

Course Title/Number/Section: MEEN 4250- Capstone Design in Mechanical and Energy Engineering (Senior Design II)**Instructor Information:**

Name: Armita Hamidi, PhD

Email: armita.hamidi@unt.edu

Office #: F115U

Office Hours:

Friday: 10 AM to 12:00 PM

Other days/times by appointment. In-person or virtual meetings are available by appointment.

NOTE:

1. If, for unavoidable reasons, I am unable to hold office hours, I will do my best to notify you in advance and arrange an alternative meeting time.
2. If you cannot attend during scheduled times, feel free to email me to arrange an appointment.
3. **Open Door Policy:** If my door is open and I'm not in a meeting, feel free to stop by no appointment needed.
4. Office hours are a great opportunity to ask questions, clarify course material, and seek support. You are strongly encouraged to take advantage of office hours. Come visit me! I'm here to support you and your success is our goal!

TA:

Name: TBD

Email: TBD

Course Description:

Capstone course in Mechanical and Energy Engineering (MEE) culminating the experience of the Bachelor of Science degree in MEE and a direct continuation of MEEN 4150 - MEEN Design I. Student teams complete product design, development and manufacturing projects conceived to promote the common good of society.

Patterned on a professional work-place environment that allows students to make connections between different areas of knowledge. Students learn decision-making strategies that include ethical analysis by planning and managing resources while adhering to an overall project schedule. As a major learning outcome of this capstone course, students are able to express ways that exposure to different ideas, perspectives and viewpoints enriches their thinking. Through this experience, students will enhance their critical thinking abilities, refine their engineering design expertise, and develop skills in business modeling, manufacturing, and fabrication. The Capstone Design course equips students to transition confidently into professional roles, capable of addressing multidisciplinary challenges with technical proficiency and ethical awareness.

Prerequisite(s): [MEEN 4150](#) and [MEEN 3100](#) with a grade of C or better.

Credit Hours: 3 credit hours

Course Delivery:

This is a face-to-face course with learning resources and supplemental materials posted on [Canvas](#). Lesson materials will be organized on the Canvas website for the course. You are expected to have access to the lesson handouts during class by either printing the handouts or having them available for modification on your computer/tablet. The handouts only outline the material for a given class and will need to be completed during class for the student to have the relevant information.

Class Schedule:

Tue Thurs 3:25 PM to 4:45 PM in Room: NTDP M152 (Pettinger Center)

Lab Schedule: FRI 12:30 PM to 3:20 PM NTDP M152 (Pettinger Center)

Texts and Materials:

- **Textbook:**

“Engineering Design”, George Dieter, Linda Schmidt. McGraw Hill (ISBN: 1260113299), 2021.

- **Technology requirements for courses with digital materials:**

Make sure to have the following items before the first day of class.

- Computer
- Reliable internet access
- Speakers
- Microphone
- Plug-ins
- Microsoft Office Suite
- Canvas Technical Requirements

(<https://clear.unt.edu/supportedtechnologies/canvas/requirements>)

Class Materials for Digital Learning language **must** include the following: This course has digital components. To fully participate in this class, students will need internet access to reference content on the Canvas Learning Management System. If circumstances change, you will be informed of other technical needs to access course content. Information on how to be successful in a digital learning environment can be found at [Learn Anywhere](https://online.unt.edu/learn) (<https://online.unt.edu/learn>).

Make sure you are familiar with Using Canvas, email with attachments, downloading and installing software, spreadsheet programs, presentation and graphics programs.

Technical Assistance:

UIT Help Desk: [UIT Student Help Desk site](http://www.unt.edu/helpdesk/index.htm) (<http://www.unt.edu/helpdesk/index.htm>)

Email: helpdesk@unt.edu

Phone: 940-565-2324

In Person: Sage Hall, Room 130

Walk-In Availability: 8am-9pm

Telephone Availability:

- Sunday: noon-midnight
- Monday-Thursday: 8am-midnight
- Friday: 8am-8pm
- Saturday: 9am-5pm

Laptop Checkout: 8am-7pm

For additional support, visit [Canvas Technical Help](#)

(<https://community.canvaslms.com/docs/DOC-10554-4212710328>)

- **Calculators:**

The use of a calculator is required and allowed on all homework, exams and quizzes. Calculators with graphing capabilities will be allowed in the course for homework and quizzes.

Use of Artificial Intelligence in this class:

Generative Artificial Intelligence (GenAI) describes tools, such as ChatGPT, Gemini, and GitHub Copilot, that are trained to generate responses to user-defined prompts or questions. Such tools are a major milestone in machine learning and an impressive application of data science in the real world. Their use can be helpful to your learning but cannot be used to demonstrate mastery of any course objectives.

In this course, I want you to engage deeply with the materials and develop your own critical thinking and writing skills. For this reason, the use of Generative AI (GenAI) tools is not permitted. While these tools can be helpful in some contexts, they do not align with our goal of fostering the development of your independent thinking. Using GenAI to complete any part of an assignment, exam, or coursework will be considered a violation of academic integrity, as it prevents the development of your own skills, and will be addressed according to the [Student Academic Integrity policy](#) (<https://policy.unt.edu/policy/06-003>).

Course Learning Outcomes:

By the end of this course, students will be able to:

1. **Apply Engineering Knowledge:** Integrate and apply fundamental principles of mechanical engineering technology to design, develop, and manufacture products that address real-world problems.
2. **Execute the Engineering Design Process:** Conduct comprehensive product design, from conceptualization to implementation, incorporating creativity, technical knowledge, and problem-solving skills.
3. **Demonstrate Professional Collaboration:** Work effectively in a professional, team-based environment to achieve project goals, simulating workplace conditions.
4. **Plan and Manage Projects:** Develop and implement project management strategies, including resource allocation, scheduling, and adherence to deadlines, to successfully complete engineering projects.
5. **Incorporate Ethical Decision-Making:** Evaluate the ethical implications of design and manufacturing decisions, ensuring that solutions promote societal good and adhere to professional standards.
6. **Enhance Critical Thinking:** Analyze complex engineering challenges from multiple perspectives to generate innovative and effective solutions.
7. **Apply Business and Manufacturing Principles:** Integrate concepts of business modeling, cost analysis, and manufacturing processes into the development of viable and sustainable products.
8. **Communicate Effectively:** Prepare and deliver professional reports and presentations to articulate design processes, technical decisions, and project outcomes to diverse stakeholders.

9. Gain Multidisciplinary Exposure: Develop an appreciation for diverse perspectives and areas of expertise in mechanical engineering technology, enriching problem-solving capabilities and technical understanding.

10. Prepare for Professional Practice: Demonstrate readiness for careers in engineering technology by completing a comprehensive, industry-relevant capstone project that reflects professional standards and expectations.

ABET Requirements:

This course satisfies an ABET accreditation requirement for major design experience. “Engineering design is a process of devising a system, component, or process to meet desired needs and specifications within constraints. It is an iterative, creative, decision-making process in which the basic sciences, mathematics, and engineering sciences are applied to convert resources into solutions. Engineering design involves identifying opportunities, developing requirements, performing analysis and synthesis, generating multiple solutions, evaluating solutions against requirements, considering risks, and making trade-offs, for purpose of obtaining a high-quality solution under given circumstances. For illustrative purposes only, examples of possible constraints include accessibility, aesthetics, codes, constructability, cost, ergonomics, extensibility, functionality, interoperability, legal considerations, maintainability, manufacturability, marketability, policy, regulations, schedule, standards, sustainability, or usability”

ABET Program Educational Objectives (PEO's):

PEO's developed by department stakeholders and supported by senior design capstone course are:

1. Graduates successfully employed in mechanical and/or energy engineering positions and other related fields.
2. Graduates engage in lifelong learning demonstrated by advanced education, professional development activities and/or other career-appropriate options.
3. Graduates are prepared to successfully demonstrate technical and leadership competence through ethical conduct, teaming, communication and/or problem-solving skills learned in our program

ABET Student Outcomes:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. An ability to communicate effectively with a range of audiences
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Grading Criteria:

Overall Course Grading (100%)

Category	Mode	Percentage
Class Attendance & Peer Review	Individual	5%
Individual Assignments	Individual	10%
Individual Project Contribution & Team Engagement	Individual	15%
Individual Total		30%
Team Assignments and Interim Project Reports	Team	15%
Project Status (weekly report)	Team	15%
Project Reports (CDR, TRR)	Team	15%
Final Report and presentation (SAR)	Team	20%
Design Day Presentation	Team	5%
Team Total		70%
Total		100%

Letter Grade Assignment

A: $\geq 90\%$, B: 80-89%, C: 70-79%, D: 60-69%, F: $< 60\%$; Your grade will not be based on a curve. The instructor reserves the right to change this grade distribution at the end of the semester. If any changes occur, the changes will be less stringent than the distribution above.

Impact on Grades

The instructor has the authority to adjust grades based on individual contributions to the team. This includes reducing grades for students who demonstrate inadequate participation or behavior that undermines the team's progress. In extreme cases, a student may be removed from the team. If this occurs, the student will be unable to complete the course requirements, which may result in a failing grade, regardless of their performance on individual assignments. From time-to-time peer reviews will be conducted to determine the individuals contribution to the Group.

Tentative Course Schedule:

This is a tentative course outline. The instructors will attempt to follow it closely and reserve the right to substitute any other relevant material at any point throughout the course. The laboratory following the lecture will implement the information covered in the lectures in the project.

(Due: **Green=Team Submission**, **Purple=Individual Submission**)

Week	Dates	Tuesdays	Thursdays	Project Due	Other Due
1	August 18-20	Course Introduction, Product Life cycle; Critical Design Requirements & Evaluation, TRR Goals, SAR Goals	Review the PDR feedback and project status after the summer break	Review PDR	Team schedule
2	August 25-27	Project Management, Control & Monitoring, Make/Buy, Vendors	Shop Safety Training	Revised/Final PDR	Peer 1
3	September 1-3	Design for Manufacturing	Materials & Processes	• DFM • Materials & Processes	
4	September 8-10	Risk, Reliability, and Safety	Design Optimization & Design to Cost	Material Ordering	
5	September 15-17	Making drawings and GD&T Intro	Design for Assembly	• DFA • DFC • Preliminary BOM / Vendor Selection • Material Selection & Ordering Plan	
6	September 22-24	GD&T	Public Speaking	CDR	Approval on Materials
7	September 29-Oct 1	TRR, Test Plan Generation; Verification & Validation	Public & Societal Welfare, Intellectual Property		Approval on CDR
8	October 6-8	Final Report writing and presentation requirements	End Item Specification (EIS) & System Acceptance Review (SAR)		Peer 2
9	October 13-15	Project Work	Project Work	TRR	
10	October 20-22	Project Work	Project Work		Approval on TRR
11	October 27-29	Project Work	Project Work		
12	November 3-5	Project Work	Project Work		
13	November 10-12	Project Work	Project Work	SAR	
14	November 17-19	Project Work	Project Work		
15	November 24-26	Thanksgiving Holiday			
16	December 1-3	Design Day			
17	December 8-10	Final Exam week			

Design Day – Thursday, December 3, 2026; Final report & presentation – To be scheduled

Course Expectations:

- **Attendance**

Regular attendance is essential for your success in this course. You are expected to attend every class unless you have a university-excused absence, such as active military service, a religious holy day, or an official university function, as outlined in the [Student Attendance and Authorized Absences Policy \(PDF\)](https://policy.unt.edu/policy/06-039) (<https://policy.unt.edu/policy/06-039>).

Please arrive on time and prepared for each class. Attendance will be recorded. If you must miss class due to an emergency, notify me as soon as possible, preferably before the absence. It is important that you communicate with the professor and the instructional team prior to being absent, so you, the professor, and the instructional team can discuss and mitigate the impact of the absence on your attainment of course learning goals. To receive an excused absence, you must provide satisfactory evidence.

- **Assignments**

Assignments will be done individually. Assignments will be posted on Canvas and are due on the date and time given. All assignments should be turned in Canvas. A hard copy should be maintained in your portfolio. It is the student's responsibility to check and see what assignment is available and to turn them in a timely manner.

NO LATE SUBMISSIONS ALLOWED except for students with UNT-approved excuse (please follow UNT Policy 06.039). ALL late/missed assignments earn 0 grade. If you have an emergency and need an authorized absence as per UNT Policy 06.039, please connect with the Dean of Students' office requesting an excused absence in writing (studentaffairs.unt.edu/dean-of-students).

- **Project Status (weekly reports)**

Each team will meet with the instructor during the scheduled laboratory sessions to review the status of their product and overall project. During these meetings, teams are expected to provide updates on technical progress, design decisions, challenges encountered, and next steps. The instructor will offer feedback, ask clarifying questions, and provide guidance to help teams stay aligned with project objectives, timelines, and performance requirements. In addition, the team's project portfolio including documentation, analyses, schedules, and deliverables—will also be reviewed during these meetings to assess completeness, quality, and alignment with course expectations. These sessions are intended to support continuous improvement, ensure accountability, and help identify risks or issues early in the project lifecycle.

- **Teamwork**

Teamwork is a major objective of this course, and every student is expected to contribute equitably to their team's success. Peer evaluations will be conducted and factored into individual grades. If a team member is not meeting expectations, it is the responsibility of the team to notify the instructor promptly. Examples of unacceptable team behavior include but are not limited to:

- Failure to participate in team activities or contribute meaningfully to the design process
- Engaging in unethical conduct such as plagiarism or falsification of data/results
- Poor collaboration with teammates, faculty advisors, or staff

- Repeatedly missing deadlines or misusing project materials
- Any actions that hinder or compromise the team's progress

Missing team meetings or failing to contribute to team activities due to employment or personal scheduling conflicts is not considered an excusable absence under UNT policy. Students are responsible for adjusting their schedules to meet course and team obligations. Teams are expected to identify meeting times that are reasonable and acceptable to all members.

The instructor reserves the right to reduce an individual student's grade based on inadequate teamwork, lack of participation, or failure to meet team responsibilities. In severe cases, this may include removal of a student from a team or assignment of a failing grade for the course, even if the student's individual work is otherwise passing.

- **Safety**

While working in laboratory sessions, students enrolled in this course are required to follow proper safety procedures and guidelines in all activities requiring lifting, climbing, walking on slippery surfaces, using equipment and tools, handling chemical solutions and hot and cold products. Students should be aware that UNT is not liable for injuries incurred while students are participating in class activities. All students are encouraged to secure adequate insurance coverage in the event of accidental injury. Students who do not have insurance coverage should consider obtaining Student Health Insurance. Brochures for student insurance are available in the UNT Student Health and Wellness Center. Students who are injured during class activities may seek medical attention at the Student Health and Wellness Center at rates that are reduced compared to other medical facilities. If students have an insurance plan other than Student Health Insurance at UNT, they should be sure that the plan covers treatment at this facility. If students choose not to go to the UNT Student Health and Wellness Center, they may be transported to an emergency room at a local hospital. Students are responsible for expenses incurred there.

- **Design Project Requirements**

1) Design projects must be related to mechanical engineering. Project should be the design of a device, machine or system that implements mechanics, thermal, fluids, energy, and control systems modeling. Project must have broad enough scope that it demonstrates a student's knowledge of mechanical fundamentals. Projects may include non-mechanical portions such as electronics and instrumentation, but they may not be primary discipline. Project solutions must involve three or more of the following mechanical engineering disciplines:

- a. Solid mechanics / Fluid mechanics
- b. Machine design
- c. Energy Systems, HV
- d. Thermal systems / heat transfer
- e. Decision Sciences - Systems modeling and feedback controls
- f. Manufacturing Processes

2) Projects and solutions must be open-ended that require an engineer to solve a problem. A problem with one obvious solution is not acceptable. Having many workable solutions allows teams to determine the "best" solution and provide reasoning behind their selection. Multiple alternatives are presented and evaluated, with a decision process which assesses how to determine final design configuration.

- 3) Projects and solutions are required to have specific constraints which are measurable, i.e., weight, size, cost, performance, efficiency, etc. Measurable goals and constraints are developed and documented in a system specification.
- 4) Projects and solutions must require background research to be done. If the solution has already been published, the project is not acceptable.
- 5) Projects and solutions require proof that design is feasible to manufacture, functional, and safe. Analysis helps reduce risk of failure before fabrication but is not proof. Fabrication and tests are required.
- 6) Projects and solutions must be able to be completed within 2 semesters.
- 7) Projects must be complex enough to require at least 3 students, but not more than 6
- 8) Projects and solutions should be complex enough to allow each team member to have responsibility for a major design element. If a team can implement a solution, buy materials and build it without any engineering analysis to reduce risk or assess capability versus safety or performance requirements - it is not acceptable. Simple solutions require additional scope to provide all students equal opportunity to accomplish degree requirements. Each student must be provided opportunity to lead design of major design element or assembly (collection of parts) that requires:
 - a. Requirements Analysis: Identification and breakdown of requirements into specifications.
 - b. Preliminary Design: problem identification, research and concept development
 - c. Embodiment Design: the main concept is selected and further analyzed
 - d. Detailed Design: computer engineering analysis using solid modeling FEA
 - e. Fabrication: construct using generally accepted engineering fabrication methods and materials. 3-d printing is, in general, specifically excluded.
 - f. Test: Instrument, test, and evaluate design and compare to analysis.
 - g. System Acceptance: Verify & validate that system meets requirements

- **Integrity**

Every student in my class can improve by doing their own work and trying their hardest with access to appropriate resources. Students who use other people's work without citations will be violating UNT's Academic Integrity Policy. Please read and follow this important set of [guidelines for your academic success](https://policy.unt.edu/policy/06-003) (<https://policy.unt.edu/policy/06-003>). If you have questions about this, or any UNT policy, please email me or come discuss this with me during my office hours.

- **Communication**

Faculty will respond to email and/or telephone messages within 48 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday. All private communication will be done through your UNTemail address. Check frequently for announcements and course updates. In your emails to faculty, include the course name and section number in your subject line.

- **Professionalism**

Professional engineering standards apply in this class. You are expected to demonstrate a behavior consistent with the conduct of an individual practicing in the engineering profession. You are expected to:

- Come prepared for class
- Respect faculty and peers
- Demonstrate responsibility and accountability for your own actions
- Demonstrate sensitivity and appreciation for diverse cultures, backgrounds, and life experiences
- Offer and accept constructive criticism in a productive manner
- Demonstrate an attitude that fosters professional behavior among peers and faculty
- Be punctual to class meetings
- Maintain a good work ethic and integrity
- Recognize the classroom as a professional workplace

I value the many perspectives students bring to our campus. Please work with me to create a classroom culture of open communication, mutual respect, and belonging. All discussions should be respectful and civil. Although disagreements and debates are encouraged, personal attacks are unacceptable. Together, we can ensure a safe and welcoming classroom for all. If you ever feel like this is not the case, please stop by my office and let me know. We are all learning together.

- **Syllabus Update**

This syllabus is subject to change during the semester with changes to be announced in class and provided on Canvas.

Academic Support & Student Services:

Mental Health

UNT strives to offer a high-quality education in a supportive environment where you can learn, grow, and thrive. As a faculty member, I am committed to supporting you, and I want to remind you that UNT offers a range of mental health and wellness services to help maintain balance and well-being. Utilizing these resources is a proactive way to support your academic and personal success. To explore campus resources designed to support you, check out [mental health services \(https://clear.unt.edu/student-support-services-policies\)](https://clear.unt.edu/student-support-services-policies), visit unt.edu/success, and explore unt.edu/wellness. To get all your enrollment and student financial-related questions answered, go to scrappysays.unt.edu.

UNT Policies:

- **ADA Policy**

The University of North Texas makes reasonable accommodations for students with disabilities. To request accommodations, you must first register with the Office of Disability Access (ODA) by completing an application for services and providing documentation to verify your eligibility each semester. Once your eligibility is confirmed, you may request your letter of accommodation. ODA will then email your faculty a letter of reasonable accommodation, initiating a private discussion about your specific needs in the course.

You can request accommodations at any time, but it's important to provide ODA notice to your faculty as early as possible in the semester to avoid delays in implementation. Keep in mind that you must obtain a new letter of accommodation for each semester and meet with each faculty member before accommodations can be implemented in each class. You are strongly encouraged to meet with faculty regarding your accommodations during office hours or by appointment. Faculty have the authority to ask you to discuss your letter during their designated office hours to

protect your privacy. For more information and to access resources that can support your needs, refer to the [Office of Disability Access](https://studentaffairs.unt.edu/office-disability-access) website (<https://studentaffairs.unt.edu/office-disability-access>).

- **Emergency Notification & Procedures**

UNT uses a system called Eagle Alert to quickly notify students with critical information in the event of an emergency (i.e., severe weather, campus closing, and health and public safety emergencies like chemical spills, fires, or violence). In the event of a university closure, please refer to Blackboard for contingency plans for covering course materials.

- **Retention of Student Records**

Student records pertaining to this course are maintained in a secure location by the instructor of record. All records such as exams, answer sheets (with keys), and written papers submitted during the duration of the course are kept for at least one calendar year after course completion. Course work completed via the Canvas online system, including grading information and comments, is also stored in a safe electronic environment for one year. Students have the right to view their individual record; however, information about student's records will not be divulged to other individuals without proper written consent. Students are encouraged to review the Public Information Policy and the Family Educational Rights and Privacy Act (FERPA) laws and the University's policy. See UNT Policy 10.10, Records Management and Retention for additional information.

- **Acceptable Student Behavior**

Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior will be directed to leave the classroom and the instructor may refer the student to the Dean of Students to consider whether the student's conduct violated the Code of Student Conduct. The University's expectations for student conduct apply to all instructional forums, including University and electronic classroom, labs, discussion groups, field trips, etc. Visit UNT's Code of Student Conduct (<https://deanofstudents.unt.edu/conduct>) to learn more.

Access to Information - Eagle Connect

Students' access point for business and academic services at UNT is located at: my.unt.edu. All official communication from the University will be delivered to a student's Eagle Connect account. For more information, please visit the website that explains Eagle Connect and how to forward e-mail Eagle Connect (<https://it.unt.edu/eagleconnect>).

- **Student Evaluation Administration Dates**

Student feedback is important and an essential part of participation in this course. The student evaluation of instruction is a requirement for all organized classes at UNT. The survey will be made available during weeks 13, 14 and 15 [insert administration dates] of the long semesters to provide students with an opportunity to evaluate how this course is taught. Students will receive an email from "UNT SPOT Course Evaluations via IA System Notification" (no-reply@iasystem.org) with the survey link. Students should look for the email in their UNT email inbox. Simply click on the link and complete the survey. Once students complete the survey they will receive a confirmation email that the survey has been submitted. For additional information, please visit the SPOT website (<http://spot.unt.edu/>) or email spot@unt.edu.

- **Sexual Assault Prevention**

UNT is committed to providing a safe learning environment free of all forms of sexual misconduct, including sexual harassment sexual assault, domestic violence, dating violence, and stalking.

Federal laws (Title IX and the Violence Against Women Act) and UNT policies prohibit discrimination on the basis of sex, and therefore prohibit sexual misconduct. If you or someone you know is experiencing sexual harassment, relationship violence, stalking, and/or sexual assault, there are campus resources available to provide support and assistance. UNT's Survivor Advocates can assist a student who has been impacted by violence by filing protective orders, completing crime victim's compensation applications, contacting professors for absences related to an assault, working with housing to facilitate a room change where appropriate, and connecting students to other resources available both on and off campus. The Survivor Advocates can be reached at SurvivorAdvocate@unt.edu or by calling the Dean of Students Office at 940-565- 2648. Additionally, alleged sexual misconduct can be non-confidentially reported to the Title IX Coordinator at oeo@unt.edu or at (940) 565 2759.

Additional Student Support Services

- [Registrar](https://registrar.unt.edu/registration) (<https://registrar.unt.edu/registration>)
- [Financial Aid](https://financialaid.unt.edu/) (<https://financialaid.unt.edu/>)
- [Student Legal Services](https://studentaffairs.unt.edu/student-legal-services) (<https://studentaffairs.unt.edu/student-legal-services>)
- [Career Center](https://studentaffairs.unt.edu/career-center) (<https://studentaffairs.unt.edu/career-center>)
- [Multicultural Center](https://edo.unt.edu/multicultural-center) (<https://edo.unt.edu/multicultural-center>)
- [Counseling and Testing Services](https://studentaffairs.unt.edu/counseling-and-testing-services) (<https://studentaffairs.unt.edu/counseling-and-testing-services>)
- [Pride Alliance](https://edo.unt.edu/pridealliance) (<https://edo.unt.edu/pridealliance>)
- [UNT Food Pantry](https://deanofstudents.unt.edu/resources/food-pantry) (<https://deanofstudents.unt.edu/resources/food-pantry>)

Academic Support Services

- [Academic Resource Center](https://clear.unt.edu/canvas/student-resources) (<https://clear.unt.edu/canvas/student-resources>)
- [Academic Success Center](https://success.unt.edu/asc) (<https://success.unt.edu/asc>)
- [UNT Libraries](https://library.unt.edu/) (<https://library.unt.edu/>)
- [Writing Lab](http://writingcenter.unt.edu/) (<http://writingcenter.unt.edu/>)