In addition to UNT admissions requirements, you must also meet **one** of the following criteria:

- Top 25% of high school graduating class
  MATH SAT score of 590 or better & a total SAT score of 1140 or better
  MATH ACT score of 23 or better & a composite ACT score of 23 or better
- Top 50% of high school graduating class
  MATH SAT score of 620 or better & a total SAT score of 1170 or better
  MATH ACT score of 24 or better & a composite ACT score of 24 or better
- 51% or lower high school graduating class
  MATH SAT score of 650 or better & a total SAT score of 1250 or better
  MATH ACT score of 26 or better & a composite ACT of 26 or better
- No high school rank (GED or homeschooled) or international high school
  MATH SAT score of 620 or better & a total SAT score of 1170 or better
  MATH ACT score of 24 or better & a composite ACT score of 24 or better

Construction Engineering Technology or Mechanical Engineering Technology can earn MATH SAT score of 570 or better or MATH ACT score of 22 or better regardless of rank.

**Engineering Admissions – New Students - Transfer & 2nd Bachelor’s Degree Applicants**

In addition to UNT admissions requirements, you must also meet **all** of the following criteria:

- Minimum 2.0 GPA based on all transfer coursework
- Minimum 2.0 GPA based on all transfer mathematics, science, engineering, & computing coursework
- Eligibility to enter MATH 1710, Calculus 1, via prerequisite completion or testing (see next page)

**Pre-Engineering Major Program**

If you do not meet the above criteria, you will be in the Pre-Engineering Major program. You may be eligible for admissions into the engineering major you desire when you meet criteria below.

**Engineering Admissions – UNT Students - Pre-Major Engineering & Change of Major Applicants**

To be admitted from Pre-Engineering or another UNT major, you must meet **all** of the following criteria:

- Minimum 2.0 GPA based on all UNT coursework
- Minimum 2.5 GPA & minimum “C” grades in the courses below per your destination engineering major

**Biomedical Engineering:**
Communications Core, TECM 2700, MATH 1710, MATH 1720, BMEN 1300, BMEN 1400

**Electrical Engineering:**
Communications Core, TECM 2700, MATH 1710, MATH 1720, PHYS 1710, PHYS 1730, EENG 1910

**Materials Science & Engineering:**
Communications Core, TECM 2700, MATH 1710, MATH 1720, PHYS 1710, PHYS 1730, CHEM 1410, CHEM 1430, CHEM 1420, MTSE 1100

**Mechanical & Energy Engineering:**
Communications Core, TECM 2700, MATH 1710, MATH 1720, PHYS 1710, PHYS 1730, MEEN 1000

**Construction Engineering Technology:**
Communications Core, TECM 2700, MATH 1710, PHYS 1710, PHYS 1730, ENGR 1030, CNET 1160, CNET 2180

**Computer Engineering/Computer Science/Information Technology:**
Communications Core, TECM 2700, MATH 1710, CSCE 1030, CSCE 1040

**Mechanical Engineering Technology:**
Communications Core, TECM 2700, MATH 1710, PHYS 1710, PHYS 1730, ENGR 1304
Engineering Dismissal

You are required to conduct yourself in a professional manner at UNT while making successful progression toward graduation. Failure to do so will result in dismissal from the College of Engineering. Criteria for dismissal includes (but is not limited to):

- Violation of the Code of Student Conduct located at deanofstudents.unt.edu/conduct. This includes, (but is not limited to) dishonesty, cheating, disruptive behavior, theft, hazing, abuse, violence, etc.
- Failure to enroll in engineering required coursework and/or prerequisites each semester.
- Failure to earn a minimum grade of “C” by the 2nd attempt in engineering required coursework and/or prerequisites.
- Failure to reach or maintain GPA criteria for engineering required coursework and/or prerequisites.
- Failure to maintain academic good standing (2.0 UNT cumulative GPA).
- Being placed on academic suspension from UNT due to UNT semester and/or cumulative GPA.

Mathematics

All engineering degree plans require completion of MATH 1710, Calculus I, in the 1st semester to attempt graduation in a reasonable timeframe.

Enrollment in MATH 1710 is contingent on (1) completion of placement tests, or (2) completion of college level math prerequisite courses, or (3) college level math credit earned via AP, IB, or CLEP.

Prerequisite Course Sequence for Calculus 1:

MATH 1100, College Algebra, → MATH 1650, Pre-Calculus, → MATH 1710, Calculus I

AP, IB, CLEP, DC, Transfer Credits:

- AP Calculus AB score of 3 or higher: MATH 1710
- AP Calculus BC score of 3 or higher: MATH 1710,1720
- AP Calculus AB Subscore of BC score 3 or higher: MATH 1710
- IB Mathematics - Calculus: MATH 1710
- CLEP College Algebra: MATH 1100
- CLEP Pre-calculus: MATH 1650
- CLEP Calculus: MATH 1710
- Community College MATH 1314 or 1414 : MATH 1100
- Community College MATH 2312 or 2412: MATH 1650
- Community College MATH 2313 or 2413 or 2513: MATH 1710

Pre-Placement for First Time in College/Freshmen:

If you have not earned credit for math courses via AP, IB, CLEP, dual credit or transfer credit, you must begin math courses based on your Math Group Level assigned by the Math Department:

- Math Level 1 or No Math Level: MATH 1100
- Math Level 2: MATH 1650
- MATH Level 3: MATH 1710

Placement Testing Options:

If you feel that you are capable of beginning your math courses at a higher level than your Math Group Level or qualification based on earned math credit, you can seek approval via 3 testing options:

- Pearson MyMathTest – free online test. Must score a minimum of 70 to enter MATH 1710. Must score a minimum 10 to enter MATH 1650.
- ALEKS – online test which requires a small fee & completion of a 6 week long tutorial. Must score a minimum of 70 to enter MATH 1710. Must score a minimum of 50 to enter MATH 1650.
- Accuplacer – free on campus test available Mondays through Fridays from 8:30 A.M. to 3:00 P.M. in the General Academic Building (GAB) 443. Must score a minimum of 101 to enter MATH 1710. Must score a minimum of 86 to enter MATH 1650.

Please refer to Mathematics Department at (940) 565-2155 or math.unt.edu for more testing information.
Courses

All UNT courses are documented using a four letter subject abbreviation & four digit number.

**Abbreviations:** ENGL for English  
HIST for History  
**Numbers:** Freshman 1000  Junior 3000  
Sophomore 2000  Senior 4000

**Different types of courses at UNT:**
Prerequisite or “Prereq”: course that must be completed to move onto another course in a sequence.  
Corequisite or “Coreq”: course that must be taken in the same semester as another course.  
Recitation or “Rec”: extra, required meeting time to cover homework, take tests, answer questions, etc.  
Laboratory or “Lab”: required time that’s an application of the information that you learn in class.  
Advanced course: junior or senior level course.  
Internet course or “INET”: course in which the majority of instruction, assignments, & work is online.  
Blended course: course in which a portion of the instruction, assignments, & work is online.  
Restricted: course or section time that is limited to certain students such as Honors, Out of State, Majors.  
Frisco: course taught at the Frisco Campus in Frisco, Texas.  
CHEC: course taught at the Collin Higher Education Center in McKinney, Texas.

**Different semester offerings of courses at UNT:**
- Fall: August to December  
- 8 Week: May to July  
- 10 week: June to August  
- Spring: January to May  
- 5 week 1: June to July  
- 3 Week: May  
- 5 week 2: July to August  
- UNT does not offer a winter semester

Credit Hours

Number of units assigned to each course. Referred to as “credits”, “hours” or “credit hours”. Tells you approximately how many hours per week you’ll be in class & approximately how many hours per week you’ll 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 to 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 semesters & 18 hours in the summer. This applies to credits enrolled at UNT & another institution (concurrent enrollment). You can receive overload approval to take more hours if you have met the following criteria:
- At least a 3.0 GPA on a minimum 15 hour UNT residence load for the semester just completed.  
- At least a 3.0 GPA on a minimum 12 hour UNT residence load for the summer terms just completed.  
- At least a 3.0 GPA on all work completed at UNT & a minimum 24 hours of credit in residence.

**Do I have to be a full-time student?**
No, not unless you are an international student, an athlete, a scholarship receipt or receiving maximum financial aid. To attempt a timely graduation date, you should plan to take 15-16 hours unless you work. Your number of work hours will impact the number of credit hours you should attempt each semester/term. Please consult with your advisor to determine the proper balance of work 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 & 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 & courses are worth a certain amount of credit hours. GPA is calculated by dividing the number of grade points earned by the number of attempted hours. Attempted credit hours are used in calculating GPA. Credit hours earned by AP, CLEP, or IB & courses dropped “W” don’t count as attempted hours & don’t average into your GPA. Grades of “F” are attempted hours & 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
- Total 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 just enrolled.
- **UNT GPA:** the cumulative GPA you earn in all UNT courses. A minimum 2.0 GPA is required.
- **Overall GPA:** GPA you earn in all courses (UNT & transfer). A minimum 2.0 GPA is required.
- **Foundations GPA:** GPA you earn in foundations courses. A minimum 2.5 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](advising.unt.edu/about-your-gpa/calculate-your-gpa).

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Grade Point Average (GPA): Academic Status

Your cumulative UNT grades are used to calculate academic status. Grades earned in transfer are considered in calculation of Graduation with Honors & 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 freshmen & 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 & 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 to re-enter the College of Engineering after completing the 1st or 2nd suspension period. You might be approved to return. 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 & 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 2nd bachelor’s degree are not eligible for semester honors.

President’s List: 4.000 Dean’s List: 3.500 – 3.999

Graduation with Honors:
Graduation with honors is based on your overall (UNT & transfer) GPA & is documented on your UNT transcript. Candidates for a 2nd bachelor’s degree are not eligible for graduation honors.


Retaking Courses: Course Duplications
If your transcript(s) contains the same course with an earned grade more than once, the 1st grade will be treated as a duplication & 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, your academic status & excessive hours.

Engineering major required courses must be completed with a grade of C or better by the 2nd attempt. Only the last grade will be used in fulfilling prerequisite, corequisite & graduation eligibility. Contact your advisor to confirm how you will be affected if you take a course more than once.

Dropping or Withdrawing

Dropping:
Dropping refers to removing yourself from one or more courses for the semester (but you remain in at least one course for the semester). You can drop yourself via MyUNT before or shortly after the semester begins. The MyUNT drop functionality usually expires on the 1st day of summer semester & approximately 12 days into the fall/spring semesters. After the MyUNT drop functionality expires, you may drop via the procedures & deadlines listed at unt.edu/registration. Please note that if you are enrolled in only 1 course for a summer session & you need to remove that 1 course, it is considered a withdraw & not a drop. Please see withdraw information below. Only 6 drops are allowed during your academic career unless you began college before the fall semester of 2007. Once the 6 drop limit is reached, no additional drops are approved.

Withdrawing:
Withdrawing refers to dropping all courses for the semester. You are not allowed to withdraw via MyUNT. You may withdraw via the procedures & deadlines listed at unt.edu/registration

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

Pass/No Pass Grading Option
You may elect to take courses which are not needed for your degree plan or graduation under the Pass/No Pass Grading Option. Certain criteria must be met & you must obtain approval from your advisor after you have enrolled in the course. A “grade” of “P” or “NP” will be recorded on your transcript. This “grade” is not calculated into 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 of the criteria:
• The course you plan to take has been preapproved by your advisor.
• You do not violate the maximum semester/term credit hour limit or residency requirements at UNT.
• You are not attempting to graduate the same semester/term in which you are concurrently enrolled.
• You submit the official transcript for the course to the Registrar’s Office within 1 month of completion.

Please note that your department reserves the right to reject online courses and/or courses at certain institutions.
Incompletes

An “I” or “Incomplete” grade is a pending grade on your record which does not affect your GPA. An “I” may be granted by the professor if you meet all of the following conditions:

• The final drop & withdraw deadlines for the semester/term have passed.
• You experience an emergency situation that prohibits you from completing remaining work.
• You have been earning a passing grade to the point of the emergency situation.
• You can complete & submit outstanding work within 12 months after the grade of “I” is granted.

Professors are not required to grant an “I” even if you meet the conditions as each professor may use discretion. An automatic grade of “F” will be posted on your transcript if you did not complete the “I”.

Registration

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

Full Courses:

If a course you need to take is full, add yourself to the waitlist. Seats are allotted in position order as fully enrolled students vacate the course. The waitlist will not guarantee a seat in the course. You can waitlist for a maximum of 3 courses per semester/term. The waitlist option ends once add/drop closes for the semester/term.

Error Messages:

Contact the department that teaches the course if you receive an error message to seek an override into the course. Common error messages include prerequisite errors, corequisite errors & restricted section errors. Below are department contacts for some common courses:

- ACCT  Accounting Department: BLB 213 or (940) 565-3080
- BIOL  Biological Sciences Department: BIOL 210 or (940) 565-3591
- BMEN  Biomedical Engineering Department: DP B-131 or (940) 565-3338
- CHEM  Chemistry Department: CHEM 101 or (940) 565-3525
- CNET  Engineering Technology Department: DP F-115 or (940) 565-2022
- CSCE  Computer Science & Engineering Department: DP F-201 or (940) 565-2767
- EENG  Electrical Engineering Department: DP B-270 or (940) 891-6872
- ELET  Engineering Technology Department: DP F-115 or (940) 565-2022
- ENGR  Engineering Technology Department: DP F-115 or (940) 565-2022
- MATH  Mathematics Department: GAB 435 or (940) 565-2155
- MEEN  Mechanical & Energy Engineering Department: DP F-101 or (940) 565-2400
- MEET  Engineering Technology Department: DP F-115 or (940) 565-2022
- MFET  Engineering Technology Department: DP F-115 or (940) 565-2022
- MTSE  Materials Science & Engineering Department: DP E-132 or (940) 565-3260
- PHYS  Physics Department: PHYS 110 or (940) 565-2626
- TECM  Technical Communications Department: AUDB 317 or (940) 565-4458

Payment

You must arrange payment prior to the payment deadline listed in MyUNT or www.unt.edu/registration. Failure to pay by the deadline listed will result in the cancellation of your entire schedule of classes.

You must elect the Traditional or Eagle Express tuition plan before your 1st semester/term payment deadline. Information on both plans can be found at studentaccounting.unt.edu.

You have numerous options available to pay. Refer to unt.edu/paying-for-college.htm for information.

If you have been awarded financial aid, please be aware that you must maintain Satisfactory Academic Progress (SAP) & Pace of Progression (POP) in order for your aid to continue. Refer to financialaid.unt.edu/satisfactory-academic-progress-requirements for information.
Tuition Increases

**Repeated Course Tuition Increase:**
If you are a resident & you attempt courses for a 3rd time, you are subject to pay an additional tuition rate per semester credit hour for the repeated course. Refer information at studentaccounting.unt.edu.

**Excessive Hours Regarding Tuition:**
Texas code specifies that a resident may be subject to a higher tuition rate for attempting excessive hours at any public institution. You cannot exceed more than 30 credit hours (or 45 credit hours if you started school prior to fall 2006) of the number of hours required for the completion of your degree plan. Any additional hours are considered excessive & will result in additional tuition charges. Refer to information at studentaccounting.unt.edu.

**Maximum Hours Regarding Financial Aid:**
If you receive financial aid & maintain Satisfactory Academic Progress (SAP) & 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.

Degree Audit (Plan)

The degree audit is an official document that lists all the requirements you need to complete to earn your degree. It tracks the application of completed requirements each semester/term. A degree audit must be created for you in order to progress toward graduation. Please contact the Engineering Advising Office for any questions or concerns.

Graduation

You must make an appointment with the Engineering Advising Office the semester/term before you plan to graduate to confirm that you are on track. Graduation can usually be achieved 4 years after you are enrolled in Calculus I (MATH 1710), enrolled in the entry level engineering course(s) for your major, follow the correct requisite sequencing, follow the correct semester scheduling path, earn passing grades each semester/term, & complete approximately 30 degree accountable credits per year. Please note that graduation often occurs within 5-6 years for most students.

You must apply for graduation at the beginning of your final semester via your Student Center in MyUNT. Refer to registrar.unt.edu for more information & the application deadline. Failure to apply by the deadline will result in your failure to graduate or earn your degree even if you complete of your degree audit requirements. You cannot enroll in another institution during your final semester/term or else your graduation will be delayed.

Commencement

Commencement is the name of the graduation ceremony. Commencement is offered In December for students you earn their degree in fall or May for students who earn their degree in spring. Students who earn their degree in summer can choose to attend the December or May Commencement. In order to attend commencement, you must have applied for & been approved for graduation at the beginning of your final semester. Refer to unt.edu/commencement for more information.

North Texas Discovery Park (NTDP)

North Texas Discovery Park (NTDP) is a 2nd campus located 4 miles north of the main campus. It is the location of all College of Engineering offices, classes, & labs. NTDP also offers a cafeteria, library, computer access labs, specialty engineering labs, engineering student organizations, an advising office, tutoring services, & a career services office.

Information on free bus transportation routes/times & available student parking passes/locations can be found at unt.edu/transit.
### Pre-Engineering Advisors:
Located on main campus (TBD), these advisors help pre-engineering majors with full-major admissions & academic planning. You can schedule an appointment in person or via 940-565-4201. Allow 3 weeks for an available appointment & note that you will lose your appointment if you arrive late. Contact information is located at [engineering.unt.edu/advising/advisors](http://engineering.unt.edu/advising/advisors). Below are the available advisors:

**All Pre-Engineering Majors:**
- David Bekker
- Vacant

### Engineering Advisors:
Located in NTDP A-101, these advisors help full-majors with academic planning. You can schedule an appointment in person or via 940-565-4201. Allow 3 weeks for an available appointment & note that you will lose your appointment if you arrive late. Contact information is located at [engineering.unt.edu/advising/advisors](http://engineering.unt.edu/advising/advisors). Below are the available advisors:

<table>
<thead>
<tr>
<th>Biomedical Engineering</th>
<th>Computer Engineering</th>
<th>Computer Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBD by Track Selection</td>
<td>Abdul Elkharoubi</td>
<td>Heather Burrow</td>
</tr>
<tr>
<td></td>
<td>Errica Smith</td>
<td>Beverly Wilks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical Engineering</th>
<th>Information Technology</th>
<th>Materials Science &amp; Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abdul Elkharoubi</td>
<td>Heather Burrow</td>
<td>Nancy Van Hoy</td>
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<tr>
<td>Errica Smith</td>
<td>Beverly Wilks</td>
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<table>
<thead>
<tr>
<th>Mechanical &amp; Energy Engineering</th>
<th>Construction Engineering Technology</th>
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</thead>
<tbody>
<tr>
<td>Mia Dallas</td>
<td>Mia Dallas</td>
</tr>
<tr>
<td>Adrian Stephens</td>
<td>Adrian Stephens</td>
</tr>
<tr>
<td>Rachel Smith</td>
<td>Rachel Smith</td>
</tr>
</tbody>
</table>

### Engineering Faculty Advisors:
Located in NTDP Departments, these professors assist with advising. They can help you with choosing the proper elective, specialization, track, or supporting area courses to prepare you to enter industry after graduation. Below are the available faculty advisors:

<table>
<thead>
<tr>
<th>Biomedical Engineering</th>
<th>Computer Engineering</th>
<th>Computer Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Vijay Vaidyanathan</td>
<td>Dr. Robin Pottathuparambil</td>
<td>Dr. Mark Thompson</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical Engineering</th>
<th>Information Technology</th>
<th>Materials Science &amp; Engineering</th>
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</thead>
<tbody>
<tr>
<td>Dr. Colleen Bailey</td>
<td>Dr. Ryan Garlick</td>
<td>Dr. Marcus Young</td>
</tr>
<tr>
<td></td>
<td>Mr. David Keathly</td>
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<thead>
<tr>
<th>Mechanical &amp; Energy Engineering</th>
<th>Construction Engineering Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Cherish Qualls</td>
<td>Al Attah</td>
</tr>
<tr>
<td>Dr. Xiaohua Li</td>
<td>Dr. Cheng Yu</td>
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<table>
<thead>
<tr>
<th>Mechanical Engineering Technology</th>
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</thead>
<tbody>
<tr>
<td>Dr. Leticia Anaya</td>
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</table>

### Career Advisors:
Located in NTDP C-111 & Chestnut Hall 103, these advisors help you with career planning, major selection, resume writing, interviewing skills, internship & full-time employment securement. You can schedule an appointment in person or via 940-565-2105.
Degree requirements may change. You may need elective courses to help reach a minimum of 120 Total Hours & 42 Advanced Hours. Check with an advisor.

This is an unofficial simplified checklist effective Fall 2018. Degree requirements may change. You may need elective courses to help reach a minimum of 120 Total Hours & 42 Advanced Hours. Check with an advisor.
## COMPUTER SCIENCE
### Sample Four-Year Schedule

**Required prerequisite(s) indicated in parentheses & notes**

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

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FALL</strong></td>
<td><strong>MATH 1720, Calculus II (MATH 1710)</strong></td>
</tr>
<tr>
<td>MATH 1710, Calculus I (see note 1)</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1410 or 1415, Chemistry (see note 2)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1430 or 1435, Chemistry Lab (see note 2)</td>
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<tr>
<td>CSCE 1030, Computer Science I (see note 3)</td>
<td>4</td>
</tr>
<tr>
<td>Communication Core course</td>
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</tr>
<tr>
<td><strong>Total Hours</strong></td>
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</tr>
<tr>
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<th><strong>SOPHOMORE YEAR</strong></th>
<th><strong>SPRING</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>FALL</strong></td>
<td><strong>MATH 1780, Probability Models (MATH 1710)</strong></td>
</tr>
<tr>
<td>MATH 2700, Linear Algebra (MATH 1720)</td>
<td>3</td>
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<tr>
<td>PHYS 1710, Mechanics (MATH 1710)</td>
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<tr>
<td>PHYS 1730, Mechanics Lab (MATH 1710)</td>
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</tr>
<tr>
<td>CSCE 2100, Foundation of Computing (CSCE 1040)</td>
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</tr>
<tr>
<td>EENG 2710, Digital Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>University Core course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>Total Hours</strong></td>
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<tr>
<td>16</td>
<td>16</td>
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</table>

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<thead>
<tr>
<th><strong>JUNIOR YEAR</strong></th>
<th><strong>SPRING</strong></th>
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<tbody>
<tr>
<td><strong>FALL</strong></td>
<td><strong>CSCE 4010, Social Issues (CSCE 3600)</strong></td>
</tr>
<tr>
<td>CSCE 3110, Data Structures (CSCE 2100, 2110)</td>
<td>3</td>
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<tr>
<td>CSCE 3600, Systems Programming (CSCE 2100)</td>
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<td>CSCE Elective course (see note 5)</td>
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<td>TECM 4*** course (TECM 2700)</td>
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<td><strong>CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 6)</strong></td>
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<tr>
<td>CSCE 4444, Software Engineering (see note 7)</td>
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<tr>
<td>CSCE Elective course (see note 5)</td>
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<td>CSCE Elective course (see note 5)</td>
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### Notes:

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

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

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

Note 4: CHEM 1410 & 1430 requires MATH 1100, College Algebra (or higher) as prerequisite. CHEM 1415 & 1435 requires MATH 1650, Pre-Calculus (or higher) as prerequisite.

Note 5: Most courses are offered fall only or spring only. Must complete appropriate prerequisite(s) for each course. Graduate Track option available.

Note 6: CSCE 4901 requires TECM 2700 and CSCE 4444 as prerequisite as well as CSCE 4110 as corequisite or prerequisite. CSCE 4999 requires professor consent as prerequisite.

Note 7: Current prerequisite for CSCE 4444 is CSCE 2100 & CSCE 2110. This may soon change to CSCE 3110.

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

---

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

Required prerequisite(s) indicated in parentheses & notes

## YEAR ONE

<table>
<thead>
<tr>
<th>FALL</th>
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<tbody>
<tr>
<td>MATH 1780, Probability (MATH 1710)</td>
<td>MATH 2700, Linear Algebra (MATH 1720) 3</td>
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<tr>
<td>CSCE 1030, Computer Science I (see note 3)</td>
<td>CSCE 1040, Comp. Science II (CSCE 1030, MATH 1710) 3</td>
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<td>CHEM 1410 or 1415, Chemistry (see note 2)</td>
<td>CHEM 1430 or 1435, Chemistry Lab (see note 2)</td>
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<td>CSCE Core Elective (see note 4)</td>
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<td>TECM 2700</td>
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### SUMMER

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<tr>
<td>CSCE 2110, Foundation of Data Structures (CSCE 1040)</td>
<td>CSCE 3110 (CSCE 2110) 3</td>
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<td>CSCE 2610, Assembly &amp; Org.(co CSCE 2100, EENG 2710)</td>
<td>CSCE 4010 (CSCE 3600) 3</td>
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<tr>
<td>CSCE 3600 (CSCE 2100)</td>
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## YEAR TWO

### FALL

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<td>CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 5) 3</td>
</tr>
<tr>
<td>CSCE 4444, Software Engineering (CSCE 3110)</td>
<td>CSCE Breadth Elective (see note 4) 3</td>
</tr>
<tr>
<td>CSCE Core Elective (see note 4)</td>
<td>CSCE Adv Elective (see note 4) 3</td>
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<tr>
<td>CSCE Breadth Elective (see note 4)</td>
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## YEAR THREE

### FALL

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<tr>
<td>CSCE 4110, Analysis of Algorithms (CSCE 3110)</td>
<td>CSCE 4901, Capstone, or CSCE 4999, Thesis (see note 5) 3</td>
</tr>
<tr>
<td>CSCE 4444, Software Engineering (CSCE 3110)</td>
<td>CSCE Breadth Elective (see note 4) 3</td>
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<tr>
<td>CSCE Core Elective (see note 4)</td>
<td>CSCE Adv Elective (see note 4) 3</td>
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<tr>
<td>CSCE Breadth Elective (see note 4)</td>
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<td>Total Hours</td>
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### Notes:

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

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Communications Core</th>
<th>Creative Arts Core</th>
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<tbody>
<tr>
<td>HIST 2610</td>
<td>Language Philosophy Culture Core</td>
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<td>HIST 2620</td>
<td>Social Behavioral Sciences Core</td>
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<td>PSCI 2305</td>
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<td>PSCI 2306</td>
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### Credits Which Should Be Earned Prior to Enrollment at UNT – AP, IB, CLEP, DC, Transfer:

<table>
<thead>
<tr>
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<tr>
<td>PHYS 1710/1730</td>
</tr>
<tr>
<td>PHYS 2220/2240</td>
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</tbody>
</table>

This is an unofficial sample schedule. Requirements, prerequisites, etc. may change. Students should meet with an advisor each semester for individual scheduling, program decisions, etc. Engineering admissions requirements must be met & a degree audit must be created in order to progress in the program to a timely graduation.
BIOMEDICAL ENGINEERING MINOR (18 Hours)
BMEN 2210, DAQ Practices (3 Hours)
BMEN 2320, Biomedical Instrumentation I (3 Hours)
BMEN 3350, Biomedical Transport Phenomena (3 Hours)
6 advanced hours (2 courses) chosen from:
BMEN 3311, Biomedical Signal Analysis (3 Hours)
BMEN 3312, Intro. to Biomechanics (3 Hours)
BMEN 3321, Biomaterials (3 Hours)
Plus 3 advanced hours (1 course) chosen from BMEN 4***.

COMPUTER SCIENCE & ENGINEERING MINOR (19 Hours)
CSCE 1030, Computer Science I (4 Hours)
CSCE 1040, Computer Science II (3 Hours)
CSCE 2100, Computing Foundations I (3 Hours)
CSCE 2110, Computing Foundations II (3 Hours)
CSCE 3*** or 4***, CSCE advanced level course (3 Hours)
CSCE 3*** or 4***, CSCE advanced level course (3 Hours)

ELECTRICAL ENGINEERING MINOR (18 Hours)
EENG 2610, Circuit Analysis (3 Hours)
EENG 2611, Circuit Analysis Lab (1 Hour)
EENG 2620, Signals & Systems (3 Hours)
EENG 2621, Signals & Systems Lab (1 Hour)
EENG 2710, Digital Logic Design (3 Hours)
EENG 2711, Digital Logic Design Lab (1 Hour)
EENG 3510, Electronics I (3 Hours)
EENG 4***, EENG advanced level course (3 Hours)

GENERAL ENGINEERING TECHNOLOGY MINOR (18 Hours)
6 courses (12 Hours) including 2 advanced level courses (6 Hours) chosen from the Department of Engineering Technology. Courses from this department are coded as CNET, ELET, ENGR, MEET, or MFET.

MATERIALS SCIENCE & ENGINEERING MINOR (18 Hours)
ENGR 3450, Engineering Materials (3 Hours)
or
MTSE 3000, Fundamentals of Materials Science & Engr. I (3 Hours)
6 advanced hours (2 courses) chosen from:
MTSE 3010, Bonding & Structure (3 Hours)
MTSE 3030, Thermodynamics & Phase Diagrams (3 Hours)
MTSE 3050, Mechanical Properties of Materials
MTSE 3070, Electrical, Optic, & Magnetic Properties (3 Hours)
Plus 9 advanced hours (3 courses) chosen from options above or from any MTSE 3***, MTSE 4*** level courses. Options are located in the UNT catalog at catalog.unt.edu. MTSE 3001 is strongly recommended.

MECHANICAL AND ENERGETIC ENGINEERING MINOR (18 Hours)
MEEN 2210, Thermodynamics I (3 Hours)
MEEN 2302, Mechanics II, (3 Hours)
MEEN 2332, Mechanics III (3 Hours)
9 advanced hours chosen from:
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, Systems Dynamics & Controls (3 Hours)
MEEN 3240, MEE Lab I (2 Hours)
MEEN 3242, MEE Lab II (1 Hour)
MEEN 4110, Alternative Energy (3 Hours)
MEEN 4140, Finite Element Analysis (3 Hours)
MEEN 4160, Mechanical Vibrations (3 Hours)

ENERGY ASSESSMENT OF BUILDINGS CERTIFICATE (15 Hours)
MEEN 3220, Thermal Fluid Science for Buildings (3 Hours)
MEEN 4320, Mechanical Systems of Buildings (3 Hours)
MEEN 4335, Comp. Sim. of Building Energy Systems (3 Hours)
MEEN 4340, Energy Efficiencies & Green Building Design for Commercial Buildings (3 Hours)
MEEN 4350, Energy Efficiencies & Green Building Design for Residential Buildings (3 Hours)

GAME PROGRAMMING CERTIFICATE (12 Hours)
CSCE 4210, Game Programming I (3 Hours)
CSCE 4215, Programming Math & Physics for Games (3 Hours)
CSCE 4220, Game Programming II (3 Hours)
CSCE 4250, Topics in Game Development (3 Hours)

MANUFACTURING ENGINEERING TECHNOLOGY CERTIFICATE (15 Hours)
MFET 3110, Machining Principles and Processes (4 Hours)
MFET 4190, Quality Assurance (3 Hours)
MFET 4200, Engineering Cost Analysis (2 Hours)
MFET 4210, CAD/CAM System Operations (3 Hours)
MFET 4220, CNC Programming and Operation (3 Hours)

NUCLEAR POWER TECHNOLOGY CERTIFICATE (12 Hours)
Completion of 12 Hours (4 courses) of NUET courses at UNT will earn this certificate from the Nuclear Power Institute at Texas A & M University.
NUET 3910, Principles of Nuclear Technology (3 Hours)
NUET 3930, Radiation Biology & Safety (3 Hours)
NUET 4950, Nuclear Plant Systems (3 Hours)
NUET 4900, Special Topic: Human Performance (3 Hours)

SECURITY CERTIFICATE (18 Hours)
CSCE 2610, Assembly Lang. & Comp. Organization (3 Hours)
CSCE 3530, Intro. to Computer Networks (3 Hours)
CSCE 4350, Intro.to Database Systems Design (3 Hours)
CSCE 4550, Intro. to Computer Security (3 Hours)
CSCE 4560, Secure Electronic Commerce (3 Hours)
CSCE 4600, Operating Systems (3 Hours)

Must complete appropriate prerequisites for minor or certificate courses.

Grades of “C” required for most minor or certificate courses.

Completion of a minor and/or a certificate is not required in order to graduate with a bachelor’s degree from the College of Engineering at UNT.

Information on more minor and/or certificate options & requirements can be found in the UNT catalog located at catalog.unt.edu.
Grad Track/License Information

GRAD TRACK PROGRAM
The Grad Track Program allows UNT College of Engineering undergraduate students to accelerate the time required to earn a Master of Science degree. Students are allowed to count 9 hours of graduate credit toward both their bachelor’s and master’s degrees, saving both time and money. Grad Track students save as much as one semester of graduate tuition, totaling $5,000 or more.

Eligibility:
Students should apply for the Grad Track Program when they have earned at least 75 hours toward the bachelor’s degree & are in the semester before the 1st semester of Senior Design or Capstone. Successful applicants typically have a GPA of 3.5 or better.

Students may only earn a master’s degree in the same program for which they have earned a bachelor’s degree. For example, a student who earns a Computer Science BS degree is only eligible for the Grad Track Program if they apply for the Computer Science MS program. Additionally, students have to enroll full-time in the MS program in the first long semester after completing their BS degree in order for the completed graduate-level classes to count toward the MS degree.

To Apply:
Each department has its own application for Grad Track. You may also have to submit unofficial transcripts and letters of recommendation. Please visit your department’s website and/or contact your department’s undergraduate or graduate advisor for more information.

<table>
<thead>
<tr>
<th>Masters Program</th>
<th>Grad Track Credits Earned</th>
<th>Thesis Credit Hours through MS Enrollment</th>
<th>Non-Thesis Credit Hours through MS Enrollment</th>
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<td>Computer Engineering</td>
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FUNDAMENTALS OF ENGINEERING (FE) EXAM
This exam is not required in order to earn your engineering degree but it is generally your first step in the process to becoming a professionally licensed engineer. It is designed for recent graduates & students who are close to finishing an undergraduate engineering degree. Passing this exam legally certifies the candidate as an “engineer in training” (EIT) or an “engineer intern” (EI). UNT tutoring options for the exam can be found at engineering.unt.edu/engineering-exam.

PRINCIPLES AND PRACTICES OF ENGINEERING (PE) EXAM
PE licensure is the engineering profession’s highest standard of competence. EITs & EIs are permitted to attempt the exam after completing a minimum of 4 years of professional work experience under the supervisor of a PE. Passing the PE exam qualifies the candidate as a licensed professional engineer.
### University Core Options

| COMMUNICATION | (1 Course) | ENGL 1310, College Writing I  
| | | ENGL 1311, Honors College 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  
| FEDERAL GOVT./POLI. SCIENCE | (1 Course) | PSCL 2305, U.S. Political Behavior & Policy  
| | | PSCL 2315, Honors U.S. Political Behavior.  
| STATE GOVT./POLI. SCIENCE | (1 Course) | PSCL 2306, U.S. & Texas  
| | | PSCL 2316, Honors U.S. & Texas  
| CREATIVE ARTS | (1 Course) | ART 1300, Art Appreciation  
| | | ART 1301, Honors Art Appreciation  
| | | ART 2360, Art History Survey II  
| | | COMM 2060, Performance of Literature  
| | | DANC 1200, Appreciation of Dance  
| | | DANC 2800, Survey of Dance  
| | | MUJS 3400, Understanding Jazz  
| | | MUMH 2040, Music Appreciation  
| | | MUMH 3000, Nineteenth-Century Music  
| | | MUMH 3100, Twentieth-Century Music  
| | | MUMH 3500, Music Hist. & Lit. to 1750  
| | | MUMH 3510, Music Hist. & Lit. from 1750  
| | | THEA 1340, Aesthetics of the Theatre  
| | | THEA 2340, Theater Appreciation  
| | | THEA 3030, World Theatre to 1700  
| | | THEA 3040, World Theatre from 1700  
| LANGUAGE, PHIL & CULTURE | (1 Course) | AGER 2250, Aging in Film & Lit.  
| | | ANTH 3101 American Culture & Society  
| | | ANTH 3110, Indigenous Peoples of N. Am.  
| | | ANTH 3120, Indigenous Cultures of S.W.  
| | | 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 of South Asian  
| | | ENGL 2210, World Literature to 1700  
| | | ENGL 2211, Honors World Lit. to 1700  
| | | ENGL 2220, World Literature from 1700  
| | | ENGL 2221, Honors World Lit. from 1700  
| | | ENGL 3450, Short Story  
| | | FREN 3040, France Today  
| | | FREN 4060, Studies in French Literature  
| | | FREN 4310, Contemp. French Civilization  
| | | GERM 3040, Topics in German Culture  
| | | GERM 3050, Topics in German Literature  
| | | GERM 2313, Courtship & Marriage  
| | | HIST 1050, World History to 16th Century  
| | | HIST 1060, World History from 16th Century  
| | | ITAL 3040, Topics in Italian Culture  
| | | ITAL 3050, Comp. Italian Culture Thru Film  
| | | ITAL 3070, Intro. to Italian Literature  
| | | JAPN 3020, Advanced Japanese I  
| | | LANG 3020, Russian Pop Culture  
| | | 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, Great Religions  
| | | PHIL 2100, Intro. To Judaism  
| | | PHIL 2310, Intro. To Ancient Philosophy  
| | | PHIL 2600, Ethics in Science  
| SOCIAL & BEHAVIORAL SCIENCE | (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 4050, Special Pop. in Disasters  
| | | ECON 1110, Microeconomics  
| | | ECON 1110, Macroeconomics  
| | | GEOG 1200, Global Societies  
| | | HDFS 1013, Human Development  
| | | HLTH 2200, Family Life & Human Sexuality  
| | | JOUR 1210, Mass Comm. & Society  
| | | MDSE 2750, Consumers in Global Market  
| | | MKTG 2650 Culture and Consumption  
| | | MUAG 1500 Occupational Health w/ Music  
| | | PADT 2100, Cultural Competency  
| | | PSYC 1630, General Psychology I  
| | | PSYC 1650, General Psychology II  
| | | PSYC 3620, Developmental Psychology  
| | | RHAB 3100, Disability & Society  
| | | SOCI 1510, Intro to Sociology  
| | | SOCI 2100, Crime & Justice in the U.S.  
| | | SOWK 1450, Intro. to Social Work  
| AP, IB, CLEP, DC, Transfer - University Core Credits | | COMMUNICATION | AP English Lang. & Comp. score of 3 or  
| | | | IB English A: Lang. & 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 Dance score of 4*  
| | | | Community College: ARTS 1301  
| | | | Community College: ARTS 1304  
| | | | Community College: MUSI 1306  
| | | | Community College: DRAM 1310  
| LANGUAGE, PHIL & CULTURE | AP English Literature & Comp. score of 3  
| | | | IB World History score of 3  
| | | | IB History score of 4*  
| | | | IB Philosophy score of 5  
| | | | IB English Language A: Lit. score of 5  
| | | | Community College: ENGL 2332  
| | | | Community College: ENGL 2333  
| | | | Community College: HIST 2321  
| | | | Community College: HIST 2322  
| | | | Community College: PHIL 1301  
| | | | Community College: PHIL 1304  
| | | | Community College: PHIL 2303  
| | | | Community College: PHIL 2306  
| SOCIAL & BEHAVIORAL SCIENCES | AP Macroeconomics score of 3  
| | | | AP Microeconomics score of 3  
| | | | AP Psychology score of 3  
| | | | IB Economics score of 4*  
| | | | IB Geography score of 4*  
| | | | IB Psychology score of 4*  
| | | | CLEP Macroeconomics  
| | | | CLEP Microeconomics  
| | | | CLEP Human Growth & Development  
| | | | CLEP Introductory Psychology  
| | | | CLEP Introductory Sociology  
| | | | Community College: ANTH 2346  
| | | | Community College: ANTH 2351  
| | | | Community College: CRIU 1301  
| | | | Community College: SPCH 1318  
| | | | Community College: ECON 2301  
| | | | Community College: ECON 2302  
| | | | Community College: ECON 2303  
| | | | Community College: TECA 1354  
| | | | Community College: COMM 1307  
| | | | Community College: PSYC 2301  
| | | | Community College: PSYC 2302  
| | | | Community College: SOCI 1301  
| | | | Community College: SOCW 2361  

* Completion of IB program, earned IB Diploma, & minimum score of 4 or completion of IB program without the earned diploma & minimum score of 5, 6 or 7.

Other community college or university courses may fulfill requirements. Please confirm with your advisor.
# AP, IB, CLEP, DC, Transfer – STEM Credits

## Technical Writing
- Community College ENGL 2311: TECM 2700

## 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: CSCE 1030,1040
- Community College COSC 1336: CSCE 1030
- Community College COSC 1337: CSCE 1040
- Community College COSC 1436: CSCE 1030
- Community College COSC 1447: CSCE 1040
- Community College COSC 2325: CSCE 2610
- Community College COSC 2425: CSCE 2610

## Engineering
Community College ENGR 1201: May substitute for EENG 1910 or ENGR 1030 or MEEN 1000 or MTSE 1100 depending on student’s intended major
- Community College ENGR 1204: ENGR 1304
- Community College ENGR 1304: ENGR 1304
- Community College ENGR 2105: ENGR 2415
- Community College ENGR 2107: ENGR 2415
- Community College ENGR 2301: ENGR 2301
- Community College ENGR 2302: ENGR 2302
- Community College ENGR 2303: ENGR 2303
- Community College ENGR 2305: ENGR 2305
- Community College ENGR 2307: ENGR 2405
- Community College ENGR 2405: ENGR 2405

## Biology
- AP Biology score of 3: BIOL 1112,1122
- AP Biology score of 4, 5: BIOL 1710,1720,1760
- IB Biology: BIOL 1710,1720,1760
- CLEP Biology: BIOL 1710,1720
- Community College BIOL 1108: BIOL 1***
- Community College BIOL 1109: BIOL 1***
- Community College BIOL 1306: BIOL 1710
- Community College BIOL 1307: BIOL 1720
- Community College BIOL 1308: BIOL 1***
- Community College BIOL 1309: 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 2101: BIOL 2311
- Community College BIOL 2301: BIOL 2301
- Community College BIOL 2401: BIOL 2301, 2311

## 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 1111: CHEM 1430
- Community College CHEM 1112: CHEM 1440
- Community College CHEM 1305: CHEM 1***
- Community College CHEM 1307: CHEM 1***
- Community College CHEM 1311: CHEM 1410
- Community College CHEM 1312: CHEM 1420
- 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

## Mathematics
- AP Statistics score of 3: MATH 1680
- AP Calculus AB score of 3: MATH 1710
- AP Calculus BC score of 3: MATH 1710,1720
- AP Calculus AB Subscore of BC Exam score 3: MATH 1710
- CLEP Mathematics: Elective
- CLEP College Algebra: MATH 1100
- CLEP Calculus with Elementary Functions: MATH 1710
- IB Mathematics - Calculus: MATH 1710
- IB Mathematics - Calculus: MATH 1710
- Community College MATH 1342: MATH 1680
- Community College MATH 1414: MATH 1100
- Community College MATH 1442: MATH 1680
- Community College MATH 2312: MATH 1650
- Community College MATH 2412: MATH 1650
- Community College MATH 2313: MATH 1710
- Community College MATH 2314: MATH 1720
- Community College MATH 2315: MATH 2730
- Community College MATH 2318: MATH 2700
- Community College MATH 2320: MATH 3410
- Community College MATH 2342: MATH 1680
- Community College MATH 2413: MATH 1710
- Community College MATH 2414: MATH 1720
- Community College MATH 2415: MATH 2730
- Community College MATH 2418: MATH 2700
- Community College MATH 2420: May substitute for MATH 3410
- Community College MATH 2442: MATH 1680
- Community College MATH 2513: MATH 1710
- Community College: ENGR 2300: May substitute for MATH 2700

## 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 4: PHYS 1710,1730
- AP Physics C (Electricity & Magnetism) score of 3: PHYS 1420,1440
- AP Physics C (Electricity & Magnetism) score of 4: PHYS 2220,2240
- Community College PHYS 1101: PHYS 1430
- Community College PHYS 1102: PHYS 1440
- Community College PHYS 1301: PHYS 1410
- Community College PHYS 1302: PHYS 1420
- Community College PHYS 1401: PHYS 1410, 1430
- Community College PHYS 1402: PHYS 1420, 1440
- Community College PHYS 2125: PHYS 1730
- Community College PHYS 2126: PHYS 2240
- Community College PHYS 2325: PHYS 1710
- Community College PHYS 2326: PHYS 2220,2240

## Other community college or university courses may fulfill requirements. Please confirm with your advisor.
<table>
<thead>
<tr>
<th>Resource Information</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog</td>
<td>catalog.unt.edu</td>
</tr>
<tr>
<td>Computer Access Labs</td>
<td>gacl.unt.edu</td>
</tr>
<tr>
<td><strong>Counseling &amp; Health Services:</strong></td>
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</tr>
<tr>
<td>Child and Family Resource Clinic</td>
<td>coe.unt.edu/child-and-family-resource-clinic</td>
</tr>
<tr>
<td>Counseling &amp; Human Development Center</td>
<td>coe.unt.edu/counseling-and-human-development-center</td>
</tr>
<tr>
<td>Counseling &amp; Testing Service</td>
<td>unt.edu/cat</td>
</tr>
<tr>
<td>Health &amp; Wellness Center</td>
<td>healthcenter.unt.edu</td>
</tr>
<tr>
<td>Psychology Clinic</td>
<td>psychology.unt.edu/clinic</td>
</tr>
<tr>
<td>WELL Clinic (personal &amp; career counseling)</td>
<td>untwell.unt.edu</td>
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<tr>
<td><strong>Deadlines</strong> (Registration, Drop, Withdrawal, Payment, etc.)</td>
<td>unt.edu/registration or my.unt.edu</td>
</tr>
<tr>
<td><strong>Dean of Students</strong> (Withdrawal Process, Complaints, etc.)</td>
<td>deanofstudents.unt.edu</td>
</tr>
<tr>
<td><strong>Email Account</strong> (EagleConnect)</td>
<td>eagleconnect.unt.edu or unt.edu/helpdesk</td>
</tr>
<tr>
<td><strong>Engineering Student Organizations &amp; Honor Societies</strong></td>
<td>engineering.unt.edu/ceo/home</td>
</tr>
<tr>
<td><strong>Employment, Internships, &amp; Job Skills:</strong></td>
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</tr>
<tr>
<td>Career Center</td>
<td>careercenter.unt.edu</td>
</tr>
<tr>
<td>InRoads Internships</td>
<td>inroads.org</td>
</tr>
<tr>
<td>InternMatch</td>
<td>internmatch.com</td>
</tr>
<tr>
<td>Texas Internships</td>
<td>texasinternships.jobs</td>
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<tr>
<td><strong>Financial Assistance:</strong></td>
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<tr>
<td>Financial Aid &amp; Scholarships Office</td>
<td>financialaid.unt.edu</td>
</tr>
<tr>
<td>Student Accounting</td>
<td>essc.unt.edu/saucs</td>
</tr>
<tr>
<td>Money Management Center</td>
<td>moneymanagement.unt.edu</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>housing.unt.edu</td>
</tr>
<tr>
<td><strong>Libraries</strong></td>
<td>library.unt.edu</td>
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<tr>
<td><strong>Office of Disability Accommodations</strong></td>
<td>disability.unt.edu</td>
</tr>
<tr>
<td>Registrar (Drop, Excessive Hours, Registration, Transcripts)</td>
<td>essc.unt.edu/registrar</td>
</tr>
<tr>
<td><strong>Registration</strong></td>
<td>my.unt.edu or unt.edu/registration</td>
</tr>
<tr>
<td><strong>Scholarships</strong></td>
<td>engineering.unt.edu/student/scholarships</td>
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<tr>
<td><strong>Student Activities &amp; Organizations</strong></td>
<td>studentactivities.unt.edu</td>
</tr>
<tr>
<td><strong>Student Government Association</strong></td>
<td>sga.unt.edu</td>
</tr>
<tr>
<td><strong>Student Legal Services</strong></td>
<td>studentlegal.unt.edu</td>
</tr>
<tr>
<td><strong>Texas Success Initiative: Learning Center</strong></td>
<td>learningcenter.unt.edu</td>
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<tr>
<td><strong>Tutoring &amp; Academic Improvement Services:</strong></td>
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<tr>
<td>Business Labs (ACCT, BCIS, etc.)</td>
<td>cob.unt.edu/lab/tutor.php</td>
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<tr>
<td>Chemistry Resource Center</td>
<td>chemistry.unt.edu</td>
</tr>
<tr>
<td>Chegg (online)</td>
<td>chegg.com</td>
</tr>
<tr>
<td>Computer Class Help Lab</td>
<td>cse.unt.edu</td>
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<tr>
<td>Coursera (online)</td>
<td>coursera.org</td>
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<tr>
<td>Economics Help Center</td>
<td>economics.unt.edu/undergraduate/help-center</td>
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<tr>
<td>Educator (online)</td>
<td>educator.com</td>
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<td>Edx (online)</td>
<td>edx.org</td>
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<tr>
<td>Khan Academy (online)</td>
<td>khanacademy.org</td>
</tr>
<tr>
<td>Learning Center</td>
<td>learningcenter.unt.edu</td>
</tr>
<tr>
<td>LyndaCampus (online)</td>
<td>if.unt.edu/lynda</td>
</tr>
<tr>
<td>Math Lab &amp; Private Tutor List</td>
<td>math.unt.edu/mathlab</td>
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<tr>
<td>Mathway (online)</td>
<td>mathway.com</td>
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<tr>
<td>Physics Instructional Center</td>
<td>phys.unt.edu/PlC</td>
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<tr>
<td>Quizlet [online]</td>
<td>quizlet.com</td>
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<tr>
<td>That Tutor Guy (online)</td>
<td>thattutorguy.com</td>
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<td>Thinkwell (online)</td>
<td>thinkwell.com</td>
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<tr>
<td>Wolf Ram Alpha (online)</td>
<td>wolframalpha.com</td>
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<tr>
<td>Writing Lab</td>
<td>ltc.unt.edu/labs</td>
</tr>
<tr>
<td><strong>Veteran Center &amp; Services</strong></td>
<td>veteranscenter.unt.edu or unt.edu/veterans &amp; registrar.unt.edu</td>
</tr>
</tbody>
</table>

For Additional Help or Information Visit: www.unt.edu