semester.

# **Academic Suspension:**

Standing if you fail to raise your UNT GPA to a 2.0 or earn a 2.25 semester GPA while on probation. You are prohibited from attending UNT for 1 long semester for a 1st suspension or 2 long semesters for a 2nd suspension. You must petition for approval to re-enter the College of Engineering after completing the suspension period. You will be dismissed permanently from the College of Engineering if you are suspended a 3rd time.

# Grade Point Average (GPA): Honors

#### **Semester Honors:**

Semester honors is based on your fall or spring semester GPA and is documented on your UNT transcript. You must complete at least 12 hours to be recognized for honors. Summer GPA is not recognized for honors. Candidates for a 2<sup>nd</sup> bachelor's degree are not eligible for semester honors.

President's List: 4.000Dean's List: 3.500-3.999

# **Graduation with Honors:**

Graduation with honors is based on your overall (UNT and transfer) GPA and is documented on your UNT transcript. Candidates for a 2<sup>nd</sup> bachelor's degree are not eligible for graduation honors.

Cum laude: 3.500 – 3.699
Magna cum laude: 3.700 – 3.899
Summa cum laude: 3.900 – 4.000

# Cancelling, Dropping or Withdrawing

# <u>Cancelling:</u>

This refers to removing yourself from one, some, or all your courses before the semester has started. You can do this via MyUNT. Refer to **registrar.unt.edu** for information and deadlines.

# **Dropping:**

This refers to removing yourself from one or some courses (but remaining in at least one course) after the semester has started. You can do this via MyUNT. Refer to **registrar.unt.edu** for information and deadlines. Only 6 drops are allowed during your academic career. Once the 6 drop limit is reached, no additional drops are approved.

# Withdrawing:

This refers to removing all your courses after the semester has started. You are not allowed to withdraw via MyUNT. You may withdraw via the procedures and deadlines listed online. Refer to **registrar.unt.edu**.

Dropping or withdrawing may affect your financial aid and/or excessive hours.

# **Retaking Courses: Course Duplications**

If your transcript(s) contains the same course with an earned grade more than once, the 1<sup>st</sup> grade will be treated as a duplication and will be deleted from your GPA. Any additional grades will be calculated into your GPA. This includes transfer courses/grades. Course duplication will impact your GPA, academic status and excessive hours.

Engineering major required courses must be completed with a grade of "C" or better. Only the last grade will be used in fulfilling prerequisite, corequisite, full-major eligibility, and graduation eligibility. Contact your advisor to confirm how you will be affected if you take a course more than once.

# **Incomplete Grade**

An Incomplete ("I") grade is a pending grade. It is your professor's decision to grant an "I" if you meet **all** these conditions below:

- The final drop/withdraw deadline for the semester has passed.
- You experience an emergency that prohibits you from completing remaining work.
- You have been earning a passing grade to the point of the emergency.
- You can complete and submit outstanding work within 12 months after the grade of "I" is granted.

An "I" grade does not impact your GPA, but it will automatically convert to a "F" grade if you do not complete it.

# Pass/No Pass Grading Option

You may elect to take a course under the Pass/No Pass grading option if it is not a prerequisite, corequisite, University Core requirement, or Major Requirement on your degree audit. Certain criteria must be met and you must obtain approval from your advisor after you have enrolled in the course. A "P" or "NP" will be recorded on your record and is not calculated in your GPA.

# Taking Courses at another Institution: Concurrent Enrollment

Courses taken outside of UNT will not be applied to your degree audit unless you meet all the following criteria:

- The course you plan to take has been pre-approved by your advisor.
- You do not violate the maximum semester credit hour limit or residency requirements at UNT.
- You are not attempting to graduate the same semester in which you are concurrently enrolled.
- You submit the official transcript for the course to the Registrar's Office within one month of completion.

Your department reserves the right to reject online courses and/or courses at certain institutions.

Concurrent enrollment in your last semester will delay graduation. You will not graduate or earn your degree until the following semester.

# **Payment and Tuition**

You must arrange payment prior to the payment deadline listed in MyUNT or online. Failure to pay by the deadline listed may result in the cancellation of your entire schedule. You have numerous options available to pay. Refer to **registration.unt.edu/cost-funding** for information. If you have been awarded financial aid, refer to **financialaid.unt.edu** for information.

## **Repeated Course Tuition Increase:**

If you pay under the Texas resident tuition rate and you attempt courses more than twice, you are subject to pay an additional tuition rate per semester credit hour for the repeated course. Refer to information at **sfs.unt.edu**.

# **Excessive Hours Tuition:**

If you pay under the Texas resident tuition rate, you may be subject to a higher tuition rate once you exceed more than 30 credit hours above the number of hours required for your degree plan. Additional hours are considered excessive and will result in additional tuition charges. Refer to information at **sfs.unt.edu**.

# **Maximum Hours - Financial Aid:**

If you receive financial aid and maintain Satisfactory Academic Progress (SAP) and Pace of Progression (POP), your aid eligibility continues until you attempt 150% of the minimum credit hours required for your degree plan. For most students, once they attempt approximately 180 credit hours, their aid is discontinued.

# Registration

You will use MyUNT to register for courses each semester/term. Information on registration enrollment periods, payment deadlines, etc. can be located at registration.unt.edu.

#### Holds:

Holds are items that prevent you from registering until they are removed. Holds are listed on your "Tasks" tile in MyUNT. There are many types of holds. Two common holds are below.

## **UNT Registration Guide Hold**

Hold that you remove yourself. You will see this hold each term/semester until you graduate.

## **Advising Required Hold**

• Hold that is removed after you have been advised. You will see this hold if you are a new student or if you are on Academic Alert, Academic Probation or returning from Academic Suspension.

## Waitlist:

If a course is full, add yourself to the waitlist. Seats are allotted in position order. If seats open, you may move into a higher position and/or be enrolled into the course. The waitlist does not guarantee a seat in the course. Some tips regarding waitlist include:

- You can waitlist for a maximum of 3 courses per semester/term.
- The waitlist ends once registration closes for the semester/term.
- The waitlist cannot enroll you if you are already enrolled in another section of the same course.
- The waitlist cannot enroll you if you are enrolled in courses that time conflict with the waitlisted course.

#### Visual Schedule Builder:

This tool in MyUNT will allow you to graphically view schedule options based on the course time offerings that works best for you. Be certain to pay attention to notes about full (closed/waitlisted) courses, restricted course sections, and course locations to allow commute time between main campus, Discovery Park, and/or Frisco campuses.

# **Permission Code:**

A permission code is required to enroll in certain courses or course sections. Courses that are taken by engineering students usually never require a permission code.

# **Error Messages:**

If you receive an error message when attempting to enroll or waitlist into a course, please read the message to learn why you received it. Common errors refer to prerequisite, corequisite, and restricted sections.

# Overrides:

If you receive an error message by mistake (i.e. your transfer prerequisite or corequisite is not recognized by MyUNT), please contact the department that teaches the course to help with enrolling you into the course.

Scan the QR code or visit

engineering.unt.edu/support/undergraduate-advising for department contact information and the process to request an override.



#### Canvas

Canvas is the teaching tool that instructors use to post course syllabi, announcements, deadlines, assignments, grades, etc. You can also communicate with your instructors and classmates via Canvas. After registration, your enrolled courses will be added to Canvas.

## Degree Audit (Plan)

The degree audit is the tool that lists all requirements you must finish to earn your degree. It documents your completed and remaining requirements each semester/term. It is used to verify that you are on track for graduation. You can view your degree audit at **mydegreeaudit.unt.edu**. Please contact your advisor for any questions or concerns.

# **Transcript**

Your transcript contains your courses, grades, GPA, academic standing, and your major. If you added a minor and/or a certificate, those are also included. You can see an unofficial view of your transcript in the "My Academics" tile in MyUNT. You can request your official transcript through that same tile. You should check your transcript each semester.

# Graduation

Graduation may be achieved in 4 years depending on your math readiness, enrollment in the correct major courses that follow the correct requisite sequence and semester/term offering, your grades, and the number of courses/credits you complete each semester. Please note that graduation often occurs within 5-6 years for most students.

You should meet with your advisor for a graduation check the semester before you plan to graduate. You must apply for graduation before the beginning of your final semester via the "My Academics" tile in MyUNT. Refer to **registrar.unt.edu** for more information and the application deadline. Failure to apply by the deadline will result in your failure to graduate or earn your degree even if you complete all degree audit requirements.

If you enroll in courses at another institution during your final semester/term, your graduation will be delayed to the following semester/term.

#### Commencement

Commencement is the name of the graduation ceremony. It is offered in December for students who earn their degree in the fall semester. It is offered in May for students who earn their degree in the spring semester. Students who earn their degree in summer can choose to attend the December or May commencement.

To attend commencement, you must apply for graduation before the beginning of your final semester and be approved by your advisor. You cannot attend commencement for a semester in which you are not graduating. Refer to **unt.edu/commencement** for more information.

# Preparation Needed to Secure a Full-Time Job

# Get an Internship:

Most internships are paid and provides you with the hands-on experience that is needed to secure a full-time job after graduation. The Career Center can assist you with applying for internships, offer services in resume writing, cover letter writing, interviewing skills, etc. and host 2 career fairs each year at Discovery Park. Visit careercenter.unt.edu/internships for more information.

#### **Assist with Research:**

Research enhances your technical skills and can also provide hands-on experience. Opportunities exist in engineering departments and in national/international team competitions mentored by organizations or industry. Enrollment in zero credit hour research course(s) reflect your research experience but are non-graded and require no cost.

## **Earn a Graduate Degree:**

The Engineering Grad Track program allows you can take 3 courses that count toward both your bachelor's/master's degree or 4 courses that could toward both your bachelor's/doctorate degree, which accelerates your graduation date for the graduate degree and saves you money. You must apply for Grad Track prior to the start of your Senior Design/Capstone rotation. Please contact your department for more information.

# **Use STEM Smart Mentoring:**

Match with a mentor via **meangreenmentors.unt.edu/v2** to network with experienced industrial engineers, find your engineering path, and enhance your chance of career success.

# **Get Licensed:**

<u>Fundamentals of Engineering (FE) Exam:</u> is generally your first step in the process to becoming a professionally licensed engineer. It is designed for recent graduates and students who are close to finishing a degree. Passing this exam legally certifies you as an "engineer in training" (EIT) or an "engineer intern" (EI).

<u>Principles and Practices of Engineering (PE) Exam:</u> is the engineering profession's highest standard of competence. EITs and EIs are permitted to attempt the exam after completing a minimum of 4-6 years of professional work experience under the supervisor of a PE. Passing the PE exam qualifies you as a licensed professional engineer.

# **Biomedical Engineering (STEM Tracks)**

Bachelor of Science (B.S.) degree with a major in Biomedical Engineering Biomedical Engineering Department, Discovery Park (NTDP) K-220; (940) 565-3338

# **University Core**

# **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

# **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

## STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

## **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Minimum 2.0 GPA

# **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

## **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- ☐ MATH 2700, Linear Algebra (3 Hours)
- MATH 2730, Multivariable Calculus (3 Hours) or MATH 3350, Numerical Analysis (3 Hours)
- MATH 3410, Differential Equations (3 Hours)

# **SCIENCES**

- CHEM 1410, General Chemistry I (3 Hours) &
   CHEM 1430, General Chemistry I Lab (1 Hour)
- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- 1 Lab science and lab chosen from: BIOL 2301, Human Anatomy & Physiology (3 Hours) & BIOL 2311, Human Anatomy & Physiology Lab (1 Hour) or CHEM 1420, General Chemistry II (3 Hours) & CHEM 1440, General Chemistry II Lab (1 Hour) or PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)

# **Major Requirements**

Minimum 2.0 GPA

## **BIOMEDICAL ENGINEERING**

- BMEN 1300, Discover Biomedical Engineering (3 Hours)
- BMEN 1400, Software for Biomedical Engineers (3 Hours)
- BMEN 2200, Advanced Software for Biomedical Engineers (2 Hours)
- BMEN 2210, DAQ Practices (3 Hours)
- BMEN 2320, Biomedical Instrumentation (3 Hours)
- BMEN 3310, Engr. Measurements from Human Systems (3 Hours)
- BMEN 3311, Biomedical Signal Analysis (3 Hours)
- BMEN 3312, Introduction to Biomechanics (3 Hours)
- BMEN 3321, Biomaterials (3 Hours)
- BMEN 3350, Biomedical Transport Phenomena (3 Hours)
- BMEN 4007, Biomed. Experimental Design & Data Analysis (3 Hours)
- BMEN 4212, Senior Design I (3 Hours)
- BMEN 4222, Senior Design II (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)

## **ENGINEERING/SCIENCE TRACK**

Choose a track and complete a minimum of 6 courses (18 Hours) from

the list below:

- Track Course (3 Hours)
- □ Track Course (3 Hours)□ Track Course (3 Hours)
- Track Course (3 Hours)Track Course (3 Hours)
- Track Course (3 Hours)

# Comprehensive Biomedical Engineering Track:

BMEN 3600, 4000, 4100, 4200, 4310, and 4312

#### **Biomedical Instrumentation Track:**

EENG 2610/2611, 2620/2621, 2710/2711, 3510, and one 4\*\*\* level course.

#### **Biomechanics Track:**

ENGR 2301, 2302, 2332, MEEN 2210, and two MEEN 3\*\*\* and/or 4\*\*\* level courses. See advisor for specific course choices.

# **Biocomputing Track:**

CSCE 1030, 1040, 2100, 2110, and two CSCE 3\*\*\* and/or 4\*\*\* level courses.

# Biomaterials Track:

MTSE 3000, two courses from 3010, 3030, 3050, 3070, and three MTSE  $3^{***}$  or  $4^{***}$  level courses. MTSE 3001 is strongly recommended.

# Computational Epidemiology:

CSCE 1035, 1045, 2100, 2110, 3850, & CSCE 4820.

# Pre-Medical Track:

BIOL 1710, 1720, 1760, 2041/2042, 3451/3452, CHEM 2370/3210, and one class/lab chosen from BIOL 3770/4580 or BIOC 3621/3622.

Additional courses are required for admissions into medical school.

Completion of one of the tracks above can potentially earn a minor. Consult your advisor for more information.

# Biomedical Engineering (STEM Tracks) – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-req: MATH 1710		Su.
	BMEN	Discover BMEN	3	F.	BMEN	Software for BMEN	3	Sp.
e	1300	DISCOVET DIVIEN			1400	Pre-req: MATH 1650 or higher		op.
Year One	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Ϋ́	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Total Hours		14		Total Hours		15	
	MATH	Linear Algebra	3	F., Sp.,	MATH	Differential Equations	3	F., Sp.,
	2700	Pre-req: MATH 1720		Su.	3410	Pre-reg: MATH 1720		Su.
	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.	BMEN 2200	Advanced Software for BMEN Pre-reg: MATH 1720 and BMEN 1400	2	Sp.
wo	PHYS 1730	Mechanics Lab Co/Pre-req: PHYS 1710	1	F., Sp., Su.	BMEN 2320	Biomedical Instrumentation Pre-regs: BMEN 1300, 2210 Co/Pre-reg: BMEN 1400	3	Sp.
Year Two	BMEN 2210	DAQ Practices Pre-reg: MATH 1720	3	F.	Track Course	Track Course  Must complete any necessary pre-regs.	3	Varies
<b>&gt;</b>	Track	Track Course	3	Varies	Lab	Lab Science Lecture	3	F., Sp.,
	Course	Must complete any necessary pre-reqs.			Science	Must complete any necessary pre-regs.		Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Lab Science	Lab Science Lab  Must complete any necessary pre-reqs.	1	F., Sp., Su.
	Total Hours		16		Total Hours		15	
•	ı		-	ı		<u></u>	1	
	MATH 2730	Multivariable Calculus Pre-req: MATH 1720	3	F., Sp., Su.	BMEN 3312	Introduction to Biomechanics Pre-regs: BMEN 3310, PHYS 1710	3	Sp.
	BMEN 3310	Human Systems Pre-regs: BMEN 1300, 2200, 2320	3	F.	BMEN 3321	Biomaterials Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410	3	Sp.
hree	BMEN 3311	Signal Analysis Pre-req: BMEN 2320	3	F.	Track Course	Track Course  Must complete any necessary pre-reqs.	3	Varies
Year Three	BMEN 3350	Transport Phenomena Pre-regs: BMEN 1300, MATH 3410, PHYS 1710, CHEM 1410	3	F.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	DA450				DA450			
	BMEN 4212	Senior Design I Pre-regs: BMEN 3*** Requirements	3	F.	BMEN 4222	Senior Design II Pre-reqs: BMEN 4212	3	Sp.
	BMEN 4007	Experimental Design & Data Analysis  Pre-reg: MATH 2700	3	F.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
Year Four	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
ear	Track	Track Course	3	Varies	Track	Track Course	3	Varies
<b>&gt;</b>	Course Track	Must complete any necessary pre-reqs.	3	F., Sp.,	Course University	Must complete any necessary pre-reqs.	3	F., Sp.,
	Course	Track Course  Must complete any necessary pre-reqs.	3	F., Sp., Su.	Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	1 .10013	İ	1 +3	1	110013	T .	1 1	i

ENGL, TECM, MATH, CHEM, BIOL, PHYS, BMEN and Elective track 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. You should check your degree audit at mydegreeaudit.unt.edu each term.

You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Biomedical Engineering (STEM Tracks) - Pre-Calculus

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Pre-Calculus	5	F., Sp.,	MATH	Calculus I	4	F., Sp.,
	1650	Pre-req: MATH 1100 or Test Placement		Su.	1710	Pre-req: MATH 1650 or Test Placement		Su.
One	BMEN 1300	Discover BMEN	3	F.	BMEN 1400	Software for BMEN Pre-req: MATH 1650 or higher	3	Sp.
Year One	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
	Total Hours		14		TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
					Total Hours		14	
	1			1			1	1
	MATH 1720	Calculus II Pre-req: MATH 1710	4	F., Sp., Su.	MATH 2700	Linear Algebra  Pre-req: MATH 1720	3	F., Sp., Su.
	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.	Lab Science	Lab Science Lecture  Must complete any necessary pre-regs.	3	F., Sp., Su.
	PHYS	Mechanics Lab	1	F., Sp.,	Lab	Lab Science Corresponding Lab	1	F., Sp.,
Š	1730	Co/Pre-req: PHYS 1710	1	Su.	Science	Co/Pre-req: Lab Science Lecture	_	Su.
Year Two	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	BMEN 2200	Advanced Software for BMEN Pre-req: MATH 1720 and BMEN 1400	2	Sp.
	Track Course	Track Course  Must complete any necessary pre-reqs.	3	Varies	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		12	
	B 44 T	Large	T =	l = ^			T 2	l = ^
	MATH 3410	Differential Equations Pre-req: MATH 1720	3	F., Sp., Su.	MATH 2730	Multivariable Calculus Pre-req: MATH 1720	3	F., Sp., Su.
hree	BMEN 2210	DAQ Practices Pre-req: MATH 1720	3	F.	BMEN 2320	Biomedical Instrumentation Pre-regs: BMEN 1300, 2210 Co/Pre-reg: BMEN 1400	3	Sp.
Year Three	Track Course	Track Course  Must complete any necessary pre-regs.	3	Varies	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
>	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total				Total			
	Hours		12		Hours		12	
	BMEN	Human Systems	3	F.	BMEN	Introduction to Biomechanics	3	Sp.
	3310	Pre-regs: BMEN 1300,2200, 2320			3312	Pre-regs: BMEN 3310, PHYS 1710		
Ŀ	BMEN 3311	Signal Analysis Pre-req: BMEN 2320	3	F.	BMEN 3321	Biomaterials Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410	3	Sp.
Year Four	BMEN 3350	Transport Phenomena Pre-regs: BMEN 1300, MATH 3410, PHYS 1710, CHEM 1410	3	F.	Track Course	Track Course  Must complete any necessary pre-regs.	3	Varies
>	Track Course	Track Course  Must complete any necessary pre-regs.	3	Varies	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		12		Total Hours		12	
	BMEN 4212	Senior Design I Pre-regs: BMEN 3*** Requirements	3	F.	BMEN 4222	Senior Design II Pre-regs: BMEN 4212	3	Sp.
ve	BMEN 4007	Experimental Design & Data Analysis  Pre-reg: MATH 2700	3	F.	BMEN Course	BMEN Advanced Elective Course Pre-reqs: BMEN 3*** Requirements	3	F., Sp.
Year Five	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
×	Track	Track Course	3	Varies	Track	Track Course	3	Varies
	Course Total	Must complete any necessary pre-reqs.			Course Total	Must complete any necessary pre-reqs.		
	Hours		12		Hours		12	

# Biomedical Engineering (STEM Tracks) - College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	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.
Ð	BMEN 1300	Discover BMEN	3	F.	CHEM 1410	General Chemistry I  Pre-req: MATH 1100 or higher	3	F., Sp., Su.
ar One	Comm.	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
Year	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing  Pre-rea: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours	The reg. communication core	15	
	Total Hours		15					
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710 Lab	Pre-req: MATH 1650 or Test Placement  Lab Science Lecture	3	Su. F., Sp.,	1720 BMEN	Pre-req: MATH 1710 Software for BMEN	3	Su. Sp.
wo	Science Lab	Must complete any necessary pre-reqs.  Lab Science Corresponding Lab	1	Su. F., Sp.,	1400 PHYS	Pre-req: MATH 1650 or higher Mechanics	3	F., Sp.,
Year Two	Science University	Co/Pre-req: Lab Science Lecture Options on mydegreeaudit.unt.edu	3	Su. F., Sp.,	1710 PHYS	Pre-req: MATH 1710  Mechanics Lab	1	Su. F., Sp.,
<b>&gt;</b>	Core University	Options on mydegreeaudit.unt.edu	3	Su. F., Sp.,	1730 University	Co/Pre-req: PHYS 1710 Options on mydegreeaudit.unt.edu	3	Su. F., Sp.,
	Core Total			Su.	Core Total			Su.
į.	Hours		14		Hours		13	
	MATH 2700	Linear Algebra Pre-req: MATH 1720	3	F., Sp., Su.	MATH 3410	Differential Equations Pre-req: MATH 1720	3	F., Sp., Su.
	2210	DAQ Practices Pre-req: MATH 1720	3	F.	2200	Advanced Software for BMEN  Pre-req: MATH 1720 and BMEN 1400	2	Sp.
Year Three	Track Course	Track Course  Must complete any necessary pre-reqs.	3	Varies	BMEN 2320	Biomedical Instrumentation Pre-regs: BMEN 1300, 2210 Co/Pre-reg: BMEN 1400	3	Sp.
Year	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Track Course	Track Course  Must complete any necessary pre-reqs.	3	F., Sp., Su.
	Total Hours		12		University Core Total	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Hours		14	
	MATH 2730	Multivariable Calculus Pre-req: MATH 1720	3	F., Sp., Su.	BMEN 3312	Introduction to Biomechanics Pre-regs: BMEN 3310, PHYS 1710	3	Sp.
Year Four	BMEN 3310	Human Systems Pre-reqs: BMEN 1300, 2200, 2320	3	F.	BMEN 3321	Biomaterials  Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410	3	Sp.
Ye	BMEN 3311	Signal Analysis Pre-req: BMEN 2320	3	F.	Track Course	Track Course Must complete any necessary pre-reqs.	3	Varies
	BMEN 3350	Transport Phenomena Pre-regs: BMEN 1300, MATH 3410, PHYS 1710, CHEM 1410	3	F.	Track Course	Track Course Must complete any necessary pre-regs.	3	Varies
	Total Hours		12		Total Hours		12	
	BMEN 4212	Senior Design I Pre-regs: BMEN 3*** Requirements	3	F.	BMEN 4222	Senior Design II Pre-regs: BMEN 4212	3	Sp.
Year Five	BMEN 4007	Experimental Design & Data Analysis  Pre-reg: MATH 2700	3	F	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
Year	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
	Track Course	Track Course  Must complete any necessary pre-regs.	3	F.	Track Course	Track Course  Must complete any necessary pre-reqs.	3	Varies
	Total Hours		12		Total Hours		12	

# **Biomedical Engineering (Business Tracks)**

Bachelor of Science (B.S.) degree with a major in Biomedical Engineering Biomedical Engineering Department, Discovery Park (NTDP) K-220; (940) 565-3338

# **University Core**

#### COMMUNICATION

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

# STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Minimum 2.0 GPA

#### **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- MATH 2700, Linear Algebra (3 Hours)
- MATH 2730, Multivariable Calculus (3 Hours) or MATH 3350, Numerical Analysis (3 Hours)
- MATH 3410, Differential Equations (3 Hours)

# **SCIENCES**

- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)
- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- 1 Lab science and lab chosen from:
  BIOL 2301, Human Anatomy & Physiology (3 Hours) &
  BIOL 2311, Human Anatomy & Physiology Lab (1 Hour) or
  CHEM 1420, General Chemistry II (3 Hours) &
  CHEM 1440, General Chemistry II Lab (1 Hour) or
  PHYS 2220, Electricity & Magnetism (3 Hours) &
  PHYS 2240, Electricity & Magnetism Lab (1 Hour)

# **Major Requirements**

Minimum 2.0 GPA

## **BIOMEDICAL ENGINEERING**

- BMEN 1300, Discover Biomedical Engineering (3 Hours)
- BMEN 1400, Software for Biomedical Engineers (3 Hours)
- BMEN 2200, Advanced Software for Biomedical Engineers (2 Hours)
- BMEN 2210, DAQ Practices (3 Hours)
- BMEN 2320, Biomedical Instrumentation (3 Hours)
- BMEN 3310, Engr. Measurements from Human Systems (3 Hours)
- BMEN 3311, Biomedical Signal Analysis (3 Hours)
- BMEN 3312, Introduction to Biomechanics (3 Hours)
- BMEN 3321, Biomaterials (3 Hours)
- BMEN 3350, Biomedical Transport Phenomena (3 Hours)
- BMEN 4007, Biomed. Experimental Design & Data Analysis (3 Hours)
- BMEN 4212, Senior Design I (3 Hours)
- BMEN 4222, Senior Design II (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)
- BMEN 3\*\*\* or 4\*\*\*, Advanced Elective Course (3 Hours)

# **BUSINESS TRACK**

Choose a track and complete a minimum of 4 courses (12 Hours) from the list below:

- Track Course (3 Hours)
- Track Course (3 Hours)
- □ Track Course (3 Hours)
- ☐ Track Course (3 Hours)

## **Business Foundations Track:**

ACCT 2010\*, ACCT 2020, FINA 3770, MKTG 3651, MGMT 3721 or MGMT 3820, and a 3\*\*\* or 4\*\*\* level Business course

\*ACCT 2010 requires ECON 1100 as Pre/Co-requisite. ECON 1100 also applies towards Social and Behavioral Sciences Core requirement.

# Entrepreneurship and Enterprise Management Track

MGMT 3820, MGMT 3850, and 12 hours (four courses at 3 credit hours each) from appropriate MGMT selections in catalog.

## Management Track

MGMT 3721 and 15 hours (five courses at 3 credit hours each) from appropriate MGMT selections in catalog.

# Marketing Track

MKTG 3651 and 15 hours (five courses at 3 credit hours each) from appropriate MKTG selections in catalog.

Only four courses from a track are required for degree completion. Listed above are the requirements to earn a minor if you would like. See your advisor for more information.

# Biomedical Engineering (Business Tracks) – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester		Hours	Offered	Semester		Hours	Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-req: MATH 1710		Su.
	BMEN	Discover BMEN	3	F.	BMEN	Software for BMEN	3	Sp.
ē	1300				1400	Pre-req: MATH 1650 or higher		
ŏ	CHEM	General Chemistry I	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
Year One	1410	Pre-reg: MATH 1100 or higher		Su.	Core	The second sec		Su.
ĕ	CHEM	General Chemistry I Lab	1	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	1430	Co/Pre-req: CHEM 1410	_	Su.	Core	Options on mydegreedudit.dnt.edu		Su.
	Comm.	Options on mydegreeaudit.unt.edu	3	F., Sp.,	TECM	Technical Writing	3	F., Sp.,
	Core	Options on mydegreeaudit.unt.edu	3	Γ., 3ρ., Su.	2700		3	Su.
				Ju.		Pre-req: Communication Core		Ju.
	Total		1.1		Total		1.5	
	Hours		14		Hours		15	
		r	1 -			T		
	MATH	Linear Algebra	3	F., Sp.,	MATH	Differential Equations	3	F., Sp.,
	2700	Pre-req: MATH 1720		Su.	3410	Pre-req: MATH 1720		Su.
	PHYS	Mechanics	3	F., Sp.,	BMEN	Advanced Software for BMEN	2	Sp.
	1710	Pre-req: MATH 1710		Su.	2200	Pre-req: MATH 1720 and BMEN 1400		
	PHYS	Mechanics Lab	1	F., Sp.,	BMEN	Biomedical Instrumentation	3	Sp.
_	1730	Co/Pre-reg: PHYS 1710		Su.	2320	Pre-regs: BMEN 1300, 2210		
×		.,				Co/Pre-reg: BMEN 1400		
Year Two	BMEN	DAQ Practices	3	F.	Lab	Lab Science Lecture	3	F., Sp.,
eal	2210	Pre-reg: MATH 1720			Science	Must complete any necessary pre-reqs.		Su.
>	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Lab	Lab Science Corresponding Lab	1	F., Sp.,
	Core	Options on mydegreeaudit.unt.edu	3	Su.	Science		1	Su.
		Outilities and an analysis of the section	3			Co/Pre-req: Lab Science Lecture	3	
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total			Ju.	Total			Ju.
	Hours		16		Hours		15	
	Hours		10		Hours		13	
	MATH	Multivariable Calculus	3	F., Sp.,	BMEN	Introduction to Biomechanics	3	Sp.
	2730	Pre-reg: MATH 1720		Su.	3312	Pre-regs: BMEN 3310, PHYS 1710		Sp.
	BMEN		3	F.	BMEN	Biomaterials	3	Sp.
	3310	Human Systems	3	1.	3321	Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410	3	Jμ.
		Pre-reqs: BMEN 1300, 2200, 2320				· · · · · · · · · · · · · · · · · · ·	_	
ee	BMEN	Signal Analysis	3	F.	Business	Track Course	3	Varies
غ. ا	3311	Pre-req: BMEN 2320			Track	Must complete any necessary pre-reqs.		
	BMEN	Transport Phenomena			Business	Track Course		
Year Three	3350	Pre-reqs: BMEN 1300, MATH 3410, PHYS	3	F.	Track	Must complete any necessary pre-reqs.	3	Varies
>		1710, CHEM 1410						
	Business	Track Course	3	Varies	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Track	Must complete any necessary pre-reqs.			Core			Su.
	Total				Total			
	Hours		15		Hours		15	
	BMEN	Senior Design I	3	F.	BMEN	Senior Design II	3	Sp.
	4212	Pre-reqs: BMEN 3*** Requirements			4222	Pre-regs: BMEN 4212	<u> </u>	
	BMEN	Experimental Design & Data Analysis	3	F	BMEN	BMEN Advanced Elective Course	3	F., Sp.
	4007	Pre-req: MATH 2700			Course	Pre-regs: BMEN 3*** Requirements		
5	BMEN	BMEN Advanced Elective Course	3	F., Sp.	BMEN	BMEN Advanced Elective Course	3	F., Sp.
P.	Course	Pre-regs: BMEN 3*** Requirements			Course	Pre-reqs: BMEN 3*** Requirements		
Year Four	BMEN	BMEN Advanced Elective Course	3	F., Sp.	BMEN	BMEN Advanced Elective Course	3	F., Sp.
(ĕ	Course	Pre-regs: BMEN 3*** Requirements		, Jp.	Course	Pre-reqs: BMEN 3*** Requirements		, sp.
	Business	,	3	Varies	University		3	F., Sp.,
	Track	Track Course	3	varies	Core	Options on mydegreeaudit.unt.edu	3	r., sp., Su.
		Must complete any necessary pre-reqs.					1	Ju.
	Total		1		Total	İ	i	Ī
	Hours		15		Hours		15	

ENGL, TECM, MATH, CHEM, BIOL, PHYS, BMEN and Business track 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. You should check your degree audit at mydegreeaudit.unt.edu each term.

You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Biomedical Engineering (Business Tracks) – Pre-Calculus

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1650	Pre-Calculus Pre-req: MATH 1100 or Test Placement	5	F., Sp., Su.	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.
e e	BMEN 1300	Discover BMEN	3	F.	BMEN 1400	Software for BMEN Pre-req: MATH 1650 or higher	3	Sp.
Year One	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
Ye	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
	Total Hours		14		TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
					Total Hours		14	
	MATH	Calculus II	4	F., Sp.,	MATH	Linear Algebra	3	F., Sp.,
	1720 PHYS 1710	Pre-req: MATH 1710  Mechanics	3	Su. F., Sp., Su.	2700 Lab Science	Pre-req: MATH 1720  Lab Science Lecture	3	Su. F., Sp., Su.
[wo	PHYS 1730	Pre-req: MATH 1710  Mechanics Lab	1	F., Sp., Su.	Lab Science	Must complete any necessary pre-regs.  Lab Science Corresponding Lab	1	F., Sp., Su.
Year Two	University Core	Co/Pre-req: PHYS 1710  Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	BMEN 2200	Co/Pre-req: Lab Science Lecture  Advanced Software for BMEN  Pre-req: MATH 1720 and BMEN 1400	2	Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		12	
	MATH	Differential Equations	3	F., Sp.,	MATH	Multivariable Calculus	3	F., Sp.,
ee	3410 BMEN	Pre-req: MATH 1720 DAQ Practices	3	Su. F.	2730 BMEN	MATH 2730 Pre-req: MATH 1720  Biomedical Instrumentation	3	Su. Sp.
Year Three	2210	Pre-req: MATH 1720	3	F C	2320	Pre-regs: BMEN 1300, 2210 Co/Pre-reg: BMEN 1400	3	Varios
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Business Track	Track Course  Must complete any necessary pre-regs.		Varies
	University Core Total	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core Total	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Hours		12		Hours		12	
	BMEN 3310	Human Systems Pre-regs: BMEN 1300, 2200, 2320	3	F.	BMEN 3312	Introduction to Biomechanics Pre-regs: BMEN 3310, PHYS 1710	3	Sp.
'n	BMEN 3311	Signal Analysis Pre-req: BMEN 2320	3	F.	BMEN 3321	Biomaterials Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410	3	Sp.
Year Four	BMEN 3350	Transport Phenomena Pre-regs: BMEN 1300, MATH 3410, PHYS 1710, CHEM 1410	3	F.	Business Track	Track Course Must complete any necessary pre-regs.	3	Varies
	Business Track	Track Course  Must complete any necessary pre-regs.	3	Varies	Business Track	Track Course Must complete any necessary pre-reqs.	3	Varies
	Total Hours		12		Total Hours		12	
	BMEN 4212	Senior Design I Pre-regs: BMEN 3*** Requirements	3	F.	BMEN 4222	Senior Design II Pre-regs: BMEN 4212	3	Sp.
Five	BMEN 4007	Experimental Design & Data Analysis  Pre-reg: MATH 2700	3	F	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
Year Five	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	Varies	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
	Total Hours		12		Total Hours		12	

# Biomedical Engineering (Business Tracks) - College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1100	College Algebra	3	F., Sp., Su.	MATH 1650	Pre-Calculus	5	F., Sp., Su.
	BMEN	Pre-req: TSI Completion Discover BMEN	3	F., Sp.,	CHEM	Pre-req: MATH 1100 or Test Placement General Chemistry I	3	F., Sp.,
One	1300		2	Su.	1410	Pre-req: MATH 1100 or higher		Su.
Year C	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
Ϋ́e	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing	3	F., Sp., Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total	Pre-req: Communication Core		Ju.
	Core Total			Su.	Hours		12	
	Hours		15					
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710 Lab	Pre-req: MATH 1650 or Test Placement	3	Su. F., Sp.,	1720 BMEN	Pre-reg: MATH 1710	3	Su. Sp.
	Science	Lab Science Lecture  Must complete any necessary pre-reqs.	3	ε., 3μ., Su.	1400	Software for BMEN Pre-req: MATH 1650 or higher	3	3μ.
Year Two	Lab Science	Lab Science Corresponding Lab Co/Pre-req: Lab Science Lecture	1	F., Sp., Su.	PHYS 1710	Mechanics Pre-req: MATH 1710	3	F., Sp., Su.
ear	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	PHYS	Mechanics Lab	1	F., Sp.,
۶	Core	, , ,		Su.	1730	Co/Pre-req: PHYS 1710		Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		13	
							· .	
	MATH 2700	Linear Algebra  Pre-req: MATH 1720	3	F., Sp., Su.	MATH 3410	Differential Equations Pre-req: MATH 1720	3	F., Sp., Su.
	BMEN 2210	DAQ Practices Pre-reg: MATH 1720	3	F.	BMEN 2200	Advanced Software for BMEN Pre-reg: MATH 1720 and BMEN 1400	2	Sp.
a	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	BMEN 2320	Biomedical Instrumentation  Pre-regs: BMEN 1300, 2210 Co/Pre-reg:	3	Sp.
hre						BMEN 1400	_	
Year Three	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Business Track	Track Course  Must complete any necessary pre-reqs.	3	Varies
×					Business Track	Track Course Must complete any necessary pre-regs.	3	Varies
	Total				Total	must complete any necessary pre regs.		
	Hours		12		Hours		14	
	MATH 2730	Multivariable Calculus	3	F., Sp.,	BMEN	Introduction to Biomechanics	3	Sp.
_	BMEN	Pre-req: MATH 1720 Human Systems	3	Su. F.	3312 BMEN	Pre-reqs: BMEN 3310, PHYS 1710 Biomaterials	3	Sp.
Year Four	3310	Pre-reqs: BMEN 1300, 2200, 2320			3321	Pre-regs: BMEN 3310, PHYS 1710, CHEM 1410		<b>5</b> p.
Yea	BMEN 3311	Signal Analysis Pre-reg: BMEN 2320	3	F.	Business Track	Track Course Must complete any necessary pre-reqs.	3	Varies
	BMEN	Transport Phenomena	3	F.	Business	Track Course	3	Varies
	3350	Pre-regs: BMEN 1300, MATH 3410, PHYS 1710, CHEM 1410			Track	Must complete any necessary pre-reqs.		
	Total Hours		12		Total Hours		12	
	DIVENI	Sonior Docign I			DIVENI	Sonior Docigo II	٠ -	Cn.
	BMEN 4212	Senior Design I Pre-reqs: BMEN 3*** Requirements	3	F.	BMEN 4222	Senior Design II Pre-regs: BMEN 4212	3	Sp.
ive	BMEN 4007	Experimental Design & Data Analysis  Pre-req: MATH 2700	3	F	BMEN Course	BMEN Advanced Elective Course Pre-reqs: BMEN 3*** Requirements	3	F., Sp.
Year Five	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.	BMEN Course	BMEN Advanced Elective Course Pre-regs: BMEN 3*** Requirements	3	F., Sp.
>	BMEN	BMEN Advanced Elective Course	3	F.	BMEN	BMEN Advanced Elective Course	3	F., Sp.
	Course Total	Pre-reqs: BMEN 3*** Requirements			Course Total	Pre-regs: BMEN 3*** Requirements		
	Hours		12		Hours		12	

# **Computer Engineering**

Bachelor of Science (B.S.) degree with a major in Computer Engineering
Department of Computer Science and Engineering, Discovery Park (NTDP) F-201; (940) 565-2767

# **University Core**

#### **COMMUNICATION**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

# **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

#### FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### CREATIVE ARTS

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

■ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Grades of C or better

# **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

# **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- MATH 2700, Linear Algebra (3 Hours)
- ☐ MATH 2730, Multivariable Calculus (3 Hours)
- MATH 3680, Applied Statistics (3 Hours)

or

MATH 1780, Probability Models (3 Hours)

#### **SCIENCES**

- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)
- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)

# **Major Requirements**

Grades of C or better

#### **ELECTRICAL ENGINEERING**

- EENG 2610, Circuit Analysis (3 Hours) &
   EENG 2611, Circuit Analysis Lab (1 Hour)
- ☐ EENG 2710, Digital Logic Design (3 Hours) & EENG 2711, Digital Logic Lab (1 Hour)
- EENG 3510, Electronics I (3 Hours)

# **COMPUTER ENGINEERING**

- □ CSCE 1010, Discovering Computer Science (3 Hours)
- □ CSCE 1015, Computing Tools and Techniques Lab (1 Hour)
- □ CSCE 1030, Computer Science I (3 Hours)
- □ CSCE 1040, Computer Science II (3 Hours)
- □ CSCE 2100, Foundations of Computing (3 Hours)
- □ CSCE 2110, Foundations of Data Structures (3 Hours)
- □ CSCE 2610, Assembly Lang. & Computer Organization (3 Hours)
- □ CSCE 3010, Signals & Systems (3 Hours)
- □ CSCE 3020, Communication Systems (3 Hours)
- □ CSCE 3600, Principles of Systems Programming (3 Hours)
- □ CSCE 3610, Introduction to Computer Architecture (3 Hours)
- □ CSCE 3612, Embedded Systems Design (3 Hours)
- □ CSCE 3730, Reconfigurable Logic (3 Hours)
- □ CSCE 4010, Social Issues in Computing (3 Hours)
- □ CSCE 4910, Senior Design I (3 Hours)
- □ CSCE 4915, Senior Design II (3 Hours)

# **SPECIALTIZATION AREA**

Choose a specialization area and complete 3 courses from the list below:

- □ Specialization Area Course (3 Hours)
- Specialization Area Course (3 Hours)
- Specialization Area Course (3 Hours)

# Artificial Intelligence and Machine Learning (Choose 3 courses):

CSCE 3110, 4200, 4201, 4205, 4290, 4380, 4890

# Real-time & Embedded Systems (Choose 3 courses):

CSCE 3444, 4440, 4600, 4610, 4620, 4730, 4890

# VLSI & Electronics (Choose 3 courses):

CSCE 4610, 4730, 4890, PHYS 4500

# Communications & Networks (Choose 3 courses):

CSCE 3420, 3530, 3550, 4510, 4520, 4530, 4560, 4890

## Computer Systems (Choose 3 courses):

CSCE 4050, 4160, 4240, 4600, 4610, 4620, 4650, 4730, 4890

Maximum of 6 hours may be taken from CSCE 4890

# Computer Engineering – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1720	Calculus II Pre-req: MATH 1710	3	F., Sp., Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab  Co-reg: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher. Co-req: CHEM 1430	3	F., Sp., Su.	CSCE 1030	Computer Science   Pre-regs: MATH 1100 & CSCE 1010 Co-reg: CSCE 1015	3	F., Sp., Su.
Yea	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.	TECM 2700	Technical Writing  Pre-req: Communication Core	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		16	
	MATH 2730	Multivariable Calculus Pre-reg: MATH 1720	3	F., Sp., Su.	MATH 2700	Linear Algebra Pre-reg: MATH 1720	3	F., Sp., Su.
	CSCE 1040	Computer Science II Pre-regs: MATH 1100 & CSCE 1030	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Co-req: MATH 1710	3	F., Sp., Su.
0	PHYS 1710	Mechanics Pre-req: MATH 1710. Co-req: PHYS 1730	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Year Two	PHYS 1730	Mechanics Lab Co/Pre-req: PHYS 1710	1	F., Sp., Su.	PHYS 2220	Electricity & Magnetism Pre-regs: PHYS 1710, 1730 Co-reg: PHYS 2240, MATH 1720	3	F., Sp., Su.
	EENG 2710	Digital Logic Co-req: EENG 2711	3	F., Sp., Su.	PHYS 2240	Electricity & Magnetism Lab Co/Pre-req: PHYS 2220	1	F., Sp., Su.
	EENG 2711	Digital Logic Lab Co-req: EENG 2710	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		16	
	MATH 3680	Applied Statistics Co/Pre-req: MATH 1720	3	F., Sp.	CSCE 3612	Embedded Systems Pre-regs: CSCE 2610, EENG 2710, 2711	3	Sp., Su.
	CSCE 2610	Assembly Lang. & Computer Org.  Pre-req: CSCE 2100  Co/Pre-req: EENG 2710, 2711	3	F., Sp., Su.	EENG 3510	Electronics I Pre-req: EENG 2610, 2611	3	F., Sp.
ree	CSCE 3600	Systems Programming Pre-reg: CSCE 2100 & CSCE 2110	3	F., Sp.	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	Varies
Year Thr	EENG 2610	Circuit Analysis Pre-req: MATH 1720 Co/pre-req: PHYS 2220, 2240, EENG 2611	3	F., Sp. Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
_	EENG 2611	Circuit Analysis Lab Co/pre-req: EENG 2610	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		15	
	Total Hours		16					
	CSCE 3010	Signals and Systems Pre-regs: EENG 2610, 2611, MATH 2730 or 3410	3	F.	CSCE 3020	Communications Systems Pre-req: CSCE 3010	3	Sp.
	CSCE 3730	Reconfigurable Logic Pre-req: CSCE 2610	3	F.	CSCE 3610	Intro to Computer Architecture Pre-regs: CSCE 2610 and CSCE 3730	3	Sp.
	CSCE 4910	Senior Design I Pre-regs: CSCE 3612, EENG 3510	3	F.	CSCE 4010	Social Issues in Computing Pre-req: CSCE 3600	3	F., Sp., Su.
Four	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	Varies	CSCE 4915	Senior Design II Pre-req: CSCE 4910	3	F., Sp., Su.
Year Four	CSCE Specialty	Options at mydegreeaudit.unt.edu  Must complete pre-reqs	3	Varies	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15	_	Total Hours		15	

# Computer Engineering – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1650	Pre-Calculus Pre-reg: MATH 1100 or Test Placement	5	F., Sp., Su.	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-reg: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.	CSCE 1030	Computer Science I Pre-regs: MATH 1100 & CSCE 1010 Co-reg: CSCE 1015	3	F., Sp., Su.
Yea	CHEM 1430	General Chemistry I Lab Co/Pre-reg: CHEM 1410	1	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		18		Total Hours		17	
	MATH	Calculus II	3	F., Sp.,	MATH	Multivariable Calculus	3	F., Sp.,
	1720 CSCE 1040	Pre-req: MATH 1710  Computer Science II  Pre-reqs: MATH 1100 & CSCE 1030	3	Su. F., Sp., Su.	2730 CSCE 2100	Pre-req: MATH 1720  Foundations of Computing Pre-req: CSCE 1040 or 1045.	3	Su. F., Sp., Su.
9	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.	CSCE 2110	Coreq: MATH 1710 Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Year Two	PHYS 1730	Mechanics Lab Co/Pre-req: PHYS 1710	1	F., Sp., Su.	PHYS 2220	Electricity & Magnetism Pre-regs: PHYS 1710, 1730 Co-reg: PHYS 2240, MATH 1720	3	F., Sp., Su.
	EENG 2710	Digital Logic Co-req: EENG 2711	3	F., Sp., Su.	PHYS 2240	Electricity & Magnetism Lab Co/Pre-req: PHYS 2220	1	F., Sp., Su.
	EENG 2711	Digital Logic Lab Co-req: EENG 2710	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		16	
	MATH 2700	Linear Algebra Pre-reg: MATH 1720	3	F., Sp., Su.	MATH 3680	Applied Statistics Co/Pre-req: MATH 1720	3	F., Sp.
	CSCE 2610	Assembly Lang. & Computer Org.  Pre-regs: CSCE 2100, Co/Pre-reg: EENG 2710	3	F., Sp., Su.	CSCE 3612	Embedded Systems Pre-regs: CSCE 2610, EENG 2710, 2711	3	Sp., Su.
e e	CSCE 3600	Systems Programming Pre-reg: CSCE 2100 & CSCE 2110	3	F., Sp.	EENG 3510	Electronics I  Pre-req: EENG 2610, 2611	3	F., Sp.
Year Three	EENG 2610	Circuit Analysis Pre-req: MATH 1720 Co/pre-req: PHYS 2220, 2240, EENG 2611	3	F., Sp. Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Ye	EENG 2611	Circuit Analysis Lab Co/pre-req: EENG 2610	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		15	
	Total Hours		16					
	CSCE 3010	Signals and Systems	3	F.	CSCE 3020	Communications Systems	3	Sp.
	CSCE 3730	Pre-regs: EENG 2610, 2611, MATH 2730 or 3410  Reconfigurable Logic  Pre-reg: CSCE 2610	3	F.	CSCE 3610	Pre-req: CSCE 3010 Intro to Computer Architecture Pre-reqs: CSCE 2610 and CSCE 3730	3	Sp.
our	CSCE 4910	Senior Design I Pre-regs: CSCE 3612, EENG 3510	3	F.	CSCE 4915	Senior Design II Pre-req: CSCE 4910	3	Sp.
Year Four	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	CSCE 4010	Social Issues in Computing Pre-reg: CSCE 3600	3	F., Sp., Su.
	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.
	Total Hours		15		Total Hours		15	

# Computer Engineering – College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1100	College Algebra	3	F., Sp., Su.	MATH 1650	Pre-Calculus	5	F., Sp., Su.
	CSCE 1010	Pre-req: TSI Completion  Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Pre-req: MATH 1100 or Test Placement  Computing Tools & Techniques Lab Co-req: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1030	Computer Science I  Pre-regs: MATH 1100 & CSCE 1010  Co-req: CSCE 1015	3	F., Sp., Su.
×	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		12	
	Total Hours		15					
	MATH 1710	Calculus I	4	F., Sp., Su.	MATH 1720	Calculus II	3	F., Sp., Su.
	CSCE 1040	Pre-req: MATH 1650 or Test Placement  Computer Science II  Pre-reqs: MATH 1100 & CSCE 1030	3	F., Sp., Su.	CSCE 2110	Pre-req: MATH 1710  Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
ΓWO	CHEM 1410	General Chemistry I  Pre-reg: MATH 1100 or higher	3	F., Sp., Su.	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.
Year Two	CHEM 1430	General Chemistry I Lab Co/Pre-reg: CHEM 1410	1	F., Sp., Su.	PHYS 1730	Mechanics Lab Co/Pre-reg: PHYS 1710	1	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		14		Total Hours		13	
	MATH 2730	Multivariable Calculus	3	F., Sp., Su.	MATH 2700	Linear Algebra	3	F., Sp., Su.
	PHYS 2220	Pre-req: MATH 1720  Electricity & Magnetism Pre-reqs: PHYS 1710, 1730	3	F., Sp., Su.	CSCE 2610	Pre-req: MATH 1720  Assembly Lang. & Computer Org. Pre-reqs: CSCE 2100, Co/Pre-req: EENG 2710	3	F., Sp., Su.
ee	PHYS 2240	Co-req: PHYS 2240, MATH 1720 Electricity & Magnetism Lab Co/Pre-req: PHYS 2220	1	F., Sp., Su.	CSCE 3600	Systems Programming Pre-regs: CSCE 2110 & CSCE 2110	3	F., Sp.
Year Three	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Coreq: MATH 1710	3	F., Sp., Su.	EENG 2610	Circuit Analysis Pre-req: MATH 1720 Co/pre-req: PHYS 2220, 2240, EENG 2611	3	F., Sp., Su.
_	EENG 2710	Digital Logic Co-req: EENG 2711	3	F., Sp., Su.	EENG 2611	Circuit Analysis Lab Co/pre-req: EENG 2610	1	F., Sp., Su.
	EENG 2711	Digital Logic Lab Co-req: EENG 2710	1	F., Sp., Su.	Total Hours		13	
	Total Hours		14					
	MATH 3680	Applied Statistics Co/Pre-reg: MATH 1720	3	F., Sp.	CSCE 3020	Communications Systems Pre-reg: CSCE 3010	3	Sp.
'n	CSCE 3010	Signals and Systems Pre-regs: EENG 2610, 2611, MATH 2730 or 3410	3	F.	CSCE 3610	Intro to Computer Architecture Pre-regs: CSCE 2610 and CSCE 3730	3	Sp.
Year Four	CSCE 3730	Reconfigurable Logic Pre-req: CSCE 2610	3	F.	CSCE 3612	Embedded Systems Pre-regs: CSCE 2610, EENG 2710, 2711	3	Sp., Su.
Ye	EENG 3510	Electronics I Pre-req: EENG 2610, 2611	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		12		Total Hours		12	
	CSCE 4910	Senior Design I Pre-regs: CSCE 3612, EENG 3510	3	F.	CSCE 4010	Social Issues in Computing Pre-reg: CSCE 3600	3	F., Sp., Su.
ىۋ	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	CSCE 4915	Senior Design II Pre-reg: CSCE 4910	3	Sp.
Year Five	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	Specialty Area	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.
Ye	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		12		Total Hours		12	

# **Computer Science**

Bachelor of Science (B.S.) degree with a major in Computer Science
Department of Computer Science and Engineering, Discovery Park (NTDP) F-201; (940) 565-2767

# **University Core**

#### **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

## **AMERICAN HISTORY I**

☐ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

## FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

## **SOCIAL AND BEHAVIORAL SCIENCES**

■ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

## **Major Requirements**

Grades of C or better

# **TECHNICAL COMMUNICATIONS**

- ☐ TECM 2700, Technical Writing (3 Hours)
- ☐ 1 Advanced TECM course chosen from:

TECM 4180, Advanced Technical Writing (3 Hours)

TECM 4190, Technical Editing

TECM 4200, Research Methods (3 Hours)

TECM 4250, Writing Procedures and Manuals (3 Hours)

TECM 4700, Writing in the Sciences (3 Hours)

# **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- ☐ MATH 2700, Linear Algebra (3 Hours)
- MATH 1780, Probability Models (3 Hours), or MATH 3680, Applied Statistics (3 Hours)

#### **SCIENCES**

- 1 science with lab chosen from list below
- 1 science with lab chosen from list below

GEOL 1610, Introduction to Geology (3 Hours)

GEOG 1710, Earth Science (3 Hours)

BIOL 1132, Environmental Science (3 Hours)

BIOL 1710, Biology I (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

BIOL 1720, Biology II (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

CHEM 1410 & 1430, General Chemistry I (3 Hours) & Lab (1 Hour)

CHEM 1420 & 1440, General Chemistry II (3 Hours) & Lab (1 Hour)

PHYS 1270, Science and Tech of Musical Sound (3 Hours) PHYS 1410 & 1430, General Physics I (3 hours) & Lab (1 Hour)

PHYS 1420 & 1440, General Physics II (3 Hours) & Lab (1 Hour)

PHYS 1710 & 1730, Mechanics (3 Hours) & Lab (1 Hour)

PHYS 2220 & 2240, Electricity & Magnetism (3 Hours) & Lab (1 Hour)

# **Major Requirements**

Grades of C or better

#### **ELECTRICAL ENGINEERING**

■ EENG 2710, Digital Logic Design (3 Hours)

# **COMPUTER SCIENCE**

- CSCE 1010, Discovering Computer Science (3 Hours)
- CSCE 1015, Computing Tools and Techniques Lab (1 Hour)
- CSCE 1030, Computer Science I (3 Hours)
- □ CSCE 1040, Computer Science II (3 Hours)
- □ CSCE 2100, Foundations of Computing (3 Hours)
- □ CSCE 2110, Foundations of Data Structures (3 Hours)
- □ CSCE 2610, Assembly Lang. & Computer Organization (3 Hours)
- ☐ CSCE 3444, Software Engineering (3 Hours)
- □ CSCE 3550, Foundations of Computer Security (3 Hours)
- □ CSCE 3600, Principles of Systems Programming (3 Hours)
- □ CSCE 4010, Social Issues in Computing (3 Hours)
- ☐ CSCE 4110, Algorithms (3 Hours)
- □ CSCE 4901, Capstone I (3 Hours)
- □ CSCE 4902, Capstone II (3 Hours)

## **CORE FOCUS COURSES**

- □ 1 course (3 Hours) required from list below
- □ 1 course (3 Hours) required from list below

CSCE 3530, Introduction to Computer Networks (3 Hours)

CSCE 4115, Formal Lang., Automata and Compatibility (3 Hours)

CSCE 4430, Programming Languages (3 Hours)

CSCE 4600, Introduction to Operating Systems (3 Hours)

CSCE 4650, Introduction to Compilation Techniques (3 Hours)

# **BREADTH FOCUS COURSES**

- □ 1 course (3 Hours) required from list below
- □ 1 course (3 Hours) required from list below

CSCE 4201, Introduction to Artificial Intelligence (3 Hours)

CSCE 4210, Game Programming I (3 Hours)

CSCE 4230, Introduction to Computer Graphics (3 Hours)

CSCE 4240, Introduction to Digital Image Processing (3 Hours)

CSCE 4290, Introduction to Natural Language Processing (3 Hours)

CSCE 4350, Fundamentals of Database Systems (3 Hours)

CSCE 4460, Software Testing and Empirical Methodologies (3 Hours)

#### **ADVANCED CSCE COURSES - STUDENT CHOICE**

- ☐ CSCE 3\*\*\* or 4\*\*\* (3 Hours) course not already applied above
- □ CSCE 3\*\*\* or 4\*\*\* (3 Hours) course not already applied above

Maximum of 6 hours may be taken from CSCE 4890, 4920, 4930, 4940, 4950

# MISC. ELECTIVES

 1-4 courses (4-13 Hours) may be required to reach 120 total hours (check with advisor)

# Computer Science – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-reg: MATH 1710		Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-reg: CSCE 1030 or CSCE 1035	1	F., Sp., Su
. One	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1030	Computer Science I Pre-regs: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
Year	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		16		University Core	Options on mydegreeaudit.unt.edu	3	
					Total Hours		16	
	MATH 2700	Linear Algebra Pre-reg: MATH 1720	3	F., Sp., Su.	MATH 1780	Probability Models Pre-reg: MATH 1710	3	F., Sp., Su.
	CSCE 1040	Computer Science II Pre-regs: MATH 1100 & CSCE 1030	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Coreq: MATH 1710	3	F., Sp., Su.
Year Two	EENG 2710	Digital Logic Design	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-reg: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Yea	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15-16		Total Hours		15-16	
	CSCE 2610	Assembly Lang. & Computer Org.  Pre-reqs: CSCE 2100  Co/Pre-req: EENG 2710	3	F., Sp., Su.	CSCE 3550	Foundations of Computer Security Pre-req/Co-req: CSCE 2110	3	F., Sp.
	CSCE 3444	Software Engineering Pre-regs: CSCE 2110	3	F., Sp.	CSCE 4110	Analysis of Algorithms Pre-reqs: CSCE 2110	3	F., Sp.
Year Three	CSCE 3600	Systems Programming Pre-regs: CSCE 2100 & CSCE 2110	3	F., Sp.	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
Year	TECM 4***	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	F., Sp.	CSCE Breadth	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	I			1				
	CSCE 4901	Capstone I Pre-regs: TECM 2700, CSCE 3444	3	F.	CSCE 4902	Capstone II Pre-req: CSCE 4901	3	Sp.
	CSCE 4010	Social Issues Pre-req: CSCE 3600	3	F., Sp., Su.	CSCE Option	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Year Four	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CSCE Option	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Year	CSCE Breadth	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	3	F., Sp., Su.
	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	3	F., Sp., Su.	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	1	F., Sp., Su.
	Total Hours	,	15		Total Hours	,	13	

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, PHYS, EENG, and CSCE require minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term.

You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Computer Science – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring Semester	Course Title	Credit	Term(s)
	Semester MATH	Pre-Calculus	Hours 5	Offered F., Sp.,	MATH	Calculus I	Hours 4	Offered F., Sp.,
	1650	Pre-calculus Pre-reg: MATH 1100 or Test Placement		Su.	1710	Pre-reg: MATH 1650 or Test Placement	1	Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab	1	F., Sp., Su.
Year One	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1030	Computer Science I  Pre-regs: MATH 1100 & CSCE 1010  Co-reg: CSCE 1015	3	F., Sp., Su.
×	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15		Total Hours		14	
	MATH 1720	Calculus II Pre-reg: MATH 1710	3	F., Sp., Su.	MATH 1780	Probability Models Pre-reg: MATH 1710	3	F., Sp., Su.
	CSCE 1040	Computer Science II Pre-regs: MATH 1100 & CSCE 1030	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Coreg: MATH 1710	3	F., Sp., Su.
Year Two	EENG 2710	Digital Logic Design	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-reg: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Yea	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15-16		Total Hours		15-16	
	MATH 2700	Linear Algebra Pre-reg: MATH 1720	3	F., Sp., Su.	CSCE 3550	Foundations of Computer Security Pre-reg/Co-reg: CSCE 2110	3	F., Sp.
	CSCE 2610	Assembly Lang. & Computer Org.  Pre-regs: CSCE 2100, Co/Pre-reg: EENG 2710	3	F., Sp.	CSCE 4110	Analysis of Algorithms  Pre-req: CSCE 2110	3	F., Sp., Su.
Year Three	CSCE 3444	Software Engineering Pre-req: CSCE 2110	3	F., Sp.	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Year	CSCE 3600	Systems Programming Pre-regs: CSCE 2100 & CSCE 2110	3	F., Sp.	TECM 4***	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	CSCE 4901	Capstone I Pre-regs: TECM 2700, CSCE 3444	3	F.	CSCE 4902	Capstone II Pre-req: CSCE 4901	3	Sp.
	CSCE 4010	Social Issues Pre-req: CSCE 3600	3	F., Sp., Su.	CSCE Breadth	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
'n	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CSCE Option	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
Year Four	CSCE Breadth	Options at mydegreeaudit.unt.edu  Must complete pre-reqs	3	Varies	CSCE Option	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Ye	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	3	F., Sp., Su.	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	3	F., Sp., Su.
	Misc. Elective	Misc. Elective to reach 120 hours (if needed)	1	F., Sp., Su.	Total Hours		15	
	Total Hours		16					

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# Computer Science – College Algebra

2025-2026 Catalog: Sample Four-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester		Hours	Offered	Semester		Hours	Offered
	MATH	College Algebra	3	F., Sp.,	MATH	Pre-Calculus	5	F., Sp.,
	1100	Pre-req: TSI Completion		Su.	1650	Pre-reg: MATH 1100 or Test Placement		Su.
	CSCE	Discovering Computer Science	3	F., Sp.,	CSCE	Computing Tools & Techniques Lab	1	F., Sp.,
۵.	1010	2.556 verme comparer concined		Su.	1015	Co-reg: CSCE 1030 or CSCE 1035		Su.
ne	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	CSCE	Computer Science I	3	F., Sp.,
Ö	Core	Options on mydegreedudit.unt.edd		Su.	1030	Pre-regs: MATH 1100 & CSCE 1010		Su.
Year One	COIC			Ju.	1030	Co-req: CSCE 1015		Ju.
۶	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	TECM	Technical Writing	3	F., Sp.,
	Core	Options on mydegreeaddit.dnt.edd		Su.	2700	Pre-req: Communication Core		Su.
		Ontinue on mondenance and to the odge	3	F., Sp.,			3	
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total		-	Ju.	Total			Su.
			15		Hours		15	
	Hours		15		Hours		15	1
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710		4	Su.	1720		3	τ., 3ρ., Su.
		Pre-req: MATH 1650 or Test Placement				Pre-req: MATH 1710	2	
	CSCE	Computer Science II	3	F., Sp.,	CSCE	Foundations of Computing	3	F., Sp.,
	1040	Pre-regs: MATH 1100 & CSCE 1030		Su.	2100	Pre-req: CSCE 1040 or CSCE 1045		Su.
o						Coreq: MATH 1710	_	
≥	Science	Options on mydegreeaudit.unt.edu	3-4	F., Sp.,	CSCE	Foundations of Data Structures	3	F., Sp.,
<u>'</u> _	with Lab			Su.	2110	Pre-req: CSCE 1040 or CSCE 1045		Su.
Year Two	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Science	Options on mydegreeaudit.unt.edu	3-4	F., Sp.,
_	Core			Su.	with Lab			Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Core			Su.	Core			Su.
	Total				Total			
	Hours		16-17		Hours		15-16	
	MATH	Linear Algebra	3	F., Sp.,	MATH	Probability Models	3	F., Sp.,
	2700	Pre-reg: MATH 1720		Su.	1780	Pre-regs: MATH 1710		Su.
	CSCE	Software Engineering	3	F., Sp.	CSCE	Assembly Lang. & Computer Org.	3	F., Sp.,
	3444	Pre-reg: CSCE 2110		7 - 1-	2610	Pre-reqs: CSCE 2100, Co/Pre-req: EENG 2710		Su.
e	CSCE	Systems Programming	3	F., Sp.,	CSCE	Foundations of Computer Security	3	F., Sp.
٦re	3600	Pre-regs: CSCE 2100 & CSCE 2110		Su.	3550			i ., sp.
Year Three		,	3		CSCE	Pre-req/Co-req: CSCE 2110	3	г с-
ar	EENG 2710	Digital Logic Design	3	F., Sp.	4110	Analysis of Algorithms	3	F., Sp., Su.
Ϋ́	_		_			Pre-req: CSCE 2110		
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	TECM	Options at mydegreeaudit.unt.edu	3	F., Sp.
	Core			Su.	4***	Must complete pre-reqs		
	Total				Total			
	Hours		15		Hours		15	
		1						
	CSCE	Capstone I	3	F.	CSCE	Capstone II	3	Sp.
	4901	Pre-regs: TECM 2700, CSCE 3444			4902	Pre-req: CSCE 4901		
	CSCE	Social Issues	3	F., Sp.,	CSCE	Options at mydegreeaudit.unt.edu	3	Varies
	4010	Pre-req: CSCE 3600		Su.	Breadth	Must complete pre-regs		
	CSCE	Options at mydegreeaudit.unt.edu	3	Varies	CSCE	Options at mydegreeaudit.unt.edu	3	Varies
<u>_</u>		Must complete pre-regs			Option	Must complete pre-regs		
our	Core	I IVIUSE COITIDIELE DI C-I EUS		Varies	CSCE		3	Varies
r Four	Core		2	Varies	COCE	Options at mydegreeaudit.unt.edu	3	varies
ear Four	CSCE	Options at mydegreeaudit.unt.edu	3	Varies	0-+:	l		
Year Four	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-reqs			Option	Must complete pre-reqs		
Year Four	CSCE Core CSCE	Options at mydegreeaudit.unt.edu	3	Varies	Misc.	Must complete pre-reqs Misc. Elective to reach 120 hours	3	Varies
Year Four	CSCE Core	Options at mydegreeaudit.unt.edu Must complete pre-reqs					3	Varies
Year Four	CSCE Core CSCE	Options at mydegreeaudit.unt.edu Must complete pre-reqs Options at mydegreeaudit.unt.edu			Misc.	Misc. Elective to reach 120 hours	3	Varies

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, PHYS, EENG, and CSCE require minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term.

You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# **Construction Engineering Technology**

Bachelor of Science in Engineering Technology (B.S.E.T) degree with a major in Construction Engineering Technology Department of Mechanical Engineering, Discovery Park (NTDP) F-115; (940) 565-2400

# **University Core**

#### COMMUNICATION

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

# **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

☐ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

## STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

# **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

## **SOCIAL AND BEHAVIORAL SCIENCES**

■ ECON 1100 (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

■ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)

# **SCIENCES**

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) &
   CHEM 1430, General Chemistry I Lab (1 Hour)

# **Major Requirements**

Grades of C or better

## **CONSTRUCTION ENGINEERING TECHNOLOGY**

- ☐ CNET 1160, Construction Methods and Materials (3 Hours)
- □ CNET 2180, Building Construction Techniques (3 Hours)
- ☐ CNET 2300, Construction Graphics and Modeling (3 Hours
- □ CNET 3150, Construction Contract Documents (3 Hours)
- CNET 3160, Construction Cost Estimating (3 Hours)
- □ CNET 3190, Construction Scheduling (3 Hours)
- □ CNET 3410, Occupational Safety and Liability (3 Hours)
- □ CNET 3430, Structural Analysis (3 Hours)
- □ CNET 3440, Steel Structures (3 Hours)
- ☐ CNET 3460, Soils and Foundations (3 Hours)
- ☐ CNET 3480, Structural Design with Concrete, Timber, etc. (3 Hours)
- □ CNET 4170, Construction Management (3 Hours)
- ☐ CNET 4180, Problems in Project Management (3 Hours)
- □ CNET 4190, Quality Management in Construction (3 Hours)
- □ CNET 4620, Adv. Design in Cold-Formed Steel Structures (3 Hours)
- □ CNET 4780, Senior Design I (1 Hour)
- CNET 4790, Senior Design II (3 Hours)
- ENGR 1030, Technical Systems (3 Hours)
- ENGR 2301, Statics (3 Hours)
- ENGR 2332, Mechanics of Materials (3 Hours)

#### **BUSINESS**

- ACCT 2010, Accounting Principles I (3 Hours)
- BLAW 3430, Legal and Ethical Environment of Business (3 Hours)
- BLAW 4770, Real Estate Law and Contracts (3 Hours)
- ECON 1100, Microeconomics (3 Hours)
- □ DSCI 2710, Data Analysis with Spreadsheets (3 Hours)

# **TECHNICAL COURSES**

1 – 2 courses (4 Hours) pre-approved by your advisor chosen from business, engineering, mathematics, and/or science courses. Check with your advisor for appropriate options.

#### MISC. ELECTIVES

1 course (3 Hours) may be required to reach 123 total hours (check with your advisor)

# Construction Engineering Technology – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

MATH   Calculus	3	F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
CHEM   General Chemistry	1 3 3 lu 3 16 3 3	F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
1410	1 3 3 lu 3 16 3 3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
CHEM 1430	3 3 lu 3 16 3 3	F., Sp., Su. F., Sp. Su. F., Sp., Su. F., Sp.,
CNET 1160 Construction Methods and Materials 3 F., Sp. CNET 1160 Pre-req: CNET 1180 Pre-r	3 3 lu 3 16 3 3	Su. F., Sp. F., Sp., Su. F., Sp., Su. F., Sp.,
Technological Systems    Comm.   Core   Total   Hours	3 lu 3 lo 3 lo 3 lo 3 lo 3 lo 3 lo 3 lo	F., Sp., Su. F., Sp., Su.
ENGR 1030  Comm. Core Total Hours  PHYS  Electricity and Magnetism 17  PHYS  Electricity and Magnetism 17  Electricity and Magnetism 18  Electricity and Magnetism 18  Electricity and Magnetism 18  Electricity and Magnetism 19  Electricity and Mag	3 lu 3 lo 3 lo 3 lo 3 lo 3 lo 3 lo 3 lo	F., Sp., Su. F., Sp. Su.
Pre-reg: Communication Core   Options on mydegreeaudit.unt.edu   3   F., Sp., University   Options on mydegreeaudit.unt.edu   Su.   Core   Total   Hours   Total   Total   Hours   Total   Total   Hours   Total   T	16 3 3	Su. F., Sp. Su. F., Sp.,
PHYS Electricity and Magnetism 3 F., Sp., Core 2220 Pre-reg: PHYS 1710, 1730 2010 Pre-reg: MATH 1100 or higher Cores; ECON 1100  PHYS Electricity and Magnetism Lab 2220 Pre-reg: PHYS 1710, 1730 2010 Pre-reg: ENGR 2001 Pre-reg: ENGR 2001  Co-reg MATH 1720 Su. 2332 Pre-reg: ENGR 2001  CNET Construction Graphics and Modeling 3 F., Sp., DSCI 2710 Data Analysis with Spreadsheets Pre-reg: College Math Readiness Options on mydegreeaudit.unt.ed Su. 2332 Pre-reg: College Math Readiness Options on mydegreeaudit.unt.ed Su. Core Total Hours Distriction Contract Documents 16 Su. Hours Su. Core Total Hours Distriction Contract Documents 3 F., Sp., Sp., Sp., Sp., Sp., Sp., Sp., Sp	16	Su. F., Sp.,
PHYS   Electricity and Magnetism   3   F., Sp., Su.   2010   Pre-reg: MATH 1100 or higher   Coreq MATH 1720   Su.   2010   Pre-reg: MATH 1100 or higher   Coreq: ECON 1100   Pre-reg: ENGR 2301   Pre-reg: Coregive-reg: PHYS 1710, 1730   Su.   2332   Pre-reg: ENGR 2301   Data Analysis with Spreadsheets   Pre-reg: College Math Readiness   Pre-reg: Core   University   Core   University   Options on mydegreeaudit.unt.ed   3   F., Sp., Su.   University   Core   Total   Hours   16     Options on mydegreeaudit.unt.ed   Total   Hours   Pre-reg: CNET 2180   Pre	3	
PHYS Co-req MATH 1720  PHYS Electricity and Magnetism Lab 2240 Co-req/pre-req: PHYS 2220  CNET 2300  ENGR 2301  ENGR 2301  Pre-req: PHYS 1710, 1730  ENGR 2301  Pre-req: PHYS 1710, 1730  ENGR 2301  ENGR 2301  Pre-req: PHYS 1710, 1730  EOM Microeconomics 3 F., Sp., University Core  University Options on mydegreeaudit.unt.edu 3 F., Sp., Total Hours  CNET 3150  CNET Construction Contract Documents 3 F. CNET 3150  CNET Construction Contract Documents 3 F. CNET 3150  CNET Construction Cost Estimating 3 F. CNET 3160  CNET Structural Analysis 3 F. CNET 3430  ENGR 2301  ENGR 2302  ENGR 2301  ENGR 2302  ENGR 2301  ENGR	3	
PHYS Co-req MATH 1720  PHYS Electricity and Magnetism Lab 2240 Co-req/pre-req: PHYS 2220  CNET 2300  ENGR 2301  ECON Microeconomics Pre-req: PHYS 1710, 1730  Core Total Hours  Total Hours  CNET 2315  CNET 2315  CNET 2316  CNET 2316  CNET 2316  ENGR 2311  ECON Microeconomics Sulliversity Core Total Hours  Core Total Hours  CNET 2315  CNET 2316  CNET 2	3	
PHYS 2240 Co-rea/pre-req: PHYS 2220 Su. 2332 Mechanics and Materials Pre-req: ENGR 2301  CNET Construction Graphics and Modeling 3 F., Sp. DSCI 2710 Data Analysis with Spreadsheets Pre-req: College Math Readiness Pre-req: College Math Readiness Pre-req: College Math Readiness Pre-req: College Math Readiness Pre-req: Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Core 2301 Pre-reqs: PHYS 1710, 1730 Su. Divisority Core 3 F., Sp., Su. Core 2401 Hours Su. Core 2401 Hours Su. Su. Su. Department of Busing Pre-req: CNET 2180 Solution Scheduling Pre-req: CNET 2180 Solution Scheduling Pre-req: CNET 2180 Solution Pre-req: CNET 2180 Solution Solution Solution Solution Pre-req: ENGR 2332 Solution Sol		
2300	3	F., Sp. Su.
CNET   Construction Contract Documents   3   F.   CNET   Sunder   Steel Structures   Sunder   Steel Structures   Steel Structures   S		F., Sp., Su.
CNET   Construction Contract Documents   3   F.   CNET   Construction Scheduling   Structures   CNET   Construction Cost Estimating   3   F.   CNET   Structures   CNET   Structural Analysis   CNET   Capable   CNET   Construction Contract Document of BUSI   3430   Pre-req: PSCI 2305, 2306   CNET   CNET   CNET   CNET   CNET   CNET   CNET   Construction Contract Documents   CNET   Construction Scheduling   CNET   Steel Structures   CNET   Steel Structures   CNET   Steel Structures   CNET   CNET   Soils and Foundations   CNET	lu 3	F., Sp., Su.
University Core Total Hours  CNET Construction Contract Documents 3 F. CNET 3150 Pre-req: CNET 2180  CNET Construction Cost Estimating 3 F. CNET 3160 Pre-req: CNET 2180  CNET Structural Analysis 3 F. CNET Structural Analysis Pre-req: ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306  University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction  Total Hours  Total	lu 3	F., Sp., Su.
Hours  CNET Construction Contract Documents 3 F. CNET Steel Structures 3150 Pre-req: CNET 2180  CNET Construction Cost Estimating 3 F. CNET Steel Structures 3160 Pre-req: CNET 2180  CNET Structural Analysis 3 F. CNET Soils and Foundations Pre-req: ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306  University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction	15	
3150 Pre-req: CNET 2180  CNET Construction Cost Estimating 3160 Pre-req: CNET 2180  CNET Steel Structures 3440 Pre-req: CNET 3430  CNET Structural Analysis 3 F. CNET Soils and Foundations 3430 Pre-req: ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306  University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction		
CNET Construction Cost Estimating 3 F. CNET Steel Structures 3160 Pre-req: CNET 2180 3440 Pre-req: CNET 3430  CNET Structural Analysis 3 F. CNET Soils and Foundations 3430 Pre-req: ENGR 2332 3460 Pre-req: CNET 2180, ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306 Su. 3410  University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction	3	Sp.
3160 Pre-req: CNET 2180  CNET Structural Analysis 3430 Pre-req: ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306  University Options on mydegreeaudit.unt.edu  3440 Pre-req: CNET 3430  F. CNET Soils and Foundations Pre-req: CNET 2180, ENGR 2332  CNET Occupational Safety and Liability Su. 3410  GNET Quality Management in Construction		
CNET Structural Analysis 3 F. CNET Soils and Foundations Pre-req: ENGR 2332  BLAW Legal and Ethical Environment of BUSI 3430 Pre-req: PSCI 2305, 2306  University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction	3	Sp.
University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction		
University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction	3	Sp.
University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction		
University Options on mydegreeaudit.unt.edu 3 F., Sp., CNET Quality Management in Construction	3	Sp.
	n 3	Sp.
Total Total		
Hours 15 Hours	15	
CNET Structural Design with Concrete, Timber, etc. 3 F. CNET Problems in Project Management 4180 Pre-req: CNET 4170	3	Sp.
CNET Construction Management 3 F. CNET Adv. Design in Cold-Formed Steel Strue 4170 Pre-req: CNET 3160 4620 Pre-req: CNET 3430	c. 3	Sp.
7.7.5.4.6.1.2.5.2.5.	3	Sp.
CNET Senior Design I F. CNET Senior Design II Pre-req: Senior Class., CNET 3190, 3440, 3460  BLAW Real Estate Law and Contracts 3 F., Sp. Technical Course Must complete pre-reqs	u 4	Varies
University Options on mydegreeaudit.unt.edu 3 F., Sp., MISC MISC. Elective to reach 123 Hours	1	F., Sp., Su.
Total Su. Elective (If needed)  Total	3	<del>- 5u.</del>
Hours 13 Hours	3	

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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Construction Engineering Technology – Pre-Calculus

2025-2026 Catalog: Sample Five-Year Schedule

	Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1650	Pre-Calculus Pre-req: MATH 1100 or Test Placement	5	F., Sp., Su.	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.
e	CNET 1160	Construction Methods and Materials	3	F., Sp.	CNET 2180	Building Construction Techniques  Pre-reg: CNET 1160	3	F., Sp.
Year One	ENGR 1030	Technological Systems	3	F., Sp.	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
Yea	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
	Total Hours		14		TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
					Total Hours		14	
	MATH 1720	Calculus II Pre-reg: MATH 1710	3	F., Sp., Su.	ENGR 2301	Statics Pre-regs: PHYS 1710, 1730	3	F., Sp., Su.
	PHYS 1710	Mechanics Pre-req: MATH 1710	3	F., Sp., Su.	PHYS 2220	Electricity and Magnetism Pre-regs: PHYS 1710, 1730 Co-reg: MATH 1720	3	F., Sp., Su.
Year Two	PHYS 1730	Mechanics Lab Co/Pre-req: PHYS 1710	1	F.	PHYS 2240	Electricity and Magnetism Lab Co-req/pre-req: PHYS 2220	1	F., Sp., Su.
Yea	CNET 2300	Construction Graphics and Modeling	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	ECON 1100	Microeconomics Fulfills Social and Behavioral Science Core	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		13		Total Hours		13	
	ENGR 2332	Mechanics and Materials Pre-req: ENGR 2301	3	F., Sp., Su.	DSCI 2710	Data Analysis with Spreadsheets Pre-req: College Math Readiness	3	F., Sp.
e e	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CNET 3410	Occupational Safety and Liability	3	Sp.
Year Three	ACCT 2010	Accounting Principles I Pre-req: MATH 1100 or higher Coreq: ECON 1100	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
, ¥ 	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		12		Total Hours		12	
	CNET 3150	Construction Contract Documents Pre-reg: CNET 2180	3	F.	CNET 3190	Construction Scheduling Pre-reg: CNET 2180	3	Sp.
<b>5</b>	CNET 3160	Construction Cost Estimating Pre-req: CNET 2180	3	F.	CNET 3440	Steel Structures Pre-req: CNET 3430	3	Sp.
Year Four	CNET 3430	Structural Analysis Pre-req: ENGR 2332	3	F.	CNET 3460	Soils and Foundations Pre-req: CNET 2180, ENGR 2332	3	Sp.
, » 	BLAW 3430	Legal and Ethical Environment of BUSI Pre-req: PSCI 2305, 2306	3	F., Sp.	Technical Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
	Total Hours		12		Total Hours		12	
	CNET 3480	Structural Design with Concrete, Timber, etc.  Pre-req: CNET 2180, 3430	3	F.	CNET 4180	Problems in Project Management	3	Sp.
	CNET 4170	Construction Management  Pre-reg: CNET 3160	3	F.	CNET 4190	Pre-req: CNET 4170  Quality Management in Construction Pre-req: CNET 2180	3	Sp.
Year Five	CNET 4780	Senior Design I  Pre-reg: Senior Class., CNET 3190, 3440, 3460	1	F.	CNET 4620	Adv. Design in Cold-Formed Steel Struc.  Pre-req: CNET 3430	3	Sp.
ä	BLAW 4770	Real Estate Law and Contracts	3	F., Sp.	CNET 4790	Senior Design II Pre-req: CNET 4780	3	Sp.
ξ		MISC. Elective to reach 123 Hours	3	Varies	Total			
Ye	MISC Elective	(If needed)			Hours		12	

# Construction Engineering Technology – College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1100	College Algebra Pre-reg: TSI Completion	3	F., Sp., Su.	MATH 1650	Pre-Calculus Pre-reg: MATH 1100 or Test Placement	5	F., Sp., Su.
One	CNET 1160	Construction Methods and Materials	3	F., Sp.	CNET 2180	Building Construction Techniques  Pre-reg: CNET 1160	3	F., Sp.
Year One	ENGR 1030	Technological Systems	3	F., Sp.	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-reg: CHEM 1410	1	F., Sp., Su.
	Total Hours		12		Total Hours		12	
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710 CNET	Pre-req: MATH 1650 or Test Placement  Construction Graphics and Modeling	3	Su. F., Sp.	1720 PHYS	Pre-req: MATH 1710  Mechanics	3	Su. Sp.
0	2300	· · · · · · · · · · · · · · · · · · ·			1710	Pre-req: MATH 1710		
Year Two	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp.	PHYS 1730	Mechanics Lab Co/Pre-reg: PHYS 1710	1	F., Sp., Su.
Year	ECON 1100	Microeconomics Fulfills Social and Behavioral Science Core	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		13		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
				•	Total Hours		13	
	ENGR	Statics	3	F., Sp.,	ENGR	Mechanics and Materials	3	F., Sp.,
	2301 PHYS	Pre-reqs: PHYS 1710, 1730  Electricity and Magnetism	3	Su. F., Sp.,	2332 ACCT	Pre-req: ENGR 2301 Accounting Principles I	3	Su. F., Sp.,
a	2220	Pre-regs: PHYS 1710, 1730 Co-reg: MATH 1720		Su.	2010	Pre-req: MATH 1100 or higher Coreq: ECON 1100		Su.
Year Three	PHYS 2240	Electricity and Magnetism Lab Co-req/pre-req: PHYS 2220	1	F., Sp., Su.	CNET 3410	Occupational Safety and Liability	3	Sp.
Year	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		12	
	Total Hours		13					
	CNET	Construction Contract Documents	3	F.	CNET	Construction Scheduling	3	Sp.
	3150 CNET	Pre-req: CNET 2180  Construction Cost Estimating	3	F.	3190 CNET	Pre-req: CNET 2180 Steel Structures	3	Sp.
onr	3160	Pre-req: CNET 2180			3440	Pre-req: CNET 3430		
Year Four	CNET 3430	Structural Analysis Pre-reg: ENGR 2332	3	F.	CNET 3460	Soils and Foundations Pre-req: CNET 2180, ENGR 2332	3	Sp.
Ye	BLAW 3430	Legal and Ethical Environment of BUSI Pre-reg: PSCI 2305, 2306	3	F., Sp., Su.	DSCI 2710	Data Analysis with Spreadsheets Pre-reg: College Math Readiness	3	F., Sp.
	Total Hours		13		Total Hours	The sequence of the sequence o	12	
				1			1	1
	CNET 3480	Structural Design with Concrete, Timber, etc. Pre-req: CNET 2180, 3430	3	F.	CNET 4180	Problems in Project Management Pre-req: CNET 4170	3	Sp.
	CNET 4170	Construction Management Pre-req: CNET 3160	3	F.	CNET 4190	Quality Management in Construction Pre-req: CNET 2180	3	Sp.
Year Five	CNET 4780	Senior Design I Pre-req: Senior Class., CNET 3190, 3440, 3460	1	F.	CNET 4620	Adv. Design in Cold-Formed Steel Struc.  Pre-req: CNET 3430	3	Sp.
Year	BLAW 4770	Real Estate Law and Contracts	3	F., Sp.	CNET 4790	Senior Design II Pre-req: CNET 4780	3	Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		12	
	Total Hours		13					
						i e e e e e e e e e e e e e e e e e e e		

ENGL, TECM, MATH, CHEM, PHYS, ENGR, CNET, and Business Courses require a minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# **Construction Management**

Bachelor of Science (B.S) degree with a major in Construction Management Department of Mechanical Engineering, Discovery Park (NTDP) F-115; (940) 565-2400

# **University Core**

# **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

## **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

# STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

## **SOCIAL AND BEHAVIORAL SCIENCES**

■ ECON 1100 (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Grades of C or better

# WRITING/TECHNICAL COMMUNICATIONS

1 course chosen from list options below TECM 2700, Technical Writing (3 Hours) ENGL 1320, First-Year English Writing II (3 Hours) ENGL 1321, Honors Frist-Year Writing II (3 Hours)

## **MATHEMATICS**

MATH 1710, Calculus I (4 Hours) or MATH 1190, Business Calculus (3 Hours)

#### **SCIENCES**

PHYS 1410, General Physics I (3 Hours) & PHYS 1430, General Physics I Lab (1 Hour)

or

PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)

PHYS 1420, General Physics II (3 Hours) & PHYS 1440, General Physics II Lab (1 Hour)

٥r

PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)

# **Major Requirements**

Grades of C or better

#### **CONSTRUCTION MANAGEMENT**

- ☐ CNET 1160, Construction Methods and Materials (3 Hours)
- □ CNET 2180, Building Construction Techniques (3 Hours)
- □ CNET 2200, Surveying for Construction (3 Hours)
- □ CNET 2300, Construction Graphics and Modeling (3 Hours)
- CNET 3150, Construction Contract Documents (3 Hours)
- □ CNET 3160, Construction Cost Estimating (3 Hours)
- □ CNET 3190, Construction Scheduling (3 Hours)
- □ CNET 3410, Occupational Safety and Liability (3 Hours)
- □ CNET 3435, Structural Analysis (3 Hours)
- □ CNET 3445, Steel Structures (3 Hours)
  □ CNET 3465, Soils and Foundations (3 Hours)
- CNET 3465, Soils and Foundations (3 Hours)
- □ CNET 3485, Structural Design with Concrete, Timber, etc. (3 Hours)
- □ CNET 4170, Construction Management (3 Hours)
- ☐ CNET 4180, Problems in Project Management (3 Hours)
- □ CNET 4190, Quality Management in Construction (3 Hours)
- ☐ CNET 4630, Construction Management for MEP Systems (3 Hours)
- □ CNET 4785, Senior Design I (1 Hour)
- □ CNET 4795, Senior Design II (3 Hours)
- ☐ CNET 4920, Cooperative Education Internship (1 Hour)
- ENGR 1030, Technical Systems (3 Hours)
- ENGR 2304, Statics and Strengths of Materials (3 Hours)

#### **BUSINESS**

- □ ACCT 2010, Accounting Principles I (3 Hours)
- BLAW 3430, Legal and Ethical Environment of Business (3 Hours)
- □ BLAW 4770, Real Estate Law and Contracts (3 Hours)
- ECON 1100, Principles of Microeconomics (3 Hours)
- MGMT 3820, Management Concepts (3 Hours)
- MGMT 3850, Foundations of Entrepreneurship (3 Hours)

# **TECHNICAL COURSE**

1 course (3 Hours) pre-approved by your advisor chosen from business, engineering, mathematics, and/or science courses. Check with your advisor for appropriate options.

#### MISC. ELECTIVES

1-2 courses (3-6 Hours) may be required to reach 120 total hours (check with your advisor).

# **COMPONENT AREA**

1 course (3 Hours) may be required to fulfill the Component Area Core. Course options listed in mydegreeaudit.unt.edu.

# Construction Management – Business Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1190	Business Calculus Pre-req: MATH 1100 or MATH 1180 or Test Placement 2	3	F., Sp., Su.	PHYS 1420	General Physics II Pre-req: PHYS 1410	3	F., Sp., Su.
41	PHYS 1410	General Physics I Pre-req: MATH 1100 or higher	3	F., Sp., Su.	PHYS 1440	General Physics II Lab Co/Pre-req: PHYS 1420	1	F., Sp., Su.
Year One	PHYS 1430	General Physics I Lab Co/Pre-req: PHYS 1410	1	F., Sp., Su.	CNET 2180	Building Construction Techniques  Pre-req: CNET 1160	3	F., Sp.
Yea	CNET 1160	Construction Methods and Materials	3	F., Sp.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	ENGR 1030	Technological Systems	3	F., Sp.	ECON 1100	Microeconomics Fulfills Social and Behavioral Science Core	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp. Su.
	Total Hours		16		Total Hours		16	
	CNET 2300	Construction Graphics and Modeling	3	F., Sp.	CNET 2200	Surveying for Construction	3	Sp.
	ENGR 2304	Statics and Strength of Materials Pre-regs: MATH 1190, PHYS 1410	3	F., Sp.	MGMT 3850	Foundations of Entrepreneurship	3	F., Sp., Su.
wo	MGMT 3820	Management Concepts	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Year Two	ACCT 2010	Accounting Principles I Pre-req: MATH 1100 or higher Coreq: ECON 1100	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	CNET 3150	Construction Contract Documents Pre-req: CNET 2180	3	F.	CNET 3190	Construction Scheduling Pre-req: CNET 2180	3	Sp.
	CNET 3160	Construction Cost Estimating Pre-req: CNET 2180	3	F.	CNET 3410	Occupational Safety and Liability	3	Sp.
Year Three	CNET 3435	Structural Analysis Pre-req: ENGR 2304	3	F.	CNET 3445	Steel Structures Pre-req: CNET 3435	3	Sp.
Year -	BLAW 3430	Legal and Ethical Environment of Busi.  Pre-req: PSCI 2305, 2306	3	F., Sp., Su.	CNET 3465	Soils and Foundations Pre-req: CNET 2180, ENGR 2304	3	Sp.
	University Core	Options at mydegreeaudit.unt.edu	3	F., Sp., Su.	BLAW 4770	Real Estate Law and Contracts	3	F., S.
	Total Hours		15		Total Hours		15	
	CNET 3485	Structural Design w/ Concrete, Timber Pre-req: CNET 2180, 3435	3	F.	CNET 4180	Problems in Project Management Pre-reg: CNET 4170	3	Sp.
	CNET 4170	Construction Management Pre-req: CNET 3160	3	F.	CNET 4190	Quality Management in Construct.  Pre-reg: CNET 2180	3	Sp.
בֿ	CNET 4785	Senior Design I Pre-req: Senior Class., CNET 3190, 3445, 3465	1	F.	CNET 4795	Senior Design II Pre-req: CNET 4785	3	Sp.
Year Four	CNET 4630	Construct. Mgmt. for MEP Systems Pre-req: CNET 2180	3	F.	CNET 4920	Cooperative Education Internship Pre-req: Department Consent	1	F., Sp., Su.
Ye	Technical Course	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp., Su	Misc. Elective	MISC. Elective to reach 120 Hours (If needed)	3	F., Sp., Su.
	Misc. Elective	MISC. Elective to reach 120 Hours (If needed)	3	F., Sp., Su.	Comp. Area	Component Area Core (if needed) Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		16		Total Hours		13	

ENGL, TECM, MATH, PHYS, ENGR, CNET, and Business Courses require a minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Construction Management - College Algebra

2025-2026 Catalog: Sample Four-Year Schedule

	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 1190	Business Calculus Pre-req: MATH 1100 or MATH 1180 or Test Placement 2	3	F., Sp., Su.
4)	CNET 1160	Construction Methods and Materials	3	F., Sp.	CNET 2180	Building Construction Techniques Pre-req: CNET 1160	3	F., Sp.
Year One	ENGR 1030	Technological Systems	3	F., Sp.	PHYS 1410	General Physics I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
Yea	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su	PHYS 1430	General Physics I Lab Co/Pre-reg: PHYS 1410	1	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	TECM 2700	Technical Writing Pre-reg: Communication Core	3	F., Sp., Su.
	Total Hours		15		ECON 1100	Microeconomics Fulfills Social and Behavioral Science Core	3	F., Sp. Su.
					Total Hours		16	
	CNET 2300	Construction Graphics and Modeling	3	F., Sp.	CNET 2200	Surveying for Construction	3	Sp.
	ENGR 2304	Statics and Strength of Materials Pre-regs: MATH 1190, PHYS 1410	3	F., Sp.	MGMT 3820	Management Concepts	3	F., Sp., Su.
0	PHYS 1420	General Physics II Pre-reg: PHYS 1410	3	F., Sp., Su.	MGMT 3850	Foundations of Entrepreneurship	3	F., Sp., Su.
Year Two	PHYS 1440	General Physics II Lab Co/Pre-req: PHYS 1420	1	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	ACCT 2010	Accounting Principles I Pre-req: MATH 1100 or higher Coreq: ECON 1100	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		15	
	Total Hours		16					
	CNET 3150	Construction Contract Documents Pre-reg: CNET 2180	3	F.	CNET 3190	Construction Scheduling Pre-reg: CNET 2180	3	Sp.
	CNET 3160	Construction Cost Estimating Pre-reg: CNET 2180	3	F.	CNET 3410	Occupational Safety and Liability	3	Sp.
ear Three	CNET 3435	Structural Analysis Pre-reg: ENGR 2304	3	F.	CNET 3445	Steel Structures Pre-reg: CNET 3435	3	Sp.
Year 1	BLAW 3430	Legal and Ethical Environment of Busi.  Pre-reg: PSCI 2305, 2306	3	F., Sp., Su.	CNET 3465	Soils and Foundations Pre-req: CNET 2180, ENGR 2304	3	Sp.
	Technical Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CNET 4190	Quality Management in Construct.  Pre-req: CNET 2180	3	Sp.
	Total Hours		15		Total Hours		15	
	CNET 3485	Structural Design w/ Concrete, Timber Pre-reg: CNET 2180, 3430	3	F.	CNET 4180	Problems in Project Management	3	Sp.
	CNET 4170	Construction Management  Pre-req: CNET 3160	3	F.	CNET 4795	Pre-req: CNET 4170 Senior Design II Pre-req: CNET 4785	3	Sp.
<b>-</b>	CNET 4785	Senior Design I Pre-reg: Senior Class., CNET 3190, 3445, 3465	1	F.	CNET 4920	Cooperative Education Internship Pre-reg: Department Consent	1	F., Sp., Su.
Year Four	CNET 4630	Construct. Mgmt. for MEP Systems  Pre-req: CNET 2180	3	F.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Yea	BLAW 4770	Real Estate Law and Contracts	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Misc. Elective	MISC. Elective to reach 120 Hours (If needed)	3	F., Sp., Su.	Comp. Area	Component Area Core (if needed) Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		16		Total Hours		16	
	•	•				•		

ENGL, TECM, MATH, PHYS, ENGR, CNET, and Business Courses require a minimum grade of "C" for completion and/or prerequisite. This is an unofficial sample schedule. Requirements, prerequisites, corequisites, and term offerings may change. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Cybersecurity

Bachelor of Science (B.S.) degree with a major in Cybersecurity

Department of Computer Science and Engineering, Discovery Park (NTDP) F-201; (940) 565-2767

# **University Core**

#### COMMUNICATION

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

# **AMERICAN HISTORY II**

☐ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

■ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- MATH 2700, Linear Algebra (3 Hours)
- ☐ MATH 3680, Applied Statistics (3 Hours)

# **SCIENCES**

- ☐ 1 science with lab chosen from list below
- ☐ 1 science with lab chosen from list below

GEOL 1610, Introduction to Geology (3 Hours)

GEOG 1710, Earth Science (3 Hours)

BIOL 1132, Environmental Science (3 Hours)

BIOL 1710, Biology I (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

BIOL 1720, Biology II (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

BIOL 2301 & 2311, Anatomy/Physiology I (3 Hours) & Lab (1 Hour)

BIOL 2302 & 2312, Anatomy/Physiology II (3 Hours) & Lab (1 Hour)

CHEM 1410 & 1430, General Chemistry I (3 Hours) & Lab (1 Hour)

CHEM 1420 & 1440, General Chemistry II (3 Hours) & Lab (1 Hour)

PHYS 1270, Science and Tech of Musical Sound (3 Hours)

PHYS 1410 & 1430, General Physics I (3 hours) & Lab (1 Hour)

PHYS 1420 & 1440, General Physics II (3 Hours) & Lab (1 Hour)

PHYS 1710 & 1730, Mechanics (3 Hours) & Lab (1 Hour)

PHYS 2220 & 2240, Electricity & Magnetism (3 Hours) & Lab (1 Hour)

# **Major Requirements**

Grades of C or better

## **CYBERSECURITY**

- □ CSCE 1010, Discovering Computer Science (3 hours)
- □ CSCE 1015, Computing Tools and Techniques Lab (1 hour)
- □ CSCE 1035, Computer Programming I (3 Hours)
- □ CSCE 1045, Computer Programming II (3 Hours)
- □ CSCE 2100, Foundations of Computing (3 Hours)
- □ CSCE 2110, Foundations of Data Structures (3 Hours)
- □ CSCE 3530, Introduction to Computer Networks (3 Hours)
- □ CSCE 3550, Foundations of Computer Security (3 Hours)
- □ CSCE 3560, Computer Systems Development (3 Hours)
- □ CSCE 3600, Principles of Systems Programming (3 Hours)
- □ CSCE 4010, Social Issues in Computing (3 Hours)
- □ CSCE 4535, Introduction to Network Administration (3 Hours)
- □ CSCE 4555, Computer Forensics (3 Hours)
- □ CSCE 4560, Secure Electronic Commerce (3 Hours)
- CSCE 4565, Secure Software Systems (3 Hours)
- □ CSCE 4575, Blockchain and Applications (3 Hours)
- □ CSCE 4907, Cybersecurity Capstone I (3 Hours)
- □ CSCE 4927, Cybersecurity Capstone II (3 Hours)

# SUPPORTING COURSES

- □ 1 course (3 Hours) required from list below
- ☐ 1 course (3 Hours) required from list below
- ☐ 1 course (3 Hours) required from list below
- □ 1 course (3 Hours) required from list below
  - CSCE 4050, Applications of Cryptography (3 Hours)
  - CSCE 4350, Fundamentals of Database Systems (3 Hours)
  - CSCE 4357, Database Systems Security (3 Hours)
  - CSCE 4520, Wireless Networks and Protocols (3 Hours)
  - CSCE 4570, Information Privacy (3 Hours)
  - CSCE 4600, Introduction to Operating Systems (3 Hours)
  - INFO 4670, Data Analysis and Knowledge Discovery (3 Hours)
  - INFO 4710, Information Technology Management (3 Hours)
  - INFO 4745, Information Architecture (3 Hours)
  - CJUS 3340, Computer Crime (3 Hours)
  - CJUS 4330, Domestic and International Terrorism (3 Hours)

# MISC. ELECTIVES

1 1-4 courses (1-10 Hours) may be required to reach 120 total hours (check with your advisor)

# Cybersecurity – Calculus I

2025-2026 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 Pre-req: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1720	Calculus II Pre-req: MATH 1710	3	F., Sp., Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp Su.	CSCE 1015	Computing Tools & Techniques Lab Co-req: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1035	Computer Programming I Pre-req: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Comm Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	Total Hours		16		Total Hours		13-14	

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester		Hours	Offered	Semester		Hours	Offered
	MATH	Linear Algebra	3	F., Sp.,	MATH	Applied Statistics	3	F., Sp.,
	2700	Pre-req: MATH 1720		Su.	3680	Co/Pre-req: MATH 1720		Su.
	CSCE	Computer Programming II	3	F., Sp.,	CSCE	Foundations of Computing	3	F., Sp.,
_	1045	Pre-regs: CSCE 1015 & CSCE 1035		Su.	2100	Pre-req: CSCE 1040 or CSCE 1045		Su.
Year Two						Co-req: MATH 1710		
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	CSCE	Foundations of Data Structures	3	F., Sp.,
	Core			Su.	2110	Pre-reg: CSCE 1040 or 1045		Su.
>	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Core			Su.	Core			Su.
	Science	Options on mydegreeaudit.unt.edu	3-4	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	with Lab	, , ,		Su.	Core	, , ,		Su.
	Total				Total			
	Hours		15-16		Hours		15	

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester CSCE		Hours 3	Offered	Semester CSCE	Latera de ations to Consent au Notacionale	Hours 3	Offered
	3550	Foundations of Computer Security Pre-req/Co-req: CSCE 2110	3	F., Sp.	3530	Introduction to Computer Networks Pre-req: CSCE 3600	3	F., Sp.
ee	CSCE 3600	Systems Programming Pre-regs: CSCE 2100 & CSCE 2110	3	F., Sp.	CSCE 3560	Computer Systems Security Pre-req: CSCE 3550 & CSCE 3600	3	Sp.
ar Three	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CSCE 4555	Computer Forensics Pre-req: CSCE 2110	3	Sp.
Year	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CSCE 4560	Secure Electronic Commerce Pre-req: CSCE 2110	3	F., Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
	Total Hours		15		Total Hours		15	_

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	CSCE 4907	Cybersecurity Capstone I Pre-req: CSCE 3550 Co-req: CSCE 4565	3	F.	CSCE 4927	Cybersecurity Capstone II Pre-req: CSCE 4907	3	Sp.
Year Four	CSCE 4535	Introduction to Network Admin.  Pre-req: CSCE 3530	3	F.	CSCE 4010	Social Issues in Computing Pre-req: CSCE 3600	3	F., Sp., Su.
	CSCE 4565	Secure Software Development Pre-req: CSCE 3550	3	F.	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
	CSCE 4575	Blockchain and Applications Pre-reg: CSCE 3600	3	F.	MISC. Elective	Misc. Elective to reach 120 hours (if needed – check with your advisor)	3	F., Sp., Su.
	MISC. Elective	Misc. Elective to reach 120 hours (if needed – check with your advisor)	3	F., Sp., Su.	MISC. Elective	Misc. Elective to reach 120 hours (if needed – check with your advisor)	3	F., Sp., Su.
	MISC. Elective	Misc. Elective to reach 120 hours (if needed – check with your advisor)	1	F., Sp., Su.	Total Hours		15	
	Total Hours		16					

# Cybersecurity – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

Semester  MATH 1650 Pre-reg: MATH 1100 or Test Placement  CSCE 1010  University Core  Core  Comm. Core  Comm. Core  Total Hours  MATH Hours  MATH 1720 Pre-reg: MATH 1710  MATH 1720 CSCE Computer Programming II 173 Pre-reg: MATH 1720  MATH 1720 Pre-reg: MATH 1710  MATH 1720 Pre-reg: MATH 1710  CSCE Computer Programming II 174 MATH 1720 Pre-reg: MATH 1720  CSCE Computer Programming II 175 MATH 1720 Pre-reg: MATH 1720  CSCE Computer Programming II 176 MATH 1770 Pre-reg: MATH 1720  CSCE Computer Programming II 1770 Pre-reg: MATH 1720  CSCE Computer Programming II 1780 Pre-reg: MATH 1720  CSCE Computer Programming II 1790 Pre-reg: CSCE 1015 & CSCE 1035  Su. 2100 Pre-reg: MATH 1710  Co-reg: CSCE 1040 or CSCE 1040  Co-reg: MATH 1710  Co-reg: CSCE 1040 or CSCE 1040  Co-reg: MATH 1710  Co-reg: CSCE 1040 or CSCE 1040  Co-reg: CSCE 1040 or CSCE 1040  Co-reg: CSCE 1040 or CSCE 104  Co-reg: MATH 1710  Co-reg: CSCE 1040 or CSCE 104  Co-reg: MATH 1710  Co-reg: MATH 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Offered           F., Sp., Su.           F., Sp., Su.           F., Sp., Su.           F., Sp., Su.           F., Sp., Su.
Su. 1710   Pre-req: MATH 1650 or Test Placement   Su. 1710   Pre-req: MATH 1650 or Test Placement   Su. 1710   Pre-req: MATH 1650 or Test Placement   Su. 1015   Co-req: CSCE   Computing Tools & Technical Su. 1015   Co-req: CSCE 1030 or C	14   3   3   3   3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
CSCE Discovering Computer Science 3 F., Sp., CSCE Computing Tools & Technical Co-req: CSCE 1030 or CSCE 1030	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F., Sp., Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
University Core  University Core  University Core  University Core  University Core  University Core  University Core  University Core  University Core  Comm. Core  Comm. Core  Total Hours  MATH Calculus II Hours  MATH Calculus II Fire-req: MATH 1710  CSCE Computer Programming I Su. 1035  Fig. Sp., Sp., University Core  Total Hours  MATH Calculus II Su. 2700  MATH Calcu	3unt.edu 3	Su. F., Sp., Su. F., Sp., Su. F., Sp., Su.
University Core Core Comm. Options on mydegreeaudit.unt.edu Core Total Hours  MATH 1720  MATH 1720  CSCE Computer Programming II 1045  Pre-req: CSCE 1015 & CSCE 1035  Core  Technical Writing Pre-req: Communication Core Technical Writing Pre-req: Communication Core Total Hours  Total Hours	3unt.edu 3	Su.  F., Sp., Su.  F., Sp., Su.  F., Sp., Su.
University Core Core Comm. Options on mydegreeaudit.unt.edu Core Total Hours  MATH 1720  MATH 1720  CSCE Computer Programming II 1045  Pre-req: CSCE 1015 & CSCE 1035  Core  Technical Writing Pre-req: Communication Core Technical Writing Pre-req: Communication Core Total Hours  Total Hours	unt.edu 3 14 3 3 3	Su. F., Sp., Su. F., Sp., Su.
Core	3 3	F., Sp., Su.
Hours   17   Hours	3	Su.
MATH 1720         Calculus II 1720         3         F., Sp., Sp., Su. 2700         MATH 2700         Linear Algebra 2700         Pre-req: MATH 1720           CSCE 1040         Computer Programming II 2700         3         F., Sp., Sp., CSCE 3700         Foundations of Computing 2700         Foundations of Computing 2700         Pre-req: CSCE 1040 or CSCE 1040	3	Su.
1720         Pre-req: MATH 1710         Su.         2700         Pre-req: MATH 1720           CSCE         Computer Programming II         3         F., Sp.,         CSCE         Foundations of Computing           1045         Pre-reqs: CSCE 1015 & CSCE 1035         Su.         2100         Pre-req: CSCE 1040 or CSCE 1040	3	Su.
CSCE Computer Programming II 3 F., Sp., CSCE Foundations of Computing 1045 Pre-reqs: CSCE 1015 & CSCE 1035 Su. 2100 Pre-req: CSCE 1040 or CSCE 1040	_	
University Options on mydegreeaudit.unt.edu 3 F., Sp., CSCE Foundations of Data Structu		F., Sp., Su.
Core   Su.   2110   Pre-req: CSCE 1040 or CSCE 104		F., Sp., Su.
University Options on mydegreeaudit.unt.edu 3 F., Sp., University Options on mydegreeaudit.	unt.edu 3	F., Sp., Su.
Science with Lab Options on mydegreeaudit.unt.edu 3-4 F., Sp., Science with Lab Options on mydegreeaudit.	unt.edu 3-4	F., Sp., Su.
Total Total Hours 15-16 Hours	15-16	
MATH Applied Statistics 3 F., Sp., CSCE Introduction to Computer N Su. 3530 Pre-req: CSCE 3600	Networks 3	F., Sp.
CSCE Foundations of Computer Security 3 F., Sp. CSCE Computer Systems Security 3550 Pre-req/Co-req: CSCE 2110 S560 Pre-req: CSCE 3550 & CSCE 360		Sp.
CSCE Systems Programming 3 F., Sp. CSCE Computer Forensics 4555 Pre-reg: CSCE 2110	3	Sp.
CSCE Systems Programming 3 F., Sp. CSCE Computer Forensics 4555 Pre-req: CSCE 2110  Supporting Course Must complete pre-reqs  Systems Programming 3 F., Sp. CSCE 4555 Pre-req: CSCE 2110  Varies CSCE Secure Electronic Commerce 4560 Pre-req: CSCE 2110	e 3	F., Sp.
University Options on mydegreeaudit.unt.edu 3 F., Sp., Supporting Options at mydegreeaudit.unt.edu Su. Course Must complete pre-reqs	unt.edu 3	Varies
Total Total Hours 15 Hours	15	
CSCE Cybersecurity Capstone I 3 F. CSCE Cybersecurity Capstone II 4907 Pre-req: CSCE 3550 4927 Pre-req: CSCE 4907	3	Sp.
CSCE Introduction to Network Admin. 3 F. CSCE Social Issues in Computing 4535 Pre-reg: CSCE 3530 4010 Pre-reg: CSCE 3600	3	F., Sp., Su.
CSCE Secure Software Development 3 F. Supporting Course Must complete pre-reqs  CSCE Blockchain and Applications 3 F. Supporting Course Must complete pre-reqs  CSCE Secure Software Development 3 F. Supporting Course Must complete pre-reqs  CSCE Secure Software Development 3 F. Supporting Options at mydegreeaudit.	unt.edu 3	Varies
CSCE Blockchain and Applications 3 F. Supporting Options at mydegreeaudit.u 4575 Pre-reg: CSCE 3600 Course Must complete pre-regs	unt.edu 3	Varies
University Core Options at mydegreeaudit.unt.edu Su. F., Sp., MISC. Elective to reach 120 (if needed – check with your ac		F., Sp., Su.
Total Total Hours 15 Hours	15	

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Cybersecurity – College Algebra

2025-2026 Catalog: Sample Four-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester MATH	Callaga Algabra	Hours 3	Offered F., Sp.,	Semester MATH	Pre-Calculus	Hours 5	Offered F., Sp.,
	1100	College Algebra Pre-req: TSI Completion	3	Γ., 3μ., Su.	1650	Pre-Calculus Pre-reg: MATH 1100 or Test Placement	3	ε., 3μ., Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-reg: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1035	Computer Programming I Pre-req: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
>	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
			1					
	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 1045	Computer Programming II Pre-regs: CSCE 1015 & CSCE 1035	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Co-req: MATH 1710	3	F., Sp., Su.
Year Two	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	Total Hours		16-17		Total Hours		15-16	
	MATH	Linear Algebra	3	F., Sp.,	MATH	Applied Statistics	3	F., Sp.,
	2700	Pre-reg: MATH 1720		Su.	3680	Co/Pre-req: MATH 1720		Su.
	CSCE 3550	Foundations of Computer Security  Pre-reg/Co-reg: CSCE 2110	3	F., Sp.	CSCE 3530	Introduction to Computer Networks  Pre-req: CSCE 3600	3	F., Sp.
rhree	CSCE 3600	Systems Programming Pre-req: CSCE 2100 & 2110	3	F., Sp., Su.	CSCE 3560	Computer Systems Security Pre-req: CSCE 3550 & CSCE 3600	3	Sp.
Year Three	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	CSCE 4555	Computer Forensics Pre-req: CSCE 2110	3	Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 4560	Secure Electronic Commerce Pre-req: CSCE 2110	3	F., Sp.
	Total Hours		15		Total Hours		15	
	CCCF	Constant	2	- I	CCCE	Constant II		ر <sub>~</sub>
	CSCE 4907	Capstone I Pre-req: CSCE 3550 Co-req: CSCE 4565	3	F	CSCE 4927	Capstone II  Pre-req: CSCE 4907	3	Sp.
_	CSCE 4535	Introduction to Network Admin.  Pre-req: CSCE 3530	3	F.	CSCE 4010	Social Issues in Computing Pre-req: CSCE 3600	3	F., Sp., Su.
Year Four	CSCE 4565	Secure Software Development Pre-req: CSCE 3550	3	F.	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
Year	CSCE 4575	Blockchain and Applications Pre-reg: CSCE 3600	3	F.	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies
	Supporting Course	Options at mydegreeaudit.unt.edu Must complete pre-regs	3	Varies	MISC. Elective	Misc. Elective to reach 120 hours (if needed – check with your advisor)	3	Varies
	Total Hours	Complete pre 1645	15		Total Hours	,	15	
		1						l

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should

# **Electrical Engineering**

Bachelor of Science (B.S.) degree with a major in Electrical Engineering Department of Electrical Engineering, Discovery Park (NTDP) B-270; (940) 891-6872

# **University Core**

#### COMMUNICATION

1 Course (3 Hours) – see mydegreeaudit.unt.edu
Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

# **AMERICAN HISTORY II**

☐ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

# FEDERAL GOVERNMENT/POLITICAL SCIENCE

■ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

# **CREATIVE ARTS**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

## LANGUAGE, PHILOSOPHY, AND CULTURE

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

# **Major Requirements**

Grades of C or better

# **TECHNICAL COMMUNICATIONS**

TECM 2700, Technical Writing (3 Hours)

# **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- ☐ MATH 2730, Multivariable Calculus (3 Hours)
- MATH 2700, Linear Algebra (3 Hours)
- MATH 3410, Differential Equations (3 Hours)
- MATH 3180, Probability for Engineers (3 Hours)

Completion of the above courses may earn a minor in Mathematics.

#### **SCIENCES**

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) &
   CHEM 1430, General Chemistry I Lab (1 Hour)

# **Major Requirements**

Grades of C or better

# **ELECTRICAL ENGINEERING**

- EENG 1910, Introduction to Electrical Engineering (3 Hours)
- EENG 2610, Circuit Analysis, (3 Hours) &

EENG 2611, Circuit Analysis Lab (1 Hour)

- EENG 2620, Signals and Systems (3 Hours) & EENG 2621, Signals and Systems Lab (1 Hour)
- EENG 2710, Digital Logic Design (3 Hours) &
- EENG 2711, Digital Logic Design Lab (1 Hour)
- EENG 2905, Engineering Tools (3 Hours)
- EENG 2920, Analog and Digital Circuit Design (3 Hours)
- □ EENG 3410, Engineering Electromagnetics (3 Hours) &
  - EENG 3411, Engineering Electromagnetics Lab (1 Hour)
- EENG 3510, Electronics I (3 Hours) &
  - EENG 3511, Electronics I Lab (1 Hour)
- EENG 3520, Electronics II (3 Hours)
- EENG 3710, Computer Organization (3 Hours)
- □ EENG 3810, Communications Systems (3 Hours) &
  - EENG 3811, Communication Systems Lab (1 Hour)
- □ EENG 3910, Embedded System Design Project (3 Hours)
- EENG 3920, Modern Comm. System Design (3 Hours)
- EENG 4910, Senior Design I (3 Hours)
- ☐ EENG 4990, Senior Design II (3 Hours)
- EENG 4\*\*\* Elective (3 Hours)
- EENG 4\*\*\* Elective (3 Hours)
- EENG 4\*\*\* Elective (3 Hours)
- EENG 4\*\*\* Elective (3 Hours)
- EENG 4\*\*\* Elective (3 Hours)

See mydegreeaudit.unt.edu or catalog.unt.edu for list of EENG 4\*\*\* Elective course options.

EENG 4010 is a EENG 4\*\*\* elective option. It is a topics course. The content varies for each section. It may be repeated for credit if you do not re-take the exact same topic the 2<sup>nd</sup> time.

EENG 4920 and 4951 cannot be taken as electives.

# **COMPUTER PROGRAMMING**

- □ CSCE 1015, Computing Tools & Techniques Lab (1 Hour)
- □ CSCE 1030, Computer Science I (3 Hours)

### Electrical Engineering – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-req: MATH 1710		Su.
	CHEM	General Chemistry I	3	F., Sp.,	PHYS	Mechanics	3	F., Sp.,
	1410 CHEM	Pre-req: MATH 1100 or higher	1	Su.	1710 PHYS	Pre-req: MATH 1710	1	Su.
	1430	General Chemistry I Lab Co/Pre-reg: CHEM 1410	1	F., Sp., Su.	1730	Mechanics Lab Co/Pre-reg: PHYS 1710	1	F., Sp., Su.
ne	EENG	Intro to Electrical Engineering	3	F., Sp.	EENG	Digital Logic Design	3	F., Sp.,
Year One	1910	Prereq: Electrical or Pre-Electrical major		, ,	2710	2.8.ta. 208.0 2 00.8.		Su.
Kea	CSCE	Computing Tools & Techniques Lab	1	F., Sp.,	EENG	Digital Logic Design Lab	1	F., Sp.,
	1015	Co-req: CSCE 1030 or CSCE 1035	2	Su.	2711	Co/Pre-req: EENG 2710	2	Su.
	CSCE 1030	Computer Science I Pre-req: MATH 1100. Co-req CSCE 1015 waived for EENG majors	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Comm.	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Core			Su.	Core			Su.
	Total		18		Total Hours		17	
	Hours		18		nours		17	
	MATH	Linear Algebra	3	F., Sp.,	MATH	Multivariable Calculus	3	F., Sp.,
	2700	Pre-req: MATH 1720		Su.	2730	Pre-req: MATH 1720		Su.
	MATH	Differential Equations	3	F., Sp.,	EENG	Signals and Systems	3	F., Sp.
	3410	Pre-req: MATH 1720	2	Su.	2620	Pre-regs: EENG 2610/2611	1	F. C.
0	PHYS 2220	Electricity & Magnetism  Pre-req: PHYS 1710/1730, Co-req: MATH 1720	3	F., Sp., Su.	EENG 2621	Signals and Systems Lab Co/Pre-reg: EENG 2620	1	F., Sp.
Year Two	PHYS	Electricity & Magnetism Lab	1	F., Sp.	EENG	Analog Circuit Design	3	F., Sp.
ē	2240	Co/Pre-req: PHYS 2220		Su.	2920	Pre-reqs: EENG 1910, 2610/2611, 2710/2711		, - 1-
Ϋ́	EENG	Circuit Analysis	3	F., Sp.,	EENG	Engineering Tools	3	F., Sp.
	2610	Co/Pre-reqs: PHYS 2220/2240, MATH 3410		Su.	2905	Pre-reqs: CSCE 1030 and CSCE 1015		
	EENG	Circuit Analysis Lab	1	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	2611 Total	Co/Pre-reqs: EENG 2610		Su.	Core Total			Su.
	Hours		14		Hours		16	
	MATH	Probability for Engineers	3	F., Sp.,	EENG	Electronics II	3	F., Sp.
	3180	Pre-regs: MATH 2700 and MATH 2730	3	Su.	3520	Pre-regs: EENG 3510/3511	3	F C
	EENG 3410	Electromagnetics Pre-regs: EENG 2610/2611	3	F., Sp.	EENG 3710	Computer Organization  Pre-regs: EENG 2710, 2711, CSCE 1030, 1015	3	F., Sp.
	EENG	Electromagnetics Lab	1	F., Sp.	EENG	Communications Systems	3	F., Sp.
يو	3411	Co/Pre-req: EENG 3410			3810	Pre-reqs: EENG 2620, 3510, MATH 3180		
hre	EENG 3510	Electronics I  Pre-regs: EENG 2610/2611, MATH 2730	3	F., Sp.	EENG 3811	Communications Systems Lab Co/Pre-reg: EENG 3810	1	F., Sp.
<del> </del>	EENG	Electronics I Lab	1	F., Sp.	EENG	Modern Communications System Design	3	F., Sp.
Year Thre	3511	Co/Pre-req: EENG 3510			3920	Pre-req: EENG 2920 Co/Pre-reg: EENG 3520, 3810, 3811		
	EENG 3910	Embedded System Design Project	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University	Pre-regs: EENG 2620/2621, EENG 2920, 2905 Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total			Su.
	Core	Options on mydegreeaddit.ditt.edd		Su.	Hours		16	
	Total							
	Hours		17					
	EENIC	Sonior Dosign I	3	E C~	EENG	Conier Design II	3	E C~
	EENG 4910	Senior Design I Pre-reqs: EENG 3810/3811, 3910, 3920	3	F., Sp.	4990	Senior Design II Pre-regs: EENG 4910	3	F., Sp.
	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.
	Elective	Must complete pre-reqs		' '	Elective	Must complete pre-reqs		]
Jur	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.
r F	Elective	Must complete pre-reqs	_		Elective	Must complete pre-reqs	<u> </u>	
Year Four	EENG Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total				Total			
1	Hours		15		Hours		15	1

# Electrical Engineering – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Pre-Calculus	5	F., Sp.,	MATH	Calculus I	4	F., Sp.,
	1650	Pre-req: MATH 1100 or Test Placement		Su.	1710	Pre-req: MATH 1650 or Test Placement		Su.
	CHEM 1410	General Chemistry I  Pre-reg: MATH 1100 or higher	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-reg: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
	CHEM	General Chemistry I Lab	1	F., Sp.,	CSCE	Computer Science I	3	F., Sp.,
Year One	1430	Co/Pre-req: CHEM 1410		Su.	1030	Pre-req: MATH 1100 and CSCE 1010 (waived for EE or Pre-EE Majors). Co-req: CSCE 1015		Su.
ear	EENG	Intro to Electrical Engineering	3	F., Sp.	EENG	Digital Logic Design	3	F., Sp.,
<b>&gt;</b>	1910	Prereq: Electrical or Pre-Electrical major	-	<b>5</b> 0	2710	2: :: 1: : 2 : : : 1		Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	EENG 2711	Digital Logic Design Lab Co/Pre-req: EENG 2710	1	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	Total Hours		18		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		18	
	I		1	I			1	
	MATH 1720	Calculus II	3	F., Sp.,	MATH	Linear Algebra	3	F., Sp.,
	1720 PHYS	Pre-req: MATH 1710  Mechanics	3	Su. F., Sp.,	2700 MATH	Pre-req: MATH 1720  Multivariable Calculus	3	Su. F., Sp.,
	1710	Pre-reg: MATH 1710		Su.	2730	Pre-req: MATH 1720	3	Su.
	PHYS	Mechanics Lab	1	F., Sp.,	MATH	Differential Equations	3	F., Sp.,
0	1730	Co/Pre-req: PHYS 1710		Su.	3410	Pre-req: MATH 1720		Su.
Year Two	EENG 2905	Engineering Tools	3	F., Sp.	PHYS 2220	Electricity & Magnetism Pre-req: PHYS 1710/1730. Co-req: MATH 1720	3	F., Sp.
ä	University	Pre-reqs: CSCE 1030 and CSCE 1015  Options on mydegreeaudit.unt.edu	3	F., Sp.,	PHYS	Electricity & Magnetism Lab	1	Su. F., Sp.,
Ye	Core	Options on mydegreeaddit.unt.edd		ν., 3ρ., Su.	2240	Co/Pre-req: PHYS 2220	1	Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	EENG	Circuit Analysis	3	F., Sp.,
	Core	, , ,		Su.	2610	Co/Pre-regs: PHYS 2220/2240, MATH 3410		Su.
	Total				EENG	Circuit Analysis Lab	1	F., Sp.,
	Hours		16		2611	Co/Pre-reqs: EENG 2610		Su.
					Total Hours		17	
	MATH	Probability for Engineers	3	F., Sp.	EENG	Electronics II	3	F., Sp.
	3180	Pre-regs: MATH 2700 and MATH 2730		τ., σρ.	3520	Pre-regs: EENG 3510/3511		τ., σρ.
	EENG	Signals and Systems	3	F., Sp.	EENG	Communications Systems	3	F., Sp.
	2620	Pre-reqs: EENG 2610/2611			3810	Pre-reqs: EENG 2620, 3510, MATH 3180		
	EENG	Signals and Systems Lab	1	F., Sp.	EENG	Communications Systems Lab	1	F., Sp.
4)	2621 EENG	Co/Pre-req: EENG 2620 Analog Circuit Design	3	F., Sp.	3811 EENG	Co/Pre-req: EENG 3810 Embedded System Design Project	3	F., Sp.
Je.	2920	Pre-regs: EENG 1910, 2610/2611, 2710/2711		т., эр.	3910	Pre-regs: EENG 2620/2621, 2920, 2905		1 ., Sp.
Ę	EENG	Electronics I	3	F., Sp.	EENG	Modern Communications System Design	3	F., Sp.
Year Three	3510	Pre-reqs: EENG 2610/2611			3920	Pre-req: EENG 2920		
>	EENG	Electronics I Lab	1	F., Sp.	University	Co/Pre-reg: EENG 3520, 3810, 3811 Options on mydegreeaudit.unt.edu	3	F., Sp.,
	3511	Co/Pre-reg: EENG 3510	1	1., 3μ.	Core	Options on mydegreeaddic.unc.edd	3	Γ., 3ρ., Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total			
	Core			Su.	Hours		16	
	Total Hours		17					
	EENG	Electromagnetics	3	F., Sp.	EENG	Computer Organization	3	F., Sp.
	3410 EENG	Pre-regs: EENG 2610/2611, MATH 2730	1	E C~	3710	Pre-reqs: EENG 2710, 2711, CSCE 1030, 1015	3	E C~
	EENG 3411	Electromagnetics Lab Co/Pre-reg: EENG 3410	1	F., Sp.	EENG 4990	Senior Design II Pre-regs: EENG 4910	3	F., Sp.
	EENG	Senior Design I	3	F., Sp.	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.
Ž	4910	Pre-regs: EENG 3810/3811, 3910, 3920			Elective	Must complete pre-reqs		
Year Four	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.
ear	Elective	Must complete pre-reqs Options at mydogrocaudit upt odu	2	E C	Elective	Must complete pre-reqs	2	E C
>	EENG Elective	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.	Total			54.
	Elective	Must complete pre-reqs		., Jp.	Hours		15	
	Total							
1	Hours		16					

# Electrical Engineering – College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1100	College Algebra Pre-reg: TSI Completion	3	F., Sp., Su.	MATH 1650	Pre-Calculus Pre-reg: MATH 1100 or Test Placement	5	F., Sp., Su.
	EENG	Intro to Electrical Engineering	3	F., Sp.	CHEM	General Chemistry I	3	F., Sp.,
Year One	1910	Prereq: Electrical or Pre-Electrical major			1410	Pre-req: MATH 1100 or higher		Su.
ar (	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry I Lab Co/Pre-req: CHEM 1410	1	F., Sp., Su.
Ϋ́	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	TECM	Technical Writing	3	F., Sp.,
	Core University	Options on mydegreeaudit.unt.edu	3	Su. F., Sp.,	2700 University	Pre-req: Communication Core Options on mydegreeaudit.unt.edu	3	Su. F., Sp.,
	Core	Options on mydegreeaudit.unt.edu	3	Su.	Core	Options on mydegreeaddit.unc.edd	3	Su.
	Total Hours		15		Total Hours		15	
			1					
	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1720	Calculus II Pre-reg: MATH 1710	3	F., Sp., Su.
	CSCE	Computing Tools & Techniques Lab	1	F., Sp.,	PHYS	Mechanics	3	F., Sp.,
	1015 CSCE	Co-req: CSCE 1030 or CSCE 1035  Computer Science I	3	Su. F., Sp.,	1710 PHYS	Pre-req: MATH 1710  Mechanics Lab	1	Su. F., Sp.,
9	1030	Pre-req: MATH 1100 and CSCE 1010 (waived for EE or Pre-EE Majors). Co-req: CSCE 1015		Su.	1730	Co/Pre-req: PHYS 1710		Su.
Year Two	EENG 2710	Digital Logic	3	F., Sp., Su.	EENG 2905	Engineering Tools  Pre-regs: CSCE 1030 and CSCE 1015	3	F., Sp.
/ear	EENG	Digital Logic Design Lab	1	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
_	2711	Co/Pre-req: EENG 2710		Su.	Core			Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.				
	Total		45		Total		12	
	Hours	<u> </u>	15		Hours		13	l
	MATH	Differential Equations	3	F., Sp.,	MATH	Linear Algebra	3	F., Sp.,
	3410 PHYS	Pre-req: MATH 1720 Electricity & Magnetism	3	Su. F., Sp.,	2700 MATH	Pre-req: MATH 1720  Multivariable Calculus	3	Su. F., Sp.,
	2220	Pre-req: PHYS 1710/1730. Co-req: MATH 1720	1	Su.	2730	Pre-reg: MATH 1720		Su.
e e	PHYS 2240	Electricity & Magnetism Lab Co/Pre-req: PHYS 2220	1	F., Sp. Su.	EENG 2620	Signals and Systems Pre-regs: EENG 2610/2611	3	F., Sp.
Ę	EENG 2610	Circuit Analysis Co/Pre-regs: PHYS 2220/2240, MATH 3410	3	F., Sp., Su.	EENG 2621	Signals and Systems Lab Co/Pre-req: EENG 2620	1	F., Sp.
Year Three	EENG	Circuit Analysis Lab	1	F., Sp.,	EENG	Analog Circuit Design	3	F., Sp.
>	2611	Co/Pre-regs: EENG 2610	3	Su.	2920	Pre-reqs: EENG 1910, EENG 2610/2611, EENG 2710/2711		
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		13	
	Total Hours		14					
				<u> </u>				
	MATH 3180	Probability for Engineers Pre-regs: MATH 2700 and MATH 2730	3	F., Sp.	EENG 3520	Electronics II  Pre-regs: EENG 3510/3511	3	F., Sp.
	EENG	Electromagnetics	3	F., Sp.	EENG	Communications Systems	3	F., Sp.
	3410 EENG	Pre-reqs: EENG 2610/2611, MATH 2730  Electromagnetics Lab	1	F., Sp.	3810 EENG	Pre-reqs: EENG 2620, 3510, MATH 3180  Communications Systems Lab	1	F., Sp.
Σ	3411	Co/Pre-req: EENG 3410			3811	Co/Pre-req: EENG 3810		
Year Four	EENG 3510	Electronics I  Pre-regs: EENG 2610/2611	3	F., Sp.	EENG 3920	Modern Communications System Design Pre-reg: EENG 2920 Co/Pre-reg: EENG 3520, 3810, 2811	3	F., Sp.
Yea	EENG	Electronics I Lab	1	F., Sp.	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	3511 EENG	Co/Pre-req: EENG 3510 Embedded System Design Project	3	F., Sp.	Core Total		+	Su.
	3910	Pre-regs: EENG 2620/2621, 2920, 2905		,	Hours		13	
	Total Hours		14					
· · · · · · · · · · · · · · · · · · ·	EENG	Senior Design I	3	F., Sp.	EENG	Computer Organization	3	F., Sp.
	4910	Pre-reqs: EENG 3810/3811, 3910, 3920			3710	Pre-reqs: EENG 2710, 2711, CSCE 1030, 1015		•
a	EENG Elective	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	EENG 4990	Senior Design II Pre-regs: EENG 4910	3	F., Sp.
Ξ̈́	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.	EENG	Options at mydegreeaudit.unt.edu	3	F., Sp.
Year Five	Elective EENG	Must complete pre-reqs Options at mydegreeaudit.unt.edu	3	F., Sp.	Elective EENG	Must complete pre-reqs Options at mydegreeaudit.unt.edu	3	F., Sp.
>	Elective	Must complete pre-reqs	3	1., 3p.	Elective	Must complete pre-regs	3	ι., υμ.
	Total Hours		12		Total Hours		12	
	110013		12		110013			

ENGL, TECM, MATH, CSCE, CHEM, PHYS, 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

### Information Technology

Bachelor of Science (B.S.) degree with a major in Information Technology
Department of Computer Science and Engineering, Discovery Park (NTDP) F-201; (940) 565-2767

#### **University Core**

#### COMMUNICATION

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

☐ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

#### FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

■ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1680, Elementary Probability & Statistics (3 Hours)

10

MATH 1780, Probability (3 Hours)

or

MATH 3680, Applied Statistics (3 Hours)

#### **SCIENCES**

- ☐ 1 science with lab chosen from list below
- ☐ 1 science with lab chosen from list below

GEOL 1610, Introduction to Geology (3 Hours)

GEOG 1710, Earth Science (3 Hours)

BIOL 1132, Environmental Science (3 Hours)

BIOL 1710, Biology I (3 Hours) & BIOL 1760, Biology Lab (2 Hours)

BIOL 2301 & 2311, Anatomy/Physiology I (3 Hours) & Lab (1 Hour)

BIOL 2302 & 2312, Anatomy/Physiology II (3 Hours) & Lab (1 Hour)

CHEM 1410 & 1430, General Chemistry I (3 Hours) & Lab (1 Hour)

PHYS 1410 & 1430, General Physics I (3 hours) & Lab (1 Hour)

PHYS 1420 & 1440, General Physics II (3 Hours) & Lab (1 Hour)

PHYS 1710 & 1730, Mechanics (3 Hours) & Lab (1 Hour)

#### **Major Requirements**

Grades of C or better

#### **INFORMATION TECHNOLOGY**

- CSCE 1010, Discovering Computer Science (3 Hours)
- CSCE 1015, Computing Tools and Techniques Lab (1 Hour)
- □ CSCE 1035, Computer Programming I (3 Hours)
- □ CSCE 1045, Computer Programming II (3 Hours)
- □ CSCE 2100, Foundations of Computing (3 Hours)
- ☐ CSCE 2110, Foundations of Data Structures (3 Hours)
- ☐ CSCE 3055, IT Project Management (3 Hours)
- □ CSCE 3220, Human Computer Interfaces (3 Hours)
- □ CSCE 3420, Internet Programming (3 Hours)
- □ CSCE 3530, Introduction to Computer Networks (3 Hours)
- □ CSCE 3550, Foundations of Computer Security (3 Hours)
- □ CSCE 3600, Principles of Systems Programming (3 Hours)
- ☐ CSCE 3605, Systems Administration (3 Hours)
- □ CSCE 3615, Enterprise Systems Arch., Analysis and Design (3 Hours)
- □ CSCE 4010, Social Issues in Computing (3 Hours)
- ☐ CSCE 4350, Fundamentals of Database Systems (3 Hours)
- □ CSCE 4355, Database Administration (3 Hours)
- □ CSCE 4535, Network Administration (3 Hours)
- □ CSCE 4905, Information Technology Capstone I (3 Hours)
- □ CSCE 4925, Information Technology Capstone II (3 Hours)

#### **SUPPORTING AREA**

- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)
- ☐ Course approved by an advisor (3 Hours)

Choose a supporting area and complete 21 hours of approved courses. Suggestions include, but are not limited to:

Security/Networking Criminal Justice
Information Systems Legal Studies
Data/Decision Sciences General Business

Al/Big Data Logistics/Decision Sciences

Web/Software Development Management
Data Analytics Entrepreneurship

Game Design Studies Marketing

Game Programming Project Management

Location Intelligence Graphic/Communications Design
Geog. Info Systems Music or Theater Technologies
Technical Communications Education/Teach North Texas

Completion of CSCE 2610, CSCE 4560, & CSCE 4600 toward a Supporting Area in Security/Networking also earns a Security Certificate. CSCE 2610 requires EENG 2710 as prerequisite.

A maximum of 6 hours may be taken for the Supporting Area from CSCE 4890, 4920, 4930, 4940, or 4950

#### MISC. ELECTIVES

 1-2 courses (3-6 Hours) may be required to reach 121 total hours (check with advisor)

# Information Technology – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	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 1680	Element. Probability and Statistics Pre-req: TSI Math Complete	3	F., Sp., Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-req: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1035	Computer Programming I Pre-req: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		16		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		16	
	CSCE 1045	Computer Programming II Pre-reqs: CSCE 1015 & CSCE 1035	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Co-req: MATH 1710	3	F., Sp., Su.
	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
WO	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
Year Two	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
>	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Total Hours		15-16	
	Total Hours		15-16					
	CSCE 3055	IT Project Management Pre-req: CSCE 2100	3	F., Sp.	CSCE 3530	Introduction to Computer Networks  Pre-reg: CSCE 3600	3	F., Sp.
	CSCE 3220	Human Computer Interfaces Pre-req: CSCE 2100 & 2110	3	F., Sp.	CSCE 3605	Systems Administration Pre-req: CSCE 3600	3	F., Sp.
ear Three	CSCE 3420	Internet Programming Pre-req: CSCE 2100 & 2110	3	F., Sp.	CSCE 3615	Enterprise Systems Architecture  Pre-req: CSCE 2100	3	F., Sp.
Year 7	CSCE 3600	Systems Programming Pre-req: CSCE 2100 & 2110	3	F., Sp.	CSCE 4350	Database Systems Pre-regs: CSCE 2100 & 2110	3	F., Sp.
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours		15		Total Hours		15	
	CSCE 3550	Foundations of Computer Security Pre-reg/Co-reg: CSCE 2110	3	F., Sp.	CSCE 4010	Social Issues	3	Sp.
	CSCE 4355	Database Administration  Pre-reg: CSCE 4350	3	F.	CSCE 4925	Pre-req: CSCE 3600  Capstone II  Pre-req: CSCE 4905	3	Sp.
Four	CSCE 4535	Network Administration  Pre-reg: CSCE 3530	3	F.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
Year Four	CSCE 4905	Capstone I Pre-regs: CSCE 3055 & 3615	3	F.	Misc. Elective	MISC. Elective to reach 121 Hours or Component Area Core (If needed)	3	F., Sp.
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Misc. Elective	MISC. Elective to reach 121 Hours or Component Area Core (If needed)	3	F., Sp., Su.
	Total Hours		15		Total Hours		15	
	_							

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, PHYS, CSCE and Supporting Area 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

### Information Technology – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Pre-Calculus	5	F., Sp.,	MATH	Calculus I	4	F., Sp.,
	1650	Pre-req: MATH 1100 or Test Placement		Su.	1710	Pre-req: MATH 1650 or Test Placement		Su.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-req: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1035	Computer Programming I Pre-req: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		17		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		17	
	MATH 1680	Elementary Probability and Statistics Pre-req: TSI Math Complete	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Co-req: MATH 1710	3	F., Sp., Su.
Year Two	CSCE 1045	Computer Programming II Pre-regs: CSCE 1015 & CSCE 1035	3	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Year	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	University Core	Options via mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su
	Total Hours		15-16		Total Hours		15-16	
	CSCE 3055	IT Project Management Pre-reg: CSCE 2100	3	F., Sp.	CSCE 3530	Introduction to Computer Networks  Pre-reg: CSCE 3600	3	F., Sp.
	CSCE 3220	Human Computer Interfaces Pre-reg: CSCE 2100, 2110	3	F., Sp.	CSCE 3605	Systems Administration Pre-reg: CSCE 3600	3	F., Sp.
Year Three	CSCE 3420	Internet Programming Pre-req: CSCE 2100, 2110	3	F., Sp.	CSCE 3615	Enterprise Systems Architecture Pre-req: CSCE 2100	3	F., Sp.
rear 1	CSCE 3600	Systems Programming Pre-req: CSCE 2100 & 2110	3	F., Sp.	CSCE 4350	Database Systems Pre-req: CSCE 2100, 2110	3	F., Sp.
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours		15		Total Hours		15	
	CSCE 3550	Foundations of Computer Security  Pre-reg/Co-reg: CSCE 2110	3	F., Sp.	CSCE 4010	Social Issues Pre-reg: CSCE 3600	3	F., Sp., Su.
	CSCE 4355	Database Administration Pre-req: CSCE 4350	3	F.	CSCE 4925	Capstone II Pre-req: CSCE 4905	3	Sp.
Four	CSCE 4535	Network Administration Pre-reg: CSCE 3530	3	F.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
Year Four	CSCE 4905	Capstone I Pre-regs: CSCE 3055 & 3615	3	F.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours		15		Total Hours		15	

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, PHYS, CSCE and Supporting Area 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

# Information Technology – College Algebra

2025-2026 Catalog: Sample Four-Year Schedule

	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.
	CSCE 1010	Discovering Computer Science	3	F., Sp., Su.	CSCE 1015	Computing Tools & Techniques Lab Co-req: CSCE 1030 or CSCE 1035	1	F., Sp., Su.
Year One	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CSCE 1035	Computer Programming I Pre-req: MATH 1100 & CSCE 1010 Co-req: CSCE 1015	3	F., Sp., Su.
Ye	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		18		Total Hours		18	
	MATH 1710	Calculus I Pre-req: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1680	Elementary Probability and Statistics Pre-reg: TSI Math Complete	3	F., Sp., Su.
	CSCE 1045	Computer Programming II Pre-reqs: CSCE 1015 & CSCE 1035	3	F., Sp., Su.	CSCE 2100	Foundations of Computing Pre-req: CSCE 1040 or CSCE 1045 Co-req: MATH 1710	3	F., Sp., Su.
Year Two	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.	CSCE 2110	Foundations of Data Structures Pre-req: CSCE 1040 or CSCE 1045	3	F., Sp., Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Science with Lab	Options on mydegreeaudit.unt.edu	3-4	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours		15-16		Total Hours		15-16	
	CSCE 3055	IT Project Management Pre-reg: CSCE 2100	3	F., Sp.	CSCE 3530	Introduction to Computer Networks  Pre-reg: CSCE 3600	3	F., Sp.
	CSCE 3220	Human Computer Interfaces Pre-req: CSCE 2100, 2110	3	F., Sp.	CSCE 3605	Systems Administration Pre-req: CSCE 3600	3	F., Sp.
Year Three	CSCE 3420	Internet Programming Pre-req: CSCE 2100, 2110	3	F., Sp.	CSCE 3615	Enterprise Systems Architecture  Pre-req: CSCE 2100	3	F., Sp.
rear 1	CSCE 3600	Systems Programming Pre-req: CSCE 2100 & 2110	3	F., Sp.	CSCE 4350	Database Systems Pre-regs: CSCE 2100, 2110	3	F., Sp.
	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours		15		Total Hours		15	
	CSCE 3550	Foundations of Computer Security  Pre-reg/Co-reg: CSCE 2110	3	F.	CSCE 4010	Social Issues Pre-req: CSCE 3600	3	F., Sp., Su.
	CSCE 4355	Database Administration  Pre-reg: CSCE 4350	3	F.	CSCE 4925	Capstone II Pre-reg: CSCE 4905	3	Sp.
Four	CSCE 4535	Network Administration  Pre-reg: CSCE 3530	3	F.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
Year Four	CSCE 4905	Capstone I Pre-regs: CSCE 3055, 3615	3	F.	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
•	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies	Supporting Area	Options via mydegreeaudit.unt.edu or your advisor	3	Varies
	Total Hours	44	15		Total Hours	5. your davisor	15	
						1		1

ENGL, TECM, MATH, BIOL, CHEM, GEOG, GEOL, PHYS, CSCE and Supporting Area 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. You should check your degree audit at mydegreeaudit.unt.edu each term. You should meet with your advisor each term to discuss individual scheduling, program decisions, etc.

### **Materials Science and Engineering**

Bachelor of Science (B.S.) degree with a major in Materials Science and Engineering Department of Materials Science and Engineering, Discovery Park (NTDP) E-132; (940) 565-3260

#### **University Core**

#### **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

#### FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- MATH 2730, Multivariable Calculus (3 Hours)
- MATH 3410, Differential Equations (3 Hours)

#### **SCIENCES**

- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)
- ☐ CHEM 1420, General Chemistry II (3 Hours)
- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)

#### **Major Requirements**

Grades of C or better

#### MECHANICAL ENGINEERING

■ ENGR 2301, Statics (3 Hours)

#### **MATERIALS SCIENCE AND ENGINEERING**

- MTSE 1100, Discover How and Why Materials Matter (3 Hours)
- MTSE 3000, Fundamentals of Materials Science and Engr. I (3 Hours)
- MTSE 3001, Fundamentals of Materials Science and Engr. II (3 Hours)
- MTSE 3010, Bonding and Structure (3 Hours)
- MTSE 3020, Microstructure and Characterization (3 Hours)
- MTSE 3030, Thermodynamics and Phase Diagrams (3 Hours)
- ☐ MTSE 3040, Transport Phenomena (3 Hours)
- MTSE 3050, Mechanical Properties (3 Hours)
- MTSE 3060, Phase Transformations (3 Hours)
- MTSE 3070, Electrical, Optical, and Magnetic Properties (3 Hours)
- MTSE 3080, Materials Processing (3 Hours)
- MTSE 3090, Laboratory I (1 Hour)
- MTSE 3100, Laboratory II (1 Hour)
- ☐ MTSE 3110, Materials Aspects of Quantum Materials (3 Hours)
- MTSE 4010, Physical Metallurgy Principles (3 Hours)
- MTSE 4030, Ceramic Science and Engineering (3 Hours)
- MTSE 4050, Polymer Science and Engineering (3 Hours)
- MTSE 4060, Materials Selection and Performance (3 Hours)
- MTSE 4100, Senior Design II (3 Hours)

#### MATERIALS SCIENCE AND ENGINEERING ELECTIVES

- ☐ 1 MTSE 4\*\*\* elective (3 Hours) chosen from list below
- ☐ 1 MTSE 4\*\*\* elective (3 Hours) chosen from list below

MTSE 4020, Materials in Medicine (3 Hours)

MTSE 4040, Computational Materials Science (3 Hours)

MTSE 4070, Electronic Materials (3 Hours)

### Materials Science and Engineering – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement		Su.	1720	Pre-req: MATH 1710		Su.
	CHEM	General Chemistry I	3	F., Sp.,	PHYS	Mechanics	3	F., Sp.,
	1410	Pre-req: MATH 1100 or higher		Su.	1710	Pre-req: MATH 1710		Su.
Je	CHEM	General Chemistry I Lab	1	F., Sp.,	PHYS	Mechanics Lab	1	F., Sp.,
ō	1430	Co/Pre-req: CHEM 1410		Su.	1730	Co/Pre-req: PHYS 1710		Su.
Year One	MTSE 1100	Discover How and Why Materials Matter	3	F.	CHEM 1420	General Chemistry II	3	F., Sp.
_		Outions as assistance and thought and	3	F C 2		Pre-req: CHEM 1410, 1430	2	Г Съ
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-reg: Communication Core	3	F., Sp., Su.
	Total			Ju.	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Hours		14		Core	Options on mydegreeaudit.unt.edd		Su.
					Total			
					Hours		16	
	MATH	Multivariable Calculus	3	F., Sp.,	MATH	Differential Equations	3	F., Sp.,
	2730	Pre-reg: MATH 1720		Su.	3410	Pre-reg: MATH 1720		Su.
	PHYS	Electricity & Magnetism	3	F., Sp.,	MTSE	Fundamentals II	3	Sp.
	2220	Pre-reg: PHYS 1710/1730		Su.	3001	Co/Pre-req: MTSE 3000		
		Co-req: MATH 1720				,		
0	PHYS	Electricity & Magnetism Lab	1	F., Sp.,	MTSE	Quantum Materials	3	Sp.
Š	2240	Co/Pre-req: PHYS 2220		Su.	3110	Pre-req: MTSE 3000, PHYS 2220		
Year Two	MTSE	Fundamentals I	3	F., Sp.	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
Į,	3000	Pre-req: CHEM 1410, 1430			Core			Su.
	ENGR	Statics	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	2301	Pre-regs: MATH 1710, PHYS 1710, 1730		Su.	Core			Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total			
	Core			Su.	Hours		15	
	Total							
	Hours		16		1		1	
	MTSE	Bonding and Structure	3	F.	MTSE	Mechanical Properties	3	Sp.
	3010	Pre-reg: MTSE 3000			3050	Pre-reg: MTSE 3000		
	MTSE	Microstructure and Characterization	3	F.	MTSE	Phase Transformations	3	Sp.
	3020	Pre-reg: MTSE 3000			3060	Pre-reg: MTSE 3010, 3030, 3040		
	MTSE	Thermodynamics and Phase Diagrams	3	F.	MTSE	Elect., Optical, Magnetic Properties	3	Sp.
ee	3030	Pre-reg: MTSE 3000			3070	Pre-reg: MTSE 3000		
Ē	MTSE	Transport Phenomena	3	F.	MTSE	Materials Processing	3	Sp.
Year Three	3040	Pre-req: MTSE 3000, MATH 3410			3080	Pre-req: MTSE 3040		
Υe	MTSE	Laboratory I	1	F.	MTSE	Laboratory II	1	Sp.
	3090	Pre-req: MTSE 3000			3100	Pre-req: MTSE 3090		
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Core			Su.	Core		+	Su.
	Total Hours		16		Total Hours		16	
	Tiours		1 10	I	Hours		1 10	I.
	MTSE	Physical Metallurgy Principles	3	F.	MTSE	Polymer Science and Engineering	3	Sp.
	4010	Pre-regs: MTSE 3010, 3030, 3040		L	4050	Pre-req: MTSE 3000		<u>L</u>
	MTSE	Ceramic Science and Engineering	3	F.	MTSE	Senior Design II	3	Sp.
	4030	Pre-regs: MTSE 3010, 3020, 3040			4100	Pre-req: MTSE 4090		<u> </u>
<b>=</b>	MTSE	Selection and Performance	3	F.	MTSE	MTSE 4020 or MTSE 4040 or MTSE 4070	3	Sp.
	4060	Pre-regs: MTSE 3030, 3040, 3050			Elective	Must complete pre-reqs		
= =	MTSE	Senior Design I	3	F.	MTSE	MTSE 4020 or MTSE 4040 or MTSE 4070	3	Sp.
Year Four	4090	Pre-regs: MTSE 3010, 3020, 3030, 3040, 3050, 3070, 3080			Elective	Must complete pre-reqs		
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total			
	Core			Su.	Hours		12	<u> </u>
	Total							
	Hours		15	1			1	1

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### Materials Science and Engineering – Pre-Calculus

2025-2026 Catalog: Sample Four-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester		Hours	Offered	Semester		Hours	Offered
	MATH	Pre-Calculus	5	F., Sp.,	MATH	Calculus I	4	F., Sp.,
	1650	Pre-req: MATH 1100, 1600 or Test Placement		Su.	1710	Pre-req: MATH 1650 or Test Placement		Su.
	CHEM	General Chemistry I	3	F., Sp.,	CHEM	General Chemistry II	3	F., Sp.,
Year One	1410	Pre-req: MATH 1100 or higher		Su.	1420	Pre-req: CHEM 1410, 1430		Su.
ō	CHEM	General Chemistry I Lab	1	F., Sp.,	TECM	Technical Writing	3	F., Sp.,
ea	1430	Co/Pre-req: CHEM 1410		Su.	2700	Pre-req: Communication Core	-	Su.
>	MTSE 1100	Discover How and Why Materials Matter	3	F.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total			Ju.	Total			Ju.
	Hours		15		Hours		16	
	NAATU.		1 2	F 6:	I 848-TH		1 2	F 6:
	MATH 1720	Calculus II Pre-req: MATH 1710	3	F., Sp., Su.	MATH 3410	Differential Equations Pre-reg: MATH 1720	3	F., Sp., Su.
	PHYS	Mechanics	3	F., Sp.,	MATH	Multivariable Calculus	3	F., Sp.,
	1710	Pre-req: MATH 1710		Su.	2730	Pre-req: MATH 1720		Su.
	PHYS	Mechanics Lab	1	F., Sp.,	PHYS	Electricity & Magnetism	3	F., Sp.,
0	1730	Co/Pre-req: PHYS 1710		Su.	2220	Pre-req: PHYS 1710/1730		Su.
≥						Co-req: MATH 1720		
Year Two	MTSE	Fundamentals I	3	F., Sp.	PHYS	Electricity & Magnetism Lab	1	F., Sp.,
Ϋ́e	3000	Pre-req: CHEM 1410, 1430	2	F. C.	2240	Co/Pre-req: PHYS 2220	-	Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	MTSE 3001	Fundamentals II	3	Sp.
	University	Ontinue an include and a substitute and a	3	F., Sp.,	ENGR	Co/Pre-req: MTSE 3000	3	F., Sp.,
	Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	2301	Statics <i>Pre-reqs: MATH 1710, PHYS 1710, 1730</i>	3	F., Sp., Su
	Total			54.	Total	Fre-regs. MATTI 1710, FITTS 1710, 1730		- Ju
	Hours		16		Hours		16	
	MTSE	Bonding and Structure	3	F.	MTSE	Mechanical Properties	3	Sp.
	3010	Pre-req: MTSE 3000			3050	Pre-req: MTSE 3000		
	MTSE	Microstructure and Characterization	3	F.	MTSE	Phase Transformations	3	Sp.
	3020	Pre-req: MTSE 3000	-		3060	Pre-req: MTSE 3010, 3030, 3040		•
بو	MTSE 3030	Thermodynamics and Phase Diagrams	3	F.	MTSE 3070	Elect., Optical, Magnetic Properties	3	Sp.
hre	MTSE	Pre-req: MTSE 3000	3	F.	MTSE	Pre-req: MTSE 3000  Materials Processing	3	Sp.
Year Three	3040	Transport Phenomena  Pre-reg: MTSE 3000, MATH 3410	3	١.	3080	Pre-req: MTSE 3040	3	эμ.
ea	MTSE	Laboratory I	1	F.	MTSE	Laboratory II	1	Sp.
_	3090	Pre-reg: MTSE 3000			3100	Pre-req: MTSE 3090		
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	MTSE	Quantum Materials	3	F., Sp.
	Core	, ,		Su.	3110	Pre-req: MTSE 3000, PHYS 2220		
	Total				Total			
	Hours		16		Hours		16	
	MTSE	Physical Metallurgy Principles	3	F.	MTSE	Polymer Science and Engineering	3	Sp.
	4010	Pre-regs: MTSE 3010, 3030, 3040		1.	4050	Pre-req: MTSE 3000	3	Jþ.
	MTSE	Ceramic Science and Engineering	3	F.	MTSE	Senior Design II	3	Sp.
	4030	Pre-regs: MTSE 3010, 3020, 3040			4100	Pre-reg: MTSE 4090		-p.
_	MTSE	Selection and Performance	3	F.	MTSE	MTSE 4020 or MTSE 4040 or MTSE 4070	3	Sp.
ō	4060	Pre-reqs: MTSE 3030, 3040, 3050			Elective	Must complete pre-reqs		•
Ŧ.	MTSE	Senior Design I	3	F.	MTSE	MTSE 4020 or MTSE 4040 or MTSE 4070	3	Sp.
	4090	Pre-regs: MTSE 3010, 3020, 3030, 3040, 3050,			Elective	Must complete pre-reqs		
Year Four		3070, 3080						
Yea	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
Yea			3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Yea	University		3			Options on mydegreeaudit.unt.edu	3	

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### Materials Science and Engineering – College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	College Algebra	3	F., Sp.,	MATH	Pre-Calculus	5	F., Sp.,
	1100	Pre-req: TSI Completion	3	Su.	1650	Pre-req: MATH 1100, 1600 or Test Placement	3	Su.
ne	MTSE 1100	Discover How and Why Materials Matter	3	F.	CHEM 1410	General Chemistry I Pre-req: MATH 1100 or higher	3	F., Sp., Su.
Year One	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	CHEM 1430	General Chemistry   Lab Co/Pre-reg: CHEM 1410	1	F., Sp., Su.
×	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-rea: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	Total Hours		12	
	Total Hours		15	34.	110013		12	I
	110013	<u> </u>	13		<u> </u>			
	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1720	Calculus II Pre-reg: MATH 1710	3	F., Sp., Su.
	CHEM 1420	General Chemistry II  Pre-reg: CHEM 1410, 1430	3	F., Sp., Su.	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.
9	MTSE	Fundamentals I	3	F., Sp.	PHYS	Mechanics Lab	1	F., Sp.,
Year Two	3000	Pre-req: CHEM 1410, 1430			1730	Co/Pre-req: PHYS 1710		Su.
Yea	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	MTSE 3001	Fundamentals II Co/Pre-req: MTSE 3000	3	Sp.
	Total Hours		13		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		13	
					_			
	MATH 2730	Multivariable Calculus  Pre-req: MATH 1720	3	F., Sp., Su.	MATH 3410	Differential Equations Pre-req: MATH 1720	3	F., Sp., Su.
	PHYS 2220	Electricity & Magnetism Pre-req: PHYS 1710/1730	3	F., Sp., Su.	MTSE 3110	Quantum Materials Pre-req: MTSE 3000, PHYS 2220	3	F., Sp.
Year Three	PHYS	Co-req: MATH 1720 Electricity & Magnetism Lab	1	F., Sp.,	MTSE	Mechanical Properties	3	Sp.
ear T	2240 ENGR	Co/Pre-req: PHYS 2220 Statics	3	Su. F., Sp.,	3050 University	Pre-req: MTSE 3000 Options on mydegreeaudit.unt.edu	3	F., Sp.,
<b>&gt;</b>	2301 University	Pre-reqs: MATH 1710, PHYS 1710, 1730 Options on mydegreeaudit.unt.edu	3	Su F., Sp.,	Core Total			Su.
	Core Total			Su.	Hours		12	
	Hours		13					
	MTSE 3010	Bonding and Structure Pre-reg: MTSE 3000	3	F.	MTSE 3060	Phase Transformations Pre-req: MTSE 3010, 3030, 3040	3	Sp.
	MTSE 3020	Microstructure and Characterization	3	F.	MTSE 3070	Elect., Optical, Magnetic Properties	3	Sp.
onr	MTSE	Pre-req: MTSE 3000  Thermodynamics and Phase Diagrams	3	F.	MTSE	Pre-req: MTSE 3000  Materials Processing	3	Sp.
Year Four	3030 MTSE	Pre-req: MTSE 3000 Transport Phenomena	3	F.	3080 MTSE	Pre-req: MTSE 3040  Laboratory II	1	Sp.
Ye	3040 MTSE	Pre-req: MTSE 3000, MATH 3410 Laboratory I	1	F.	3100 University	Pre-req: MTSE 3090 Options on mydegreeaudit.unt.edu	3	F., Sp.,
	3090 Total	Pre-req: MTSE 3000		-	Core	, , , , , , , , , , , , , , , , , , , ,		Su.
	Hours		13		Hours		13	
	MTCF	Physical Metallurgy Principles	3	F.	MTSE 4050	Polymer Science and Engineering Pre-req: MTSE 3000	3	Sp.
	MTSE 4010	Pre-reas: MTSF 3010 3030 3040			+0.50		1	1
	4010 MTSE	Pre-regs: MTSE 3010, 3030, 3040  Ceramic Science and Engineering  Pro-regs: MTSE 3010, 3030, 3040	3	F.	MTSE	Senior Design II	3	Sp.
Five	4010 MTSE 4030 MTSE	Ceramic Science and Engineering Pre-reqs: MTSE 3010, 3020, 3040 Selection and Performance	3	F.	4100 MTSE	Pre-req: MTSE 4090           MTSE 4020 or MTSE 4040 or MTSE 4070	3	Sp.
ar Five	4010 MTSE 4030 MTSE 4060	Ceramic Science and Engineering Pre-reqs: MTSE 3010, 3020, 3040 Selection and Performance Pre-reqs: MTSE 3030, 3040, 3050	3	F.	4100 MTSE Elective	Pre-req: MTSE 4090  MTSE 4020 or MTSE 4040 or MTSE 4070  Must complete pre-reqs	3	Sp.
Year Five	4010 MTSE 4030 MTSE	Ceramic Science and Engineering Pre-reqs: MTSE 3010, 3020, 3040 Selection and Performance			4100 MTSE	Pre-req: MTSE 4090           MTSE 4020 or MTSE 4040 or MTSE 4070		

### **Mechanical and Energy Engineering**

Bachelor of Science (B.S.) degree with a major in Mechanical and Energy Engineering Department of Mechanical Engineering, Discovery Park (NTDP) F-101; (940) 565-2400

#### **University Core**

#### **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

☐ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

#### FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

☐ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

□ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)
- MATH 2700, Linear Algebra (3 Hours)
- MATH 2730, Multivariable Calculus (3 Hours)
- ☐ MATH 3410, Differential Equations (3 Hours)

#### **SCIENCES**

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) &
   PHYS 2240, Electricity & Magnetism Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) &
   CHEM 1430, General Chemistry I Lab (1 Hour)

#### **Major Requirements**

Grades of C or better

#### MECHANICAL AND ENERGY ENGINEERING

- ENGR 1304, Engineering Graphics (3 Hours)
- ENGR 2301, Statics (3 Hours)
- ENGR 2302, Dynamics (3 Hours)
- ENGR 2332, Mechanics of Materials (3 Hours)
- EENG 2610, Circuit Analysis (3 Hours)
- ENGR 3450, Engineering Materials (4 Hours)
- MEEN 1000, Discover Mechanical and Energy (2 Hours)
- ☐ MEEN 2110, Engineering Data Analysis (3 Hours)
- MEEN 2210, Thermodynamics I (3 Hours)
- ☐ MEEN 2240, Programming for Mechanical Engr. (3 Hours)
- MEEN 3100, Manufacturing Processes (3 Hours)
- MEEN 3110, Thermodynamics II (3 Hours)
- ☐ MEEN 3120, Fluid Mechanics (3 Hours)
- ☐ MEEN 3130, Machine Elements (3 Hours)
- ☐ MEEN 3210, Heat Transfer (3 Hours)
- ☐ MEEN 3230, System Dynamics and Controls (3 Hours)
- ☐ MEEN 3240, Laboratory I (2 Hours)
- MEEN 3242, Laboratory II (1 Hour)
- ☐ MEEN 3250, Numerical Methods for MEE Engineers (3 Hours)
- MEEN 4150, Design I (3 Hours)
- ☐ MEEN 4250, Capstone Design (3 Hours)

#### **ENERGY ELECTIVES**

- 1 Energy Elective course (3 Hours)
- □ 1 Energy Elective course (3 Hours)

See mydegreeaudit.unt.edu or catalog.unt.edu for list of Energy Elective course options.

#### **TECHNICAL ELECTIVES**

- □ 1 Technical Elective course (3 Hours)
- □ 1 Technical Elective course (3 Hours)

See mydegreeaudit.unt.edu or catalog.unt.edu for list of Technical Elective course options.

# Mechanical and Energy Engineering – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH 1710	Calculus I Pre-reg: MATH 1650 or Test Placement	4	F., Sp., Su.	MATH 1720	Calculus II Pre-reg: MATH 1710	3	F., Sp., Su.
	CHEM 1410	General Chemistry I  Pre-reg: MATH 1100 or higher	3	F., Sp., Su.	PHYS 1710	Mechanics	3	F., Sp., Su.
o o	CHEM	General Chemistry I Lab	1	F., Sp.,	PHYS	Pre-req: MATH 1710  Mechanics Lab	1	F., Sp.,
Year One	1430	Co/Pre-req: CHEM 1410	_	Su.	1730	Co/Pre-req: PHYS 1710	1	Su.
a	MEEN	Discover Mechanical & Energy	2	F., Sp.	ENGR	Engineering Graphics	3	F., Sp.
Ϋ́e	1000	Pre-req: MATH 1650		, ,	1304	2		, ,
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		16				16	
	MATH	Multivariable Calculus	3	F., Sp.,	MATH	Differential Equations	3	F., Sp.,
	2730	Pre-reg: MATH 1720		Su.	3410	Pre-reg: MATH 1720		Su.
	PHYS 2220	Electricity & Magnetism Pre-req: PHYS 1710/1730	3	F., Sp., Su.	MEEN 2210	Thermodynamics I Pre-reqs: MEEN 1000, MATH 1720, & PHYS 1710	3	F., Sp., Su.
		Co-req: MATH 1720	<b>.</b>					
	PHYS 2240	Electricity & Magnetism Lab Co/Pre-req: PHYS 2220	1	F., Sp., Su.	ENGR 2302	Dynamics Pre-reqs: ENGR 2301 & MATH 1720	3	F., Sp., Su.
Year Two	ENGR	Statics	3	F., Sp.,	ENGR	Mechanics of Materials	3	F., Sp.,
a.	2301	Pre-reg: PHYS 1710/1730		Su.	2332	Pre-reg: ENGR 2301		Su.
Ye	MEEN	Programming for Mechanical Engineers	3	F., Sp.	EENG	Circuit Analysis	3	F., Sp.,
	2240	Pre-req: MEEN 1000, Co-req MATH 2700			2610	Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240		Su.
	MATH 2700	Linear Algebra Pre-req: MATH 1720	3	F., Sp., Su.	MEEN 2110	Engineering Data Analysis Pre-regs: MATH 2700 & MEEN 1000	3	F., Sp.
	Total							
	Hours		16				18	
	MEEN	Thermodynamics II	3	F., Sp.,	MEEN	Machine Elements	3	F., Sp.,
	3110	Pre-req: MEEN 2210		Su.	3130	Pre-regs: ENGR 2332 & ENGR 1304		Su.
	MEEN	Fluid Mechanics	3	F., Sp.,	MEEN	Heat Transfer	3	F., Sp.,
	3120	Pre-reqs: MATH 2730, MATH 3410, MEEN 2210, ENGR 2332		Su.	3210	Pre-reqs: MEEN 3110, 3120, 3250		Su.
o o	MEEN	Laboratory I	2	F., Sp.	MEEN	Dynamics and Controls	3	F., Sp.,
Three	3240 MEEN	Pre-regs: MEEN 2110, 2210, & MATH 3410  Numerical Methods	3	F., Sp.	3230 MEEN	Pre-reqs: ENGR 2302, MATH 2700, 3410	1	Su. F., Sp.
	3250	Pre-regs: MEEN 2240 & MATH 3410		т., эр.	3242	Laboratory II  Pre-regs: MEEN 3240 & 3120, Co/Pre-reg: MEEN 3210	1	1., 3ρ.
Year	ENGR 3450	Engineering Materials  Pre-req: PHYS 1710, CHEM 1410/1430, ENGR	4	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Tabel	2332			11-22		2	F. C.
	Total Hours		15		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
			1		Total Hours		16	
				1			1	ı
	MEEN 3100	Manufacturing Processes Pre-regs: ENGR 2332 and 3450	3	F., Sp.	MEEN 4250	Capstone Design Pre-req: MEEN 3100 & 4150	3	F., Sp.
	MEEN 4150	Design I  Pre-reqs: EENG 2610, MEEN 3130, 3210, 3230, & 3242 Co/Pre-req: MEEN 3100	3	F., Sp.	Energy Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
Year Four	Energy Elective	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	Technical Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	F., Sp.
Year	Technical Elective	Options at mydegreeaudit.unt.edu  Must complete pre-regs	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		15	- Ju.	2016		15	Ju.
	110015	<u> </u>	13	l	<u> </u>	<u> </u>	12	l

### Mechanical and Energy Engineering – Pre-Calculus

2025-2026 Catalog: Sample Five-Year Schedule

MATH	•	Credit Hours	Course Title	Spring Semester	Term(s) Offered	Credit Hours	Course Title	Fall Semester	
CHEM   General Chemistry   3   F, Sp.   MEEN   Discover Mechanical & Energy   2   2   140   Pre-reg: MRH 1500   3   3   140   1000   Pre-reg: MRH 1500   3   3   140   Pre-reg: MRH 1500   3   140   Pre-reg: MRH 1500   3   Pre-reg: MRH 1500	F., Sp.,			MATH	F., Sp.,			MATH	
1410	Su.	-				2			
CHEM   General Chemistry   Lab   1   F., Sp.   TECM   Technical Writing   3   3   5   5   5   5   5   5   5   5	2 F., Sp.	2	0.			3	•		ē
Core	F., Sp.,	3				1	General Chemistry I Lab	CHEM	ō
Core	Su.					2			ear
MATH	F., Sp., Su.	3	Options on mydegreeaudit.unt.edu	•	-	3	Options on mydegreeaudit.unt.edu		۶
Total Hours   15	, -1- /	3	Options on mydegreeaudit.unt.edu	•		3	Options on mydegreeaudit.unt.edu	,	
Hours	Su.				Su.				
1720   Pre-reg: MATH 1710   Su   2240   Pre-reg: MEEN 1000, Co-reg MATH 2700   Su   2260   Pre-reg: MEEN 1000, Co-reg MATH 2700   Su   2301   Pre-reg: MEEN 1000, Co-reg MATH 1710   Su   2301   Pre-reg: PHYS 1710/1730, MEEN 1000   3   Pre-reg: PHYS 1710   Su   2301   Pre-reg: PHYS 1710/1730, MEEN 1000   3   Pre-reg: PHYS 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710/1	5	15				15			
1720   Pre-reg: MATH 1710   Su   2240   Pre-reg: MEEN 1000, Co-reg MATH 2700   Su   2260   Pre-reg: MEEN 1000, Co-reg MATH 2700   Su   2301   Pre-reg: MEEN 1000, Co-reg MATH 1710   Su   2301   Pre-reg: PHYS 1710/1730, MEEN 1000   3   Pre-reg: PHYS 1710   Su   2301   Pre-reg: PHYS 1710/1730, MEEN 1000   3   Pre-reg: PHYS 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710   Su   2700   Pre-reg: PHYS 1710/1730, MEEN 1710/1	F., Sp.		Drogramming for Mochanical Engineers	MEEN	E Cn	2	Calculus II	NAATH	
PHYS   Mechanics   3   F, Sp.   ENGR   Statics   3   170   Pre-reg: PMT 1710   PMT 1710	, Γ., 3μ.	3	0 0		-	3			
PHYS   Mechanics Lab   1   F., Sp.,   MATH   Linear Algebra   3   1730   Co/Pre-req: PHYS 1710   3   5   5   5   5   5   5   5   5   5	, -1- /	3	Statics		F., Sp.,	3	Mechanics		
1730   Co/Pre-req: PHYS 1710   Su.   2700   Pre-req: MATH 1720   Su.   2700   Pre-req: MATH 1720   Su.   2730   Pre-req: PHYS 1710/1730. Co-req: MATH 1720   Su.   2730   Pre-req: MEEN 1740/1740   Su.   2730   Pre-req: MEEN 1740/1740   Su.   2730   Pre-req: MEEN 1740/1740   Su.   2730   Pre-req: PHYS 1740/1740   Pre-req: PHYS 1740/1740   Pre-req: PHYS 1740/ PHYS 1740   Pre-req: PHYS 1740/ PHY	Su.					1			
University   Options on mydegreeaudit.unt.edu   3   F, Sp.   PHYS   Electricity & Magnetism   3   2240   2220   PHYS   Electricity & Magnetism Lab   1   1   1   2240   Co/Pre-reg: PHYS 2220   1   1   1   1   1   1   1   1   1	F., Sp., Su.	3				1			آج
University   Options on mydegreeaudit.unt.edu   3   F, Sp.   PHYS   Electricity & Magnetism   3   2240   2220   PHYS   Electricity & Magnetism Lab   1   1   1   2240   Co/Pre-reg: PHYS 2220   1   1   1   1   1   1   1   1   1		3	•			3			۳٦
Core   Su.   2220   Pre-reg: PHYS 1710/1720   Coreq: MATH 1720   Total   Hours   13   2240   Co/Pre-reg: PHYS 2220   Total   Hours   16	Su.	<u></u>	•						Υe
Total   Hours   13	F., Sp., Su.	3	, .			3	Options on mydegreeaudit.unt.edu		
Hours   Hour		1			Su.				
Hours   Hour	Su.		Co/Pre-reg: PHYS 2220			13		Hours	
MATH   Differential Equations   3   F., Sp.,   MEEN   Engineering Data Analysis   3   3   5   5   5   5   5   5   5   5	6	16							
NEEN   Fluid Mechanics   12   Neer-reg: MATH 1720   13   14   15   15   15   15   15   16   16   16	0	10		Hours					
MEEN	F., Sp.	3			-	3			
Pre-reqs: MEEN 1000, MATH 1720, PHYS 1710   Su.   3110   Pre-req: MEEN 2210   Pre-reqs: MEEN 2210   Pre-reqs: ENGR 2301 & MATH 1720   Su.   3450   Pre-req: MEEN 2310   Pre-req: PHYS 1710, CHEM 1410/1430, ENGR 2332   Pre-req: ENGR 2301   Su.   2610   Pre-req: MATH 1720 Co/Pre-req: PHYS   3   Pre-req: MEEN 2200/2240   Pre-req: MATH 1720 Co/Pre-req: PHYS   3   Pre-req: MEEN 2200/2240   Pre-req: MEEN 210, 210, ENGR 2332   Pre-req: MEEN 210, 210, ENGR 2332   Pre-req: MEEN 210, 210, ENGR 2332   Pre-req: MEEN 210, 2210, ENGR 2332   Pre-req: MEEN 210, 2210, ENGR 2332   Pre-req: MEEN 2110, 210, 2210, ENGR 2332   Pre-req: MEEN 3110, 3120, 3250   Pre-req: MEEN 210, 210, ENGR 230, ENGR 2	3 F., Sp.,	2				2	·		r Three
ENGR   Dynamics   3   F., Sp.,   ENGR   Engineering Materials   4	Su.	3	*			3			
Su.   2610   Pre-req: MATH 1720 Co/Pre-req: PHYS   3   2220/2240     Total   Hours   12     Total   Hours   13	F., Sp.	4		ENGR	F., Sp.,	3		ENGR	
Su.   2610   Pre-req: MATH 1720 Co/Pre-req: PHYS   3   2220/2240     Total   Hours   12     Total   Hours   13				3450	Su.		Pre-reqs: ENGR 2301 & MATH 1720	2302	
Su.   2610   Pre-req: MATH 1720 Co/Pre-req: PHYS   3   2220/2240     Total   Hours   12     Total   Hours   13	F., Sp.,			EENG	F., Sp.,	3	Mechanics of Materials	ENGR	eal
Total   Hours   12		3		2610			Pre-req: ENGR 2301	2332	
Hours   12			2220/2240	Total				Total	
Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304     MEEN	3	13				12			
Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304     MEEN	F., Sp.,	3	Machine Flements	MFFN	F. Sp.	3	Fluid Mechanics	MFFN	
Substitute   Sub	Su.					3			
MEEN Numerical Methods 3 F., Sp. MEEN 3250 Pre-reqs: MEEN 2240 & MATH 3410 3 F., Sp., MEEN 3230 Pre-reqs: ENGR 2302, MATH 2700, 3410 1 Options on mydegreeaudit.unt.edu 3 F., Sp., MEEN Laboratory II 1 Su. 3242 Pre-reqs: MEEN 3240 & 3120, Co/Pre-req: MEEN 3210 Options on mydegreeaudit.unt.edu 3 F., Sp., Sp., Core Total Hours 15 Total Hours 15 MEEN Manufacturing Processes 3 F., Sp. MEEN Capstone Design 3	, -1- /	3			F., Sp.	2	·		
Substitute   Sub	Su. 3 F., Sp.,	3			F Sn	3			_
University Options on mydegreeaudit.unt.edu  Su. Core  Total Hours  MEEN Manufacturing Processes  Total Su. Core Total Su. Tot	Su.		•		τ., σρ.	3			our
University Options on mydegreeaudit.unt.edu  Su. Core  Total Hours  MEEN Manufacturing Processes  Total Su. Core Total Su. Tot	L F., Sp.	1	•	MEEN	F., Sp.,	3	Options on mydegreeaudit.unt.edu	University	ır F
University Core Su. Core Su. Core Total Hours Su. MEEN Manufacturing Processes Su. F., Sp., MEEN Capstone Design Su. Capstone			•	3242	Su.			Core	Yea
Total Hours 15 Total Hours 13  MEEN Manufacturing Processes 3 F., Sp. MEEN Capstone Design 3	F., Sp.,	3		University	F., Sp.,	3	Options on mydegreeaudit.unt.edu	University	
Hours 15 Hours 13  MEEN Manufacturing Processes 3 F., Sp. MEEN Capstone Design 3	Su.				Su.				
MEEN Manufacturing Processes 3 F., Sp. MEEN Capstone Design 3	3	13				15			
	· · · · · · · · · · · · · · · · · · ·							<u>'</u>	
3100   Pre-regs: ENGR 2332 and 3450   4250   Pre-reg: MEEN 3100 & 4150	F., Sp.	3	Capstone Design Pre-req: MEEN 3100 & 4150	MEEN 4250	F., Sp.	3			
MEEN Design I 3 F., Sp. Energy Options at mydegreeaudit.unt.edu Must 3	F., Sp.	3	•		F., Sp.	3	·		
4150 Pre-regs: FENG 2610 MEEN 3130 3210 3230 Flective complete pre-regs					•		Pre-regs: EENG 2610, MEEN 3130, 3210, 3230,		بو
8 3242 Co/Pre-req: MEEN 3100 Energy Options at mydegreeaudit.unt.edu 3 F., Sp. Technical Options at mydegreeaudit.unt.edu Must 3	) [ [ -	-	Ontions at mudagrace addition addition	Tochnical	E C~	2	·	Enorma	₽
& 3242 Co/Pre-req: MEEN 3100  Energy Options at mydegreeaudit.unt.edu	F., Sp.	3			г., эр.	3	, , ,		ear
reclinical Options at mydegreeaddictunit.edd 5 Fr., 5p. Total		_	· · · · · ·	Total	F., Sp.	3	Options at mydegreeaudit.unt.edu	Technical	×
Elective Must complete pre-reqs Hours 9 Total	<del>)</del>	9		Hours			iviust complete pre-reqs		
						12		Hours	

# Mechanical and Energy Engineering – College Algebra

MATH   100		Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
100   Pre-reg. TSI Completion   Su.   1650   Pre-reg. AMTH 1100, 1800 or Test Placement   Su.   2700   Pre-reg. Communication Croe   Su.   2700   Pre-reg. Communication Croe   Su.   2700   Pre-reg. Communication Croe   Su.   Core   University   Options on mydegreeaudit.unt.edu   3   F., Sp.   University   Core   University   Options on mydegreeaudit.unt.edu   3   F., Sp.   University   Core   Total   Hours   Su.   Total   Hours   Pre-reg. Communication Croe   Total   Hours   Pre-reg. Communication Croe   Su.   Total   Hours   Pre-reg. Mart   2700   Pre-reg. Mart   2							Dro Coloulus	Hours	Offered
Comm.   Options on mydegreeaudit.unt.edu   3   F., Sp.   TECM   Tochnical Writing   Core			5 5	3	-			5	F., Sp., Su.
University   Options on mydegreeaudit.unt.edu   3   F., Sp.   University   Core   Options on mydegreeaudit.unt.edu   3   F., Sp.   University   Options on mydegreeaudit.unt.edu   3   F., Sp.   University   Options on mydegreeaudit.unt.edu   3   Total   Hours   Officerd   Su.   Total   Hours   Officerd   Su.   Total   Hours   Officerd   Su.   Total   Hours   Officerd   Semester   MATH   Calculus   1   Calculus   Calculus   1   Calculus	e l		, ,	3				3	F., Sp.,
University   Options on mydegreeaudit unt.edu   3   F., Sp.   University   Options on mydegreeaudit.unt.edu   3   Su.   Total   Hours   12   Total   Hours   12   Total   Hours   12   Total   Hours   12   Total   Hours   14   Total   Hours   15   Total   Hours   15   Total   Hours   16   Total   Hours   16   Total   Hours   16   Total   Hours   17   Total   Hours   18   Total   Hours	5							_	Su.
University   Options on mydegreeaudit unt.edu   3   F., Sp.   University   Options on mydegreeaudit.unt.edu   3   Su.   Total   Hours   12   Total   Hours   12   Total   Hours   12   Total   Hours   12   Total   Hours   14   Total   Hours   15   Total   Hours   15   Total   Hours   16   Total   Hours   16   Total   Hours   16   Total   Hours   17   Total   Hours   18   Total   Hours	ear	,	, , ,	3		,	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Fall	-			3			Options on mydegreeaudit.unt.edu	3	F., Sp.,
Fall   Course Title   Credit   Hours   Spring   Course Title   Credit   Hours   Spring   Course Title   Credit   Mark   Calculus   1710   Pre-reg. MATH 1550 or Test Plocement   4   F., Sp., MATH   Calculus   3   F., Sp., MEEN   Calculus   Calc		Core	e , , , , , , , , , , , , , , , , , , ,		-	Core	, , ,		Su.
Fail   Course Title   Credit   Hours   Officere   Semester   Hours   Sulphane   Sul				4.2					
Semester   Hour   Officered   Semester   Hour   Officered   Semester   Hour   Officered   Semester   Hour   Officered   Semester   Hour   Sul   1710   Pre-reg: MATH 1550 or Test Placement   Sul   1720   Pre-reg: MATH 1710   3   3   7   5   5   1720   Pre-reg: MATH 1710   3   3   7   5   1720   Pre-reg: MATH 1710   3   3   7   5   1720   Pre-reg: MATH 1710   1   1   1   1   1   1   1   1   1		Hours	rs	12		Hours		14	
Semester   Hour   Softered   Semester   Hour   Softered   Semester   Hour   Marth   Calculus   1710   Pre-reg: MATH 1550 or Test Plocement   Su.   1720   Pre-reg: MATH 1770   3   5   5   5   7   7   7   7   7   7   7		Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s
1710				Hours				Hours	Offere
CHEM   General Chemistry				4				3	F., Sp.,
1410   Pre-reg: MATH 1100 or higher   Su.   1710   Pre-reg: MATH 1710				2			,	2	Su. F., Sp.,
1000   Pre-regi: MATH 1650     3   F., Sp., University   Options on mydegreeaudit.unt.edu   3   Su.   Core   Total   Hours   13   Hours   Total   Hours   13   Hours   14   Hours   15   Hours   16   Hours   17	9		· ·		-				Su.
1000	-	CHEM	•	1	F., Sp.,	PHYS		1	F., Sp.,
1000	ai								Su.
University   Options on mydegreeaudit.unt.edu   3   F., Sp., Core   Total   Total   Hours	ב		<u>.</u>	2	F., Sp.		Engineering Graphics	3	F., Sp.
Total   Hours   Hours   Free   Hours   Free   Hours   Hours   Free   Hours			,	3	F., Sp.,		Options on mydegreeaudit.unt.edu	3	F., Sp.
Hours   Fall   Course Title   Credit   Hours   Spring   Semester		Core	e		Su.	Core			Su.
Fall   Course Title   Credit   Hours   Offered   Semester   Differential Equations   3									
New North Programming for Mechanical Engineers   3   F., Sp.   MATH   Differential Equations   3   Pre-reg: MEEN 1000, Co-reg MATH 2700   3   F., Sp.   MATH   Differential Equations   3   Pre-reg: MATH 1720   Pre-reg: PHYS 1710/130, Co-reg: MATH 1720   Su.   2302   Pre-reg: ENGR 2301 & MATH 1720   Pre-reg: PHYS 1710/130, Co-reg: MATH 1720   Su.   Pre-reg: ENGR 2301   Pre-reg: ENGR 2302   ENGR 2302   Pre-reg: ENGR 230		Hours	rs	13		Hours		13	
MEEN   Programming for Mechanical Engineers   3   F., Sp.   MATH   Differential Equations   3   3   7   7   7   7   7   7   7   7		Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s
Pre-reg: MEEN 1000, Co-req MATH 2700   Statics   Stati				Hours	Offered	Semester		Hours	Offere
Nath   Common   Pre-reg: Phys 1710/1730, MEEN   1000   1	g.		0 0	3	F., Sp.		·	3	F., Sp.,
Pre-reg: PHYS 1710/1730, MEEN 1000   Su.   2110   Pre-reg: MATH 2700 & MEEN 1000				3	F Sn		,	3	Su. F., Sp.
PHYS   Electricity & Magnetism   3   F., Sp.   ENGR   Su.   2332   Pre-req: PHYS   1710/1730. Co-req: MATH 1720   Su.   2332   Pre-req: ENGR 2301									1.,50.
PHYS   Electricity & Magnetism   3   F., Sp.   ENGR   Su.   2332   Pre-req: PHYS   1710/1730. Co-req: MATH 1720   Su.   2332   Pre-req: ENGR 2301	i e		9	3			,	3	F., Sp.,
PHYS   Electricity & Magnetism   3   F., Sp.   ENGR   2332   Pre-req: PHYS   1710/1730. Co-req: MATH 1720   Su.   2332   Pre-req: ENGR 2301	=		,	2				2	Su. F., Sp.,
PHYS   Electricity & Magnetism   3   F., Sp.   ENGR   2332   Pre-req: PHYS   1710/1730. Co-req: MATH 1720   Su.   2332   Pre-req: ENGR 2301	eai						· ·		Su.
PHYS   Electricity & Magnetism Lab   2240   Co/Pre-req: PHYS 2220   Su.   Hours   15	-	PHYS	S Electricity & Magnetism	3	F., Sp.,	ENGR	Mechanics of Materials	3	F., Sp.,
MEEN				4			Pre-req: ENGR 2301		Su.
MEEN			, ,	1				15	
MEEN   Thermodynamics   1   3   F., Sp., Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304   1310   Pre-reqs: MEEN 2210   3   Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304   1310   Pre-reqs: MEEN 2210   Pre-reqs: MEEN 2312 & ENGR 2332 & ENGR 1304   1310   Pre-reqs: MEEN 2310   Pre-reqs: MEEN 2310, 3120, 3250   Pre-reqs: MEEN 3120   Pre-reqs: MEEN 3110, 3120, 3250   Pre-reqs: MEEN 3110, 3120, 3250   Pre-reqs: MEEN 2110, 2210, & MATH 3410   3230   Pre-reqs: ENGR 2302, MATH 2700, 3410   3230   Pre-reqs: PHYS 1710, CHEM 1410/1430, ENGR   3230   Pre-reqs: MEEN 3240 & 3120, Co/Pre-req: MEEN 3210   Pre-reqs: MEEN 3240 & 3120, Co/Pre-req: MEEN 3210   Pre-reqs: MEEN 3240 & 3120, Co/Pre-req: MEEN 3210   Pre-reqs: MEEN 3240 & MATH 3410   Pre-reqs: MEEN 3100 & Math 3450   Pre-reqs: MEEN 3100 &									I
Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304		Hours	rs	16					
Su.   3130   Pre-reqs: ENGR 2332 & ENGR 1304		MEEN	N Thormodynamics II	2	E Cn	MEEN	Machina Floments	2	F., Sp.,
MEEN   Fluid Mechanics   3   F., Sp.,   MEEN   Heat Transfer   3   3   Su.   3210   Pre-regs: MATH 2730, 3410, MEEN 2210, ENGR 2332   2   F., Sp.   MEEN   Dynamics and Controls   3   3240   Pre-regs: MEEN 2110, 2210, & MATH 3410   3230   Pre-regs: ENGR 2302, MATH 2700, 3410   2   Pre-regs: MEEN 3240 & 3120, Co/Pre-reg: MEEN 3210   2   Pre-regs: MEEN 3240 & 3120, Co/Pre-reg: MEEN 3210   2   Pre-regs: MEEN 3240 & 3120, Co/Pre-reg: MEEN 3210   2   Pre-regs: MEEN 3240 & MATH 3410   3   Pre-regs: MEEN 2240 & MATH 3410   3   Pre-regs: MEEN 2240 & MATH 3410   3   Pre-regs: MEEN 2240 & MATH 3410   3   Pre-regs: MEEN 3232   Pre-regs: MEEN 3200   Pre-regs: MEEN 3			•	3	-			3	Γ., 3μ., Su.
MEEN		MEEN		3	F., Sp.,	MEEN	Heat Transfer	3	F., Sp.
3240   Pre-reqs: MEEN 2110, 2210, & MATH 3410   3230   Pre-reqs: ENGR 2302, MATH 2700, 3410				2				2	Su.
EENG 2610         Circuit Analysis 2610         F., Sp., Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240         F., Sp., Su.         MEEN 3250         Numerical Methods Pre-reqs: MEEN 2240 & MATH 3410         3           Total Hours         15         Total Hours         Total Hours         13           MEEN Manufacturing Processes 3100         3 F., Sp. MEEN Pre-reqs: MEEN 3100 & 4150         Capstone Design Pre-reqs: MEEN 3100 & 4150         3	į		· ·	2	F., Sp.		,	3	F., Sp., Su.
EENG 2610         Circuit Analysis 2610         F., Sp., Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240         F., Sp., Su.         MEEN 3250         Numerical Methods Pre-reqs: MEEN 2240 & MATH 3410         3           Total Hours         15         Total Hours         Total Hours         13           MEEN Manufacturing Processes 3100         3 F., Sp. MEEN Pre-reqs: MEEN 3100 & 4150         Capstone Design Pre-reqs: MEEN 3100 & 4150         3	-			4	F., Sp.			1	F., Sp.
EENG 2610         Circuit Analysis 2610         F., Sp., Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240         F., Sp., Su.         MEEN 3250         Numerical Methods Pre-reqs: MEEN 2240 & MATH 3410         3           Total Hours         15         Total Hours         Total Hours         13           MEEN Manufacturing Processes 3100         3 F., Sp. MEEN Pre-reqs: MEEN 3100 & 4150         Capstone Design Pre-req: MEEN 3100 & 4150         3	j	3450	0 Pre-req: PHYS 1710, CHEM 1410/1430, ENGR			3242	Pre-reqs: MEEN 3240 & 3120, Co/Pre-req: MEEN 3210		
2610   Pre-req: MATH 1720 Co/Pre-req: PHYS 2220/2240   3   Su.   3250   Pre-reqs: MEEN 2240 & MATH 3410     Total Hours   15   Total Hours   13     MEEN Manufacturing Processes   3   F., Sp.   MEEN Capstone Design   3   3   3   3   4250   Pre-reqs: ENGR 2332 and 3450   3   3   3   3   3   3   3   3   4   3	٠ .	FENC			Г С-	NAFEN	Ni ari ani Nilatha da	2	F C-
Total   Hours   15				3	-			3	F., Sp.
Hours         15         Hours         13           MEEN 3100         Manufacturing Processes Pre-regs: ENGR 2332 and 3450         3         F., Sp. MEEN 4250         Capstone Design 4250         3           Pre-regs: ENGR 2332 and 3450         4250         Pre-reg: MEEN 3100 & 4150         3	}								
3100 Pre-reqs: ENGR 2332 and 3450 4250 Pre-req: MEEN 3100 & 4150				15				13	
3100 Pre-reqs: ENGR 2332 and 3450 4250 Pre-req: MEEN 3100 & 4150	<del></del>	A 45500	N. Manufashurina S	T a	F 2	A 4550	Country Barin	I a	
			<u> </u>	3	⊦., Sp.		, ,	3	F., Sp.
	ŀ			3	F., Sp.	Energy		3	F., Sp.
A150 Pro race: FENG 3610 MEEN 2120 2210 2220 8	,		O Pre-reqs: EENG 2610, MEEN 3130, 3210, 3230, &				, ,		
3242 Co/Pre-req: MEEN 3100  Energy Options at mydegreegyddi ynt ody Myst 3	:	En anci:		-	F C	TochmiI	Options at mydagrapaudit wat alle Men	-	F C.
Energy Options at mydegreeaudit.unt.edu 3 F., Sp. Technical Options at mydegreeaudit.unt.edu Must 3 Elective Must complete pre-reqs	<u>;</u>			3	г., Sp.		, , ,	3	F., Sp
Technical Options at mydegreeaudit.unt.edu 3 F., Sp. University Options on mydegreeaudit.unt.edu 3	Year Five			3	F., Sp.			2	F., Sp.

12

Core

Total

Hours

Elective

Total

Hours

Must complete pre-reqs

Su.

12

### **Mechanical Engineering Technology**

Bachelor of Science in Engineering Technology (B.S.E.T) degree with a major in Mechanical Engineering Technology

Department of Mechanical Engineering, Discovery Park (NTDP) F-115; (940) 565-2400

#### **University Core**

#### **COMMUNICATION**

1 Course (3 Hours) – see mydegreeaudit.unt.edu
 Grade of "C" or better is required

#### **AMERICAN HISTORY I**

□ 1 Course (3 Hours) chosen from HIST 2610 or HIST 2675

#### **AMERICAN HISTORY II**

□ 1 Course (3 Hours) chosen from HIST 2620 or HIST 2685

#### FEDERAL GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2305 or PSCI 2315

#### STATE GOVERNMENT/POLITICAL SCIENCE

□ 1 Course (3 Hours) chosen from PSCI 2306 or PSCI 2316

#### **CREATIVE ARTS**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### LANGUAGE, PHILOSOPHY, AND CULTURE

☐ 1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **SOCIAL AND BEHAVIORAL SCIENCES**

1 Course (3 Hours) – see mydegreeaudit.unt.edu

#### **Major Requirements**

Grades of C or better

#### **TECHNICAL COMMUNICATIONS**

☐ TECM 2700, Technical Writing (3 Hours)

#### **MATHEMATICS**

- MATH 1710, Calculus I (4 Hours)
- MATH 1720, Calculus II (3 Hours)

#### **SCIENCES**

- PHYS 1710, Mechanics (3 Hours) & PHYS 1730 Mechanics Lab (1 Hour)
- PHYS 2220, Electricity & Magnetism (3 Hours) & PHYS 2240, Electricity & Magnetism Lab (1 Hour)
- CHEM 1410, General Chemistry I (3 Hours) & CHEM 1430, General Chemistry I Lab (1 Hour)

#### **COMPUTER PROGRAMMING**

□ CSCE 1030, Computer Science I (3 Hours)

#### **Major Requirements**

Grades of C or better

#### MECHANICAL ENGINEERING TECHNOLOGY

- ENGR 1030, Technological Systems (3 Hours)
- ENGR 1304, Engineering Graphics (3 Hours)
- ENGR 2301, Statics (3 Hours)
- ENGR 2302, Dynamics (3 Hours)
- □ ENGR 2332, Mechanics of Materials (3 Hours)
- EENG 2610, Circuit Analysis (3 Hours) &
   EENG 2611, Circuit Analysis Lab (1 Hour)
- ENGR 3450, Engineering Materials (4 Hours)
- MEET 3550, Geometrical Dimensions & Tolerancing (3 hours)
- MEET 3650, Design of Mechanical Components (3 Hours)
- MEET 3940, Fluid Mechanics Applications (3 Hours)
- MEET 3980, Digital Control of Industrial Processes (3 Hours)
- ☐ MEET 3990, Applied Thermodynamics (3 Hours)
- MEET 4050, Mechanical Design (3 Hours)
- ☐ MEET 4350, Heat Transfer Applications (3 Hours)
- MEET 4360, Experimental Thermal Sciences (3 Hours)
- MEET 4780, Senior Design I (1 Hour)
- MEET 4790, Senior Design II (3 Hours)
- MFET 3110, Machining Principles and Processes (3 Hours)
- ☐ MFET 4190, Quality Assurance (3 Hours)
- ☐ MFET 4200, Engineering Cost Analysis (3 Hours)
- ☐ MFET 4210, CAD/CAM System Operations (3 Hours)

#### **TECHNICAL COURSES**

- Advanced level (3\*\*\* or 4\*\*\* level) course chosen from appropriate elective options (3 Hours)
- Advanced level (3\*\*\* or 4\*\*\* level) course chosen from appropriate elective options (3 Hours)
- Any level course chosen from appropriate elective options (3 Hours)

Recommended elective options are below:

MFET 4220	LGAV 3100	CNET 3410
MEET 3750	LGAV 3110	MKTG 3651
MEET 4100	LGAV 3120	MGMT 3820
	LGAV 3130	MGMT 3850

Completion of MEET 3550, MFET 3110, MFET 4190, MFET 4200, and MFET 4210 at UNT also earns a Certificate in Manufacturing Engineering Technology upon graduation.

#### MISC. Elective

1 course (1 Hour) may be required to reach 122 total hours (check with advisor)

# Mechanical Engineering Technology – Calculus I

2025-2026 Catalog: Sample Four-Year Schedule

	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
	MATH	Calculus I	4	F., Sp.,	MATH	Calculus II	3	F., Sp.,
	1710	Pre-req: MATH 1650 or Test Placement	3	Su.	1720	Pre-reg: MATH 1710	3	Su.
	CHEM 1410	General Chemistry I  Pre-reg: MATH 1100 or higher	3	F., Sp., Su.	PHYS 1710	Mechanics Pre-reg: MATH 1710	3	F., Sp., Su.
o o	CHEM	General Chemistry I Lab	1	F., Sp.,	PHYS	Mechanics Lab	1	F., Sp.,
Year One	1430	Co/Pre-req: CHEM 1410	_	Su.	1730	Co/Pre-req: PHYS 1710	_	Su.
ar	ENGR	Technological Systems	3	F., Sp.	TECM	Technical Writing	3	F., Sp.,
Ye	1030	,		, ,	2700	Pre-req: Communication Core		Su.
	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp.	ENGR 1304	Engineering Graphics	3	F., Sp., Su.
	Total				University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Hours		14		Core Total			Su.
					Hours		16	
	I	I	I					
	PHYS 2220	Electricity and Magnetism Pre-req: PHYS 1710, 1730. Co-req: MATH 1720	3	F., Sp., Su.	ENGR 2302	Dynamics Pre-regs: ENGR 2301, MATH 1720	3	F., Sp., Su.
	PHYS	Electricity and Magnetism Lab	1	F., Sp.,	ENGR	Mechanics of Materials	3	F., Sp.,
	2240	Co-req/pre-req: PHYS 2220		Su.	2332	Pre-regs: ENGR 2301		Su.
	ENGR 2301	Statics Pre-regs: PHYS 1710, 1730	3	F., Sp., Su.	EENG 2610	Circuit Analysis Pre-reg: MATH 1720	3	F., Sp., Su.
9						Co/Pre-req: PHYS 2220/2240		
Year Two	CSCE 1030	Computer Science I  Pre-req: MATH 1100. CSCE 1010 & 1015 reqs	3	F., Sp., Su.	EENG 2611	Circuit Analysis Lab Co/Pre-req: EENG 2610	1	F., Sp., Su.
	University Core	(waived for MEET Majors).  Options at mydegreeaudit.unt.edu	3	F., Sp, Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total Hours		13		University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
					Total Hours		16	
	51100	re				Ta		
	ENGR 3450	Engineering Materials  Pre-reqs: ENGR 2332, CHEM 1410/1430 and PHYS 1710/1730	4	F., Sp.	MEET 3980	Digital Controls of Industrial Processes Pre-regs: EENG 2610/2611 and CSCE 1030	3	Sp.
	MEET	Fluid Mechanics Applications	3	F., Su.	MEET	Design of Mechanical Components	3	F., Sp.,
	3940	Pre-req: ENGR 2302, MATH 1720			3650	Pre-req: ENGR 2332		Su.
Three	MEET 3990	Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430	3	F., Su.	MFET 4190	Quality Assurance Pre-req: MATH 1720	3	Sp.
Year T	MFET 3110	Machining Principles and Processes Pre-req: MATH 1650	3	F., Sp.	MFET 4210	CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and	3	F., Sp.
		Co-req: ENGR 3450				MATH/PHYS/CHEM requirements		
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	MEET 3550	Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304	3	Sp.
	Total Hours		16		Total Hours		15	
	110013	<u> </u>	10	<u> </u>	110013	<u>I</u>	1 10	<u> </u>
	MEET 4050	Mechanical Design Pre-req: MEET 3650	3	F.	MEET 4790	Senior Design II Pre-reg: MEET 4780	3	Sp.
	MEET 4350	Heat Transfer Applications Pre-reg: MEET 3940, 3990	3	F.	MEET 4360	Experimental Thermal Sciences Pre-req: MEET 3940, 3990, 4350	3	Sp.
our	MEET 4780	Senior Design I Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350	1	F.	Advanced Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
Year Four	MFET 4200	Engineering Cost Analysis Pre-req: MATH 1720	3	F.	Technical Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies
<i>*</i>	Advanced Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	MISC Elective	MISC. Elective to reach 122 Hours or Component Area Core (If needed)	1	F., Sp., Su.
	Total Hours		16		Total Hours		16	

### Mechanical Engineering Technology – Pre-Calculus

2025-2026 Catalog: Sample Five-Year Schedule

	Fall	Course Title	Credit	Term(s)	Spring	Course Title	Credit	Term(s)
	Semester		Hours	Offered	Semester		Hours	Offered
Year One	MATH	Pre-Calculus	5	F., Sp.,	MATH	Calculus I	4	F., Sp.,
	1650	Pre-reg: MATH 1100, 1600 or Test Placement		Su.	1710	Pre-req: MATH 1650 or Test Placement		Su.
	CHEM	General Chemistry I	3	F., Sp.,	ENGR	Technological Systems	3	F., Sp.
	1410	Pre-reg: MATH 1100 or higher		Su.	1030	,		, ,
	CHEM	General Chemistry   Lab	1	F., Sp.,	TECM	Technical Writing	3	F., Sp.,
	1430	Co/Pre-reg: CHEM 1410		Su.	2700	Pre-req: Communication Core		Su.
	Comm.	Options on mydegreeaudit.unt.edu	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	Core	. , ,		Su.	Core	, ,		Su.
	Total				Total			
	Hours		12		Hours		13	
					_			
	MATH	Calculus II	3	F., Sp.,	PHYS	Electricity and Magnetism	3	F., Sp.,
	1720	Pre-req: MATH 1710		Su.	2220	Pre-req: PHYS 1710, 1730. Co-req: MATH 1720		Su.
	PHYS	Mechanics	3	F., Sp.,	PHYS	Electricity and Magnetism Lab	1	F., Sp.,
	1710	Pre-req: MATH 1710		Su.	2240	Co-req/pre-req: PHYS 2220		Su.
_	PHYS	Mechanics Lab	1	F., Sp.,	ENGR	Statics	3	F., Sp.,
8	1730	Co/Pre-req: PHYS 1710		Su.	2301	Pre-reqs: PHYS 1710, 1730		Su.
F	ENGR	Engineering Graphics	3	F., Sp.	CSCE	Computer Science I	3	F., Sp.,
Year Two	1304				1030	Pre-req: MATH 1100. CSCE 1010 & 1015		Su.
<b>&gt;</b>	11-1	Outhern and described the stands		F C:	11-1	reqs (waived for MEET Majors).	_	F C.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
				Su.				ou.
	Total		13		Total		13	
	Hours		13	1	Hours		13	
	ENGR	Dynamics	3	F., Sp.,	ENGR	Engineering Materials	4	F., Sp.
	2302	Pre-regs: ENGR 2301, MATH 1720	3	F., 3p., Su.	3450	Pre-reqs: ENGR 2332, CHEM 1410/1430,	4	r., sp.
	2302	Pre-regs: ENGR 2301, MATH 1720		Su.	3450	PHYS 1710/1730		
	ENGR	Mechanics of Materials	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
	2332	Pre-regs: ENGR 2301		Su.	Core	options on mydegreeddaltiantiedd		Su.
9	EENG	Circuit Analysis	3	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
غ غ	2610	Pre-reg: MATH 1720		Su.	Core	options on myacgi coadainanticaa		Su.
F	2020	Co/Pre-reg: PHYS 2220/2240			00.0			
Year Three	EENG	Circuit Analysis Lab	1	F., Sp.,	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,
>	2611	Co/Pre-reg: EENG 2610	_	Su.	Core			Su.
	University	Options on mydegreeaudit.unt.edu	3	F., Sp.,	Total			
	Core	, , ,		Su.	Hours		13	
	Total		İ			I		
	Hours		13					
	MEET	Fluid Mechanics Applications	3	F., Su.	MEET	Digital Controls of Industrial Processes	3	Sp.
	3940	Pre-req: ENGR 2302, MATH 1720			3980	Pre-reqs: EENG 2610/2611, CSCE 1030		
	MEET	Applied Thermodynamics	3	F., Su.	MEET	Design of Mechanical Components	3	F., Sp.,
_	3990	Pre-req: ENGR 2332, CHEM 1410/1430			3650	Pre-reg: ENGR 2332		Su
Year Four	MFET	Machining Principles and Processes	3	F., Sp.	MFET	CAD/CAM System Operation	3	F., Sp.
<u>.</u>	3110	Pre-req: MATH 1650			4210	Pre-req: MFET 3110, ENGR 1304, and		
ea		Co-req: ENGR 3450				MATH/PHYS/CHEM requirements		
>	Advanced	Options at mydegreeaudit.unt.edu	3	Varies	MEET	Geometric Dimens. and Tolerancing	3	Sp.
	Elective	Must complete pre-reqs			3550	Pre-reqs: MFET 3110, ENGR 1304		
	Total				Total			
	Hours		12		Hours		12	
							1	1
	MEET	Mechanical Design	3	F.	MEET	Senior Design II	3	Sp.
	4050	Pre-req: MEET 3650	1 1		4790	Pre-req: MEET 4780	1	
	MEET	Heat Transfer Applications	3	F.	MEET	Experimental Thermal Sciences	3	Sp.
	4350	Pre-req: MEET 3940, 3990	1 1		4360	Pre-req: MEET 3940, 3990, 4350		
بو	MEET	Senior Design I	1	F.	MFET	Quality Assurance	3	Sp.
≟	4780	Pre-regs: ENGR 3450 and MEET 3980			4190	Pre-req: MATH 1720		
-E		Co/Pre-req: MFET 4210, MEET 4050, 4350	1					
Year Five	MFET	Engineering Cost Analysis	3	F.	Total			
_	4200	Pre-req: MATH 1720	+_+		Hours		9	
	Advanced	Options at mydegreeaudit.unt.edu	3	Varies				
	Elective	Must complete pre-reqs	<del>                                     </del>					
	Total							
	Hours		13					

### Mechanical Engineering Technology - College Algebra

2025-2026 Catalog: Sample Five-Year Schedule

	T =	2025-2026 C				<u></u>	T	T =
	Fall Semester	Course Title	Credit Hours	Term(s) Offered	Spring Semester	Course Title	Credit Hours	Term(s) Offered
a	MATH 1100	College Algebra Pre-req: TSI Completion	3	F., Sp., Su.	MATH 1650	Pre-Calculus Pre-req: MATH 1100, 1600 or Test Placement	5	F., Sp., Su.
Year One	ENGR 1030	Technological Systems	3	F., Sp.	TECM 2700	Technical Writing Pre-req: Communication Core	3	F., Sp., Su.
Yea	Comm. Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total		42	Ju.	Total		1.1	Ju.
	Hours	<u> </u>	12		Hours	<u> </u>	14	
	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.
	CHEM	General Chemistry I	3	F., Sp.,	PHYS	Mechanics	3	F., Sp.,
0	1410 CHEM	Pre-req: MATH 1100 or higher General Chemistry I Lab	1	Su. F., Sp.,	1710 PHYS	Pre-req: MATH 1710  Mechanics Lab	1	Su. F., Sp.,
[	1430	Co/Pre-req: CHEM 1410	_	Su.	1730	Co/Pre-req: PHYS 1710	_	Su.
Year Two	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	ENGR 1304	Engineering Graphics	3	F., Sp.
	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
	Total			Su.	Total			Su.
	Hours		14		Hours		13	
	PHYS	Electricity and Magnetism	3	F., Sp.,	ENGR	Dynamics Succession MATHERS	3	F., Sp.,
	2220 PHYS	Pre-req: PHYS 1710, 1730. Co-req: MATH 1720  Electricity and Magnetism Lab	1	Su. F., Sp.,	2302 ENGR	Pre-reqs: ENGR 2301, MATH 1720  Mechanics of Materials	3	Su. F., Sp.,
	2240	Co-req/pre-req: PHYS 2220	_	Su.	2332	Pre-regs: ENGR 2301		Su.
a a	EENG 2610 &	Circuit Analysis & Lab Pre-reg: MATH 1720	4	F., Sp., Su.	MEET 3980	Digital Controls of Industrial Processes  Pre-reqs: EENG 2610/2611 and CSCE	3	Sp.
hre	2611	Co/Pre-reg: PHYS 2220/2240		Su.	3900	1030		
Year Three	ENGR 2301	Statics Pre-regs: PHYS 1710, 1730	3	F., Sp.	University Core	Options on mydegreeaudit.unt.edu	3	F., Sp., Su.
Ϋ́	CSCE 1030	Computer Science I  Pre-req: MATH 1100. CSCE 1010 & 1015 reqs (waived for MEET Majors).	3	F., Sp., Su.	Total Hours		12	
	Total Hours		14					
	ENGR 3450	Engineering Materials Pre-regs: ENGR 2332, CHEM 1410/1430 and PHYS 1710/1730	4	F., Sp.	MEET 3650	Design of Mechanical Components  Pre-req: ENGR 2332	3	F., Sp., Su.
_	MEET 3940	Fluid Mechanics Applications Pre-req: ENGR 2302, MATH 1720	3	F., Su.	MFET 4190	Quality Assurance Pre-reg: MATH 1720	3	Sp.
Year Four	MEET 3990	Applied Thermodynamics Pre-req: ENGR 2332, CHEM 1410/1430	3	F., Su.	MFET 4210	CAD/CAM System Operation Pre-req: MFET 3110, ENGR 1304, and MATH/PHYS/CHEM requirements	3	F., Sp.
Ye	MFET 3110	Machining Principles and Processes Pre-req: MATH 1650 Co-req: ENGR 3450	3	F., Sp.	MEET 3550	Geometric Dimens. and Tolerancing Pre-reqs: MFET 3110, ENGR 1304	3	Sp.
	Total Hours		13		Total Hours		12	
	MEET	Mechanical Design	3	F.	MEET	Senior Design II	3	Sp.
ø	4050 MEET	Pre-req: MEET 3650  Heat Transfer Applications	3	F.	4790 MEET	Pre-req: MEET 4780 Experimental Thermal Sciences	3	Sp.
	4350 MEET	Pre-req: MEET 3940, 3990 Senior Design I	1	F.	4360 Advanced	Pre-req: MEET 3940, 3990, 4350 Options at mydegreeaudit.unt.edu	3	Varies
Year Five	4780	Pre-reqs: ENGR 3450 and MEET 3980 Co/Pre-req: MFET 4210, MEET 4050, 4350			Elective	Must complete pre-reqs		
Yea	MFET 4200	Engineering Cost Analysis Pre-req: MATH 1720	3	F.	Total Hours		9	
	Advanced Elective	Options at mydegreeaudit.unt.edu Must complete pre-reqs	3	Varies				
	Total Hours		13					

#### Minor Information

#### **BIOMEDICAL ENGINEERING** (19 Hours) BMEN 2210, DAQ Practices (3 Hours) BMEN 2320, Biomedical Instrumentation I (3 Hours) BMEN 3350, Biomedical Transport Phenomena (3 Hours) 6 hours chosen from BMEN 3311, 3312, 3321 3 hours chosen from BMEN 4\*\*\* 1 hour chosen from BMEN \*\*\* (if needed to reach 19 hours) **CONSTRUCTION MANAGEMENT** (18 Hours) CNET 1160, Construction Methods & Materials (3 Hours) CNET 2180, Building Construction Techniques (3 Hours) 12 hours chosen from: CNET 4170 (3 Hours) CNET 2300 (3 Hours) CNET 3150 (3 Hours) CNET 4180 (3 Hours) CNET 3160 (3 Hours) CNET 4190 (3 Hours) CNET 3190 (3 Hours) CNET 4630 (3 Hours) **COMPUTER SCIENCE AND ENGINEERING** (18 Hours) CSCE 1030, Computer Science I (3 Hours), or CSCE 1035, Computer Programming I (3 Hours) CSCE 1040, Computer Science II (3 Hours), or CSCE 1045, Computer Programming II (3 Hours) CSCE 2100, Foundations of Computing (3 Hours) CSCE 2110, Foundations of Data Structures (3 Hours) 6 hours chosen from CSCE 3\*\*\*, 4\*\*\* **CYBERSECURITY** (18 Hours) CSCE 1035, Computer Programming I (3 Hours) CSCE 1045, Computer Programming II (3 Hours) CSCE 2110. Foundations of Data Structures (3 Hours) CSCE 3550, Foundations of Security (3 Hours) CSCE 3560, Computer Systems Security (3 Hours) CSCE 3600, Systems Programming (3 Hours) **ELECTRICAL ENGINEERING (18 Hours)** EENG 2610, Circuit Analysis, (3 Hours) & EENG 2611, Circuit Analysis Lab (1 Hour)

EENG 2620, Signals and Systems (3 Hours) & EENG 2621, Signals and Systems Lab (1 Hour) EENG 2710, Digital Logic Design (3 Hours) & EENG 2711, Digital Logic Design Lab (1 Hour)

EENG 4\*\*\*, EENG advanced level course (3 Hours)

EENG 3510, Electronics I (3 Hours)

1\*\*\*, 2\*\*\*, 3\*\*\*, and/or 4\*\*\* level

3\*\*\* and/or 4\*\*\* level

GENERAL ENGINEERING TECHNOLOGY (18 Hours)

□ 12 hours chosen from CNET, ENGR, MEET, MFET

6 hours chosen from CNET, ENGR, MEET, MFET

#### **MATERIALS SCIENCE AND ENGINEERING** (18 Hours)

- MTSE 3000, Fundamentals of Materials Sci. & Engr. I (3 Hours)
- ☐ 6 hours chosen from MTSE 3010, 3030, 3050, 3070
- 9 hours chosen from MTSE 3\*\*\*, 4\*\*\*

#### **MECHANICAL AND ENERGY ENGINEERING** (18 Hours)

- MEEN 2210, Thermodynamics I (3 Hours)
- ENGR 2302, Mechanics II (3 Hours)
- ENGR 2332, Mechanics III (3 Hours)
- 9 hours chosen from:

MEEN 3100 (3 Hours)

MEEN 3110 (3 Hours)

MEEN 3120 (3 Hours)

MEEN 3130 (3 Hours)

MEEN 3210 (3 Hours)

MEEN 3230 (3 Hours)

MEEN 3240 (2 Hours)

MEEN 3242 (1 Hour) MEEN 4110 (3 Hours)

MEEN 4110 (3 Hours)

MEEN 4140 (3 Hours)

You must inform your advisor if you plan to pursue a minor. Your advisor must update your degree audit and your UNT transcript to reflect your minor. Completion of all minor requirements will not automatically earn the minor when you graduate unless your advisor has updated your degree audit and your UNT transcript.

### Certificate Information

#### **ADDITIVE AND DIGITAL MANUFACTURING** (12 Hours) TECM 2700, Technical Writing (3 Hours) ENGR 2999Z or MTSE 2999Z or MEEN 2999Z (0 Hours) - includes 5,000 character report that address a product that can be additively or digitally manufactured. 9 hours chosen from: **BMEN 3312 (3 Hours) BMEN 4100 (3 Hours) BMEN 4312 (3 Hours)** DSCI 2710 (3 Hours) ENGR 1304 (3 Hours) ENGR 3450 (3 Hours) 3 hours chosen from: MEET 3550 (3 Hours) MEET 3550 (3 Hours) MEET 3750 (3 Hours) MEET 4100 (3 Hours) **OPSM 3830 (3 Hours) OPSM 4850 (3 Hours)** MTSE 3000 (3 Hours) 9 hours chosen from: MTSE 4040 (3 Hours)

#### **ARTIFICIAL INTELLIGENCE (12 Hours)**

MTSE 4060 (3 Hours)

CSCE 3201, Applied Artificial Intelligence (3 Hours)

MEEN 4800 (Topic: CAD/CAE, 3 Hours)

- CSCE 3214, Software Development for AT (3 Hours)
- 6 hours chosen from CSCE 4205, CSCE 4290, CSCE 4300

MTSE 4900 (Topic: Add. Manufacturina, 3 Hours)

#### **COMMUNICATIONS SYSTEMS (12 Hours)**

- EENG 3920, Modern Comm. System Design (3 hours)
- 9 hours chosen from:

EENG 4510 (3 Hours) **EENG 4810 (3 Hours)** EENG 4520 (3 Hours) EENG 4820 (3 Hours)

EENG 4610 (3 Hours)

#### **DIGITAL SYSTEMS** (12 Hours)

- EENG 3910, DSP System Design (3 hours)
- 9 hours chosen from:

EENG 4710 (3 Hours) EENG 4740 (3 Hours) EENG 4720 (3 Hours) EENG 4760 (3 Hours)

#### **ELECTROMECHANICAL SYSTEMS AND MECHATRONICS** (12 Hours)

12 hours chosen from:

EENG 2620 (3 Hours) ENGR 2302 (3 Hours) EENG 3510 (3 Hours) MEEN 3130 (3 Hours) EENG 3520 (3 Hours) MEEN 3230 (3 Hours) EENG 4310 (3 Hours) MEEN 4760 (3 Hours)

#### **GAME PROGRAMMING** (12 Hours)

- CSCE 4210, Game Programming I (3 Hours)
- CSCE 4220, Game Programming II (3 Hours)
- CSCE 4250, Topics in Game Development (3 Hours)
- CSCE 4255, Programming Math & Physics for Games (3 Hours)

#### **MANUFACTURING ENGINEERING TECHNOLOGY** (15 Hours)

- MFET 3110, Machining Principles and Processes (3 Hours)
- MFET 4190, Quality Assurance (3 Hours)
- MFET 4200, Engineering Cost Analysis (3 Hours)
- MFET 4210, CAD/CAM System Operations (3 Hours)

MEET 4100 (3 Hours) MEET 4750 (3 Hours) MFET 4220 (3 Hours

#### **RF AND CIRCUIT DESIGN** (12 Hours)

- EENG 3520, Electronics II (3 hours)

EENG 4580 (3 Hours) **EENG 4410 (3 Hours)** EENG 4710 (3 Hours) **EENG 4450 (3 Hours)** EENG 4530 (3 Hours)

**SECURITY** (18 Hours)

- CSCE 2610, Assembly Lang. and Comp. Organization (3 Hours)
- CSCE 3530, Intro. To Computer Networks (3 Hours)
- CSCE 3550, Foundations of Computer Security (3 Hours)
- CSCE 4350, Intro. To Database Systems Design (3 Hours)
- CSCE 4560, Secure Electronic Commerce (3 Hours)
- CSCE 4600, Operating Systems (3 Hours)

#### **SIGNAL PROCESSING AND CONTROL** (12 Hours)

- EENG 3910, DSP System Design (3 hours)
- 9 hours chosen from

EENG 4210 (3 Hours) EENG 4610 (3 Hours) EENG 4310 (3 Hours) EENG 4850 (3 Hours)

EENG 4320 (3 Hours)

You must inform your advisor if you plan to pursue a certificate. Your advisor must update your degree audit and your UNT transcript to reflect your certificate. Completion of all certificate requirements will not automatically earn the certificate when you graduate unless your advisor has updated your degree audit and your UNT transcript.

You must complete appropriate prerequisites for certificate courses. Minimum grades of "C" are required for most certificate courses. Transfer credits cannot be applied to certificate requirements. Please review catalog.unt.edu for all certificates offered at UNT.

### **University Core Options**

#### **COMMUNICATION (1 Course)**

ENGL 1310, First-Year Writing I ENGL 1311, Honors First-Year Writing I ENGL 1315, Writing about Literature I TECM 1700, Intro. To Technical Writing

AMERICAN HISTORY I (1 Course) HIST 2610, U.S. History to 1865

HIST 2675, Honors U.S. History to 1865

AMERICAN HISTORY II (1 Course)
HIST 2620, U.S. History from 1865
HIST 2685, Honors U.S. History from 1865

<u>FEDERAL GOVT/POLI. SCIENCE</u> (1 Course) PSCI 2305, U.S. Political Behavior

PSCI 2315, Honors U.S. Political Behavior

STATE GOVT/POLI. SCIENCE (1 Course)

PSCI 2306, U.S. and Texas PSCI 2316, Honors U.S. and Texas

**CREATIVE ARTS** (1 Course)

ANTH 2400, AnthroPop

ART 1300, Art Appreciation

ART 1301, Honors Art Appreciation

ART 2360, Art History Survey II

ART 2370, Art History Survey III

COMM 2060, Performance of Literature

DANC 1200, Appreciation of Dance

DANC 2800, Survey of Dance

MUCO 1200, Commercial Music

MUCO 3500, Cultures of Hip Hop

MUET 3060, African American Music

MUJS 3400, Understanding Jazz

MUMH 1610, Music as Communication

MUMH 2040, Music Appreciation

MUMH 2050, Sounds and Cinema

MUMH 2060, History of Rock

MUMH 3000, Nineteenth-Century Music

**CREATIVE ARTS Cont'd** (1 Course)

MUMH 3010, Twentieth Century Music MUMH 3100, Music, Gender, Sexuality

MUMH 3200, Music as Politics

MUMH 3520, Western Music History

PHIL 1900, Philosophy of Art

THEA 1340, Aesthetics of the Theatre

THEA 2340, Theater Appreciation

THEA 3030, World Theatre to 1700

#### LANGUAGE, PHILOSOPHY, & CULTURE

(1 Course)

AGER 2250, Aging in Film and Lit

ANTH 3101, American Culture and Society

ANTH 3110, Indigenous People of N. Am.

ANTH 3120, Indigenous Cultures of S.W.

ANTH 3130, African American Anthropology

ANTH 3140, Latinos in the U.S.

ANTH 3200, Latin American Cultures

ANTH 3210, Mesoamerica

ANTH 3220, Mayan Culture

ANTH 3300, Peoples of the Pacific

ANTH 3400, Peoples of Africa

ANTH 3500, Peoples of the Middle East

ANTH 3700, Peoples & Cultures of South Asia

ANTH 3710, Peoples & Cultures of East Asia

ART 2350, Art History Survey I

ENGL 2321, British Literature

ENGL 2326, American Literature

ENGL 2331, World Literature

ENGL 2341, Forms of Literature

ENGL 2351, Mexican American Literature

ENGL 3450, Short Story

FREN 4060, Studies in French Literature

GEOG 1000, National Parks

HDFS 2313, Courtship and Marriage HIST 1050, World History to 16<sup>th</sup> Century

HIST 1060, World History from 16th Century

LANGUAGE, PHILOSOPHY, & CULTURE Cont'd

(1 Course)

KINE 2050, Sociology of Sport

LING 2050, Language of Now

\*LING 3010, African American English

MUET 2000, Global Perspectives

MUET 3030, Music Cultures of the World

PHIL 1050, Introduction to Philosophy

PHIL 1400, Contemporary Moral Issues

PHIL 2050, Introduction to Logic

PHIL 2070, World Religions

PHIL 2600, Ethics in Science

\*THEA 3040, World Theatre from 1700

#### **SOCIAL AND BEHAVIORAL SCIENCES** (1 Course)

AGER 4560, Minority Aging

AGER 4800, Social Context of Aging

ANTH 1010, Intro. To Anthropology

ANTH 2300, Culture and Society

BEHV 2300, Behavior Principles I

CJUS 2100, Crime and Justice in the U.S.

COMM 2020, Interpersonal Comm.

EADP 1010, Exploring Disasters

EADP 4050, Special Pop. In Disasters

ECON 1100, Microeconomics

ECON 1110, Macroeconomics

FIPL 2770, Lessons in Money Education

GEOG 1200, Global Societies

GEOG 1500, Geospatial Technology

HDFS 1013, Human Development

HLTH 2200, Family Life and Human Sexuality

JOUR 1210, Mass Comm. And Society

LING 3060, Principles of Language

MDSE 2750, Consumers in Global Market

PADM 2100, Cultural Competency

PSYC 1630, General Psychology I

RESM 3450, Social Issues in RESM

RHAB 3100, Disability and Society SOCI 1510, Intro to Sociology

**SOCIAL AND BEHAVIORAL SCIENCES** 

AP Macroeconomics score of 3

AP Microeconomics score of 3

# AP, IB, CLEP, DC, Transfer – University Core Credits

#### COMMUNICATION

AP English Lang. And Comp. Score of 3 IB English A: Lang. and Lit. Score of 5 Community College: ENGL 1301 Community College: ENGL 1302

#### **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 Theater Arts

Community College: ARTS 1301 Community College: ARTS 1304 Community College: MUSI 1306 Community College: DRAM 1310

#### LANGUAGE, PHILOSOPHY, & CULTURE

AP English Literature and Comp. score of 3

AP World History score of 3

IB History score

IB Philosophy score
IB English Language A: Lit.

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 AP Psychology score of 3

IB Anthropology score

IB Economics score

IB Geography score
IB Psychology score

CLEP Macroeconomics

CLEP Microeconomics

CLEP Human Growth and Development

CLEP Introductory Psychology CLEP Introductory Sociology

Community College: ANTH 2346 Community College: ANTH 2351 Community College: SPCH 1318

Community College: ECON 2301 Community College: ECON 2302

Community College: GEOG 1303 Community College: TECA 1354 Community College: COMM 1307 Community College: PSYC 2301

Community College: PSYC 2302 Community College: SOCI 1301

58

### AP, IB, CLEP, DC, Transfer - Major Credits

#### TECHNICAL COMMUNICATIONS

Community College ENGL 2311: TECM 2700

#### WRITING/TECHNICAL COMMUNICATIONS

AP English Lang. And Comp. Score of 3: ENGL 1320 IB English A: Lang. and Lit. Score of 5: ENGL 1320 Community College ENGL 1302: ENGL 1320 Community College ENGL 2311: TECM 2700

#### BIOLOGY

AP Biology score of 3: BIOL 1112, 1122 AP Biology score of 4, 5: BIOL 1710, 1720, 1760 AP Environmental Science score of 3: BIOL 1132

IB Biology: BIOL 1710, 1720, 1760 CLEP Biology: BIOL 1710, 1720

CLEP BIOLOGY: BIOL 1710, 1720
Community College BIOL 1306: BIOL 1710
Community College BIOL 1307: BIOL 1720
Community College BIOL 1308/1108: BIOL 1\*\*\*
Community College BIOL 1309/1109: BIOL 1\*\*\*
Community College BIOL 1406: BIOL 1710, 1760
Community College BIOL 1407: BIOL 1720, 1760
Community College BIOL 1408: BIOL 1\*\*\*
Community College BIOL 1409: BIOL 1\*\*\*

Community College BIOL 2301/2101: BIOL 2301/2311 Community College BIOL 2302/2102: BIOL 2302/2312 Community College BIOL 2306/2106: BIOL 1132 Community College BIOL 2401: BIOL 2301/2311 Community College BIOL 2402: BIOL 2302/2312 Community College BIOL 2406: BIOL 1132

#### **CHEMISTRY**

AP Chemistry score of 3: CHEM 1360 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, 1420/1440 Community College CHEM 1305: CHEM 1\*\*\* Community College CHEM 1307: CHEM 1\*\*\*

Community College CHEM 1311/1111: CHEM 1410/1430 Community College CHEM 1312/1112: CHEM 1420/1440

Community College CHEM 1405: CHEM 1\*\*\*
Community College CHEM 1407: CHEM 1\*\*\*
Community College CHEM 1411: CHEM 1410/1430
Community College CHEM 1412: CHEM 1420/1440

#### **PHYSICS**

AP Physics 1 score of 3: PHYS 1210
AP Physics 1 score of 4: PHYS 1410/1430
AP Physics 2 score of 3: PHYS 1315

AP Physics 2 score of 4: PHYS 1420/1440

AP Physics C (Mechanics) score of 3: PHYS 1410/1430 AP Physics C (Mechanics) score of 4: PHYS 1710/1730

AP PHYS Physics C (Elect. & Mag.) score of 3: PHYS 1420/1440

AP PHYS Physics C (Elect. & Mag.) score of 4: PHYS 2220/2240

IB Physics: PHYS 1410/1430, 1420/1440

Community College PHYS 1301/1101: PHYS 1410/1430 Community College PHYS 1302/1102: PHYS 1420/1440 Community College PHYS 1401: PHYS 1410/1430

Community College PHYS 1402: PHYS 1420/1440 Community College PHYS 2325/2125: PHYS 1710/1730 Community College PHYS 2326/2126: PHYS 2220/2240

Community College PHYS 2425: PHYS 1710/1730 Community College PHYS 2426: PHYS 2220/2240

#### **GEOLOGY/GEOGRAPHY**

Community College GEOL 1401: GEOG 1710 Community College GEOL 1403: GEOL 1610

#### **COMPUTING/PROGRAMMING**

AP Computer Science A score of 3: CSCE 1010 AP Computer Science A score of 4: CSCE 1030

AP Computer Science Principles score of 3: CSCE 1010 IB Computer Science Computing Studies: CSCE 1030, 1040

CLEP Info Systems & Computer Applications: CSCE 1\*\*\*

Community College COSC 1301: CSCE 1010

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 2336 or 2436: CSCE 2110

Community College MATH 2305: Substitutes for CSCE 2100

#### **ENGINEERING**

Community College ENGR 1201: ENGR 1201

Substitutes for ENGR 1030, MEEN 1000, MTSE 1100

Community College ENGR 1204 or 1304: ENGR 1304

Community College ENGR 2105: EENG 2611

Community College ENGR 2106: EENG 2711

Community College ENGR 2107: ENGR 2415

Community College ENGR 2301: ENGR 2301 Community College ENGR 2302: ENGR 2302

Community College ENGR 2332: ENGR 2332

Community College ENGR 2305: EENG 2610

Community College ENGR 2306: EENG 2710

Community College ENGR 2307: ENGR 2405

Community College ENGR 2405: EENG 2610/2611

Community College ENGR 2406: EENG 2710/2711

#### **MATHEMATICS**

AP Statistics score of 3: MATH 1680

AP Precalculus score of 3: MATH 1650

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 Math Analysis: MATH 1580

IB Math Analysis and Approaches: MATH 1580

IB Mathematic Studies: MATH 1580
IB Mathematics – Calculus: MATH 1710
IB Mathematics Unspecified: MATH 1\*\*\*

CLEP College Mathematics: Elective

CLEP College Algebra: MATH 1100 CLEP Trigonometry: MATH 1600

CLEP Pre-calculus: MATH 1650

CLEP Calculus: MATH 1710

Community College MATH 1314 or 1414: MATH 1100

Community College MATH 1316: MATH 1600 Community College MATH 1324: MATH 1180

Community College MATH 1325 or 1425: MATH 1190

Community College MATH 1342 or 1442 or 2342 or 2442: MATH 1680

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 2315 or 2415: MATH 2730

Community College MATH 2318 or 2418: MATH 2700

Community College MATH 2320 or 2420: MATH 3410

Community College MV(11 2020 01 2420. WV(11 3410

Community College ENGR 2300: Substitutes for MATH 2700

#### **BUSINESS**

AP Microeconomics score of 3: ECON 1100

CLEP Microeconomics: ECON 1100 Community College: ECON 2302

Community College ACCT 2301 or 2401: ACCT 2010

Community College BUSI 2305: DSCI 2710

# **Resource Information**

Catalog (Bulletin)	Catalog.unt.edu
Computer Access Labs	Computerlabs.unt.edu
Counseling, Health, Testing Services:	Comporendos.orn.edo
Child and Family Resource Clinic Counseling and Human Development Center Counseling and Testing Service Health and Wellness Center Psychology Clinic Togetherall WELL Clinic	Coe.unt.edu/child-and-family-resource-clinic Coe.unt.edu/counseling-and-human-development Studentaffairs.unt.edu/counseling-and-testing-services Healthcenter.unt.edu Psychology.unt.edu/clinics-and-centers Account.v2.togetherall.com/register/student Untwell.unt.edu
Deadlines (Registration, Drop, Withdrawal, Payment, etc.)	Registrar.unt.edu/registration-guides-by-semester
Dean of Students (Resources, Withdraws, Complaints, etc.)	Deanofstudents.unt.edu
Email Account (EagleConnect)	It.unt.edu/eagleconnect
Engineering Student Organizations and Honor Societies	Engineering.unt.edu/students/organizations
Employment, Internships, and Job Skills:  Career Center InRoads Internships Texas Internships	Careercenter.unt.edu Inroads.org Txinternshipchallenge.com
Housing	Housing.unt.edu
Libraries	Library.unt.edu
Office of Disability Access	Disability.unt.edu
Registrar (Drops, Excessive Hours, Registration, Transcripts Verification of Enrollment)	Registrar.unt.edu
Registration Information	Registration.unt.edu
Scholarships & Financial Assistance Engineering Scholarships Financial Aid and Scholarships Office Financial Services (Student Accounting) Money Management Center	Engineering.unt.edu/students/scholarships Financialaid.unt.edu Sfs.unt.edu Moneymanagement.unt.edu
Student Activities and Organizations	Studentactivities.unt.edu Engineering.unt.edu/support/student-organizations
Student Government Association	Sga.unt.edu
Student Legal Services	Studentlegal.unt.edu
Texas Success Initiative (TSI)	Vpaa.unt.edu/aservices/tsi
Business Tutor Labs Chemistry Resource Center Chegg Code Academy Coursera Economics Help Center Educator Edx Khan Academy Learning Center LinkedIn Learning Math Lab Mathway Physics Instructional Center Quizlet Thinkwell Wolf Ram Alpha	Cob.unt.edu/students/tutor-labs Chemistry.unt.edu/undergraduate/instructional-resources Chegg.com Codeacademy.com Online.unt.edu/coursera Economics.unt.edu/help-center Educator.com Edx.org Khanacademy.org Learningcenter.unt.edu Linkedin.com/learning Math.unt.edu/mathlab Mathway.com Physics.unt.edu/undergraduate-studies/pic Quizlet.com Thinkwell.com Wolframalpha.com
Writing Lab	Writingcenter.unt.edu
Veteran Center and Services	unt.edu/veterans