

ECS 1100 Fall 2025 Course Syllabus

Course Information

Course: ECS 1100; Introduction to Engineering and Computer Science

Semester: Fall, 2025

Room: [ECSW 1.315](#), [RHW/RHA](#) 3.100, [RHSW/RHH](#) 1.001, OR [RHNW/RHV](#) 1.001

Semester credit hours: 1 SCH

Section #	Instructor	Meeting Day	Meeting Time	Room
001	Ben Porter	Tuesdays	1:00-1:50 p.m.	ECSW 1.315
002	Hazem Younis	Thursdays	1:00-1:50 p.m.	ECSW 1.315
003	Ben Porter	Tuesdays	2:00-2:50 p.m.	ECSW 1.315
004	Hazem Younis	Thursdays	2:00-2:50 p.m.	ECSW 1.315
005	Rebecca McClain	Tuesdays	3:00-3:50 p.m.	ECSW 1.315
007	Parisa Afsari	Thursdays	3:00-3:50 p.m.	RHSW/RHH 1.001
008	Hasan Ghaderi	Thursdays	3:00-3:50 p.m.	RHNW/RHV 1.001
011	Taylor Lawson	Tuesdays	4:00-4:50 p.m.	RHW/RHA 3.100
012	Musa Mannan	Wednesdays	4:00-4:50 p.m.	RHW/RHA 3.100
013	Chengen Wang	Thursdays	4:00-4:50 p.m.	RHW/RHA 3.100
512	Zihe Song	Wednesdays	5:00-5:50 p.m.	RHW/RHA 3.100
513	Divya Khanure	Tuesdays	5:00-5:50 p.m.	RHW/RHA 3.100
514	Siva Vasireddy	Thursdays	5:00-5:50 p.m.	RHW/RHA 3.100
515	Wenjie Zhao	Wednesdays	6:00-6:50 p.m.	RHW/RHA 3.100

Weekly Schedule	Tuesdays	Wednesdays	Thursdays
1-1:50 p.m.	Section .001 (Porter)	N/A	Section .002 (Younis)
2-2:50 p.m.	Section .003 (Porter)	N/A	Section .004 (Younis)
3-3:50 p.m.	Section .005 (McClain)	N/A	Sections .007 (Afsari) .008 (Ghaderi)
4-4:50 p.m.	Section .011 (Lawson)	Section .012 (Mannan)	Section .013 (Wang)
5-5:50 p.m.	Section .513 (Khanure)	Section .512 (Song)	Section .514 (Vasireddy)
6-6:50 p.m.	N/A	Section .515 (Zhao)	N/A

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Professor Contact Information

Instructors:

Paris (Parisa) Afsari (Electrical Engineering)

Section 007

Email: Parisa.Afsari@UTDallas.edu

Open Hours Location: ECSS 2.502 (Undergraduate Advising Office lobby)

Open Hours: Thursdays, 10 a.m.-12 p.m.

Dan Burleson, PhD (Mechanical Engineering) ECS Director of First-year Programs

Email: Daniel.Burleson@UTDallas.edu

Open Hours Location: ECSS 2.502 (Undergraduate Advising Office lobby)

Open Hours: Tuesdays & Thursdays, 11 a.m.–1 p.m.

M. Hasan Ghaderi (Electrical Engineering)

Section 008

Email: MohammadHasan.Ghaderi@UTDallas.edu

Open Hours Location: Atrium to Residence Hall Vega (RHNW)

Open Hours: Thursdays, 2-3 p.m. & 4-5 p.m.

Divya Khanure (Telecommunications Engineering)

Section 5I3

Email: Divya.Khanure@UTDallas.edu

Open Hours Location: ECSS 2.502 (Undergraduate Advising Office lobby)

Open Hours: Tuesdays, 2:30-4:30 p.m.

Taylor Lawson (Computer Engineering)

Section 0I1

Email: taylor.lawson@utdallas.edu

Open Hours Location: Atrium to Residence Hall Andromeda (RHW)

Open Hours: Tuesdays, 5-7 p.m.

Musa Ibne Mannan (Mechanical Engineering)

Section 0I2

Email: musa314@utdallas.edu

Open Hours Location: Atrium to ECSW 2.100 (The Bird's Nest)

Open Hours: Wednesdays, 2-4 p.m.

Becca McClain, PhD (Materials Science Engineering)

Section 005

Email: Rebecca.McClain@UTDallas.edu

Phone: 972-883-5760

Office: [RL 2.406](#)

Open Hours: by appointment

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Instructors (continued):

Ben Porter, PhD (Biomedical Engineering)

Sections 001 & 003

Email: Ben.Porter@UTDallas.edu

Phone: 972-883-7328

Office: [ECSN 2.226](#)

Open Hours: Tuesdays, 10 a.m.-noon, & Wednesdays, 1-2:30 p.m. nearby or in the Starbucks at the Student Union

Zoe (Zihe) Song (Computer Science)

Section 5I2

Email: Zihe.Song@UTDallas.edu

Open Hours Location: ECSS 2.104a

Open Hours: Wednesdays, 2:30-4:30 p.m.

Siva Sai Nagender Vasireddy (Computer Science)

Section 5I4

Email: SivaSaiNagender.Vasireddy@UTDallas.edu

Open Hours Location: ECSS 2.502 (Undergraduate Advising Office lobby)

Open Hours: Mondays, 2-4 p.m.

Chengen Wang (Computer Science)

Section 0I3

Email: Chengen.Wang@UTDallas.edu

Open Hours Location: Atrium to Residence Hall Andromeda (RHW)

Open Hours: Thursdays, 2-4 p.m.

Hazem Amr Younis (Computer Engineering)

Section 002 & 004

Email: hazemamr.younis@utdallas.edu

Open Hours Location: ECSS 2.502 (Undergraduate Advising Office lobby)

Open Hours: Mondays, 10 a.m.-12 p.m.

Wenjie Zhao (Computer Science)

Section 5I5

Email: Wenjie.Zhao@UTDallas.edu

Open Hours Location: Nearby or in the Starbucks at the Student Union

Open Hours: Mondays, 9-11 a.m.

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Course Pre-requisites, Co-requisites, and/or Other Restrictions

None

Course Description

Introduction to engineering and computing careers; overview of Engineering and Computer Science (ECS) curricula, connections among ECS fields and to the sciences, and other fields; basic study, problem solving, and other skills needed to succeed as an ECS major.

Student Learning Objectives/Outcomes

1. First-year students will be able to describe the engineering profession and sub-disciplines.
 2. First-year students will define what their individual success will look like at graduation.
 3. First-year students will learn about University resources, strategies for succeeding at college, and skills for their continued well-being while attending UT Dallas.
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Required Textbooks and Materials

None

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Assignments & Academic Calendar

(Please see eLearning for assignments calendar)

Week	Dates	In class Topic
1	Week of Aug. 25	Welcome
2	Week of Sep. 1	Professional Identity & Engineering Design
3	Week of Sep. 8	Bioengineering
4	Week of Sep. 15	Requirements
5	Week of Sep. 22	Electrical & Computer Engineering
6	Week of Sep. 29	ECS Undergraduate Support Team
7	Week of Oct. 6	Idea Generation
8	Week of Oct. 13	Computer Science
9	Week of Oct. 20	Representation & Prototyping
10	Week of Oct. 27	Material Science Engineering
11	Week of Nov. 3	Identifying the Problem: Root Cause Analysis
12	Week of Nov. 10	Systems Engineering
13	Week of Nov. 17	Mechanical Engineering
14	Week of Nov. 24	Thanksgiving Break
15	Week of Dec. 1	Design Process Recap Project
16	Week of Dec. 8	No class

Grading Policy

(including percentages for assignments, grade scale, etc.)

ECS 1100 will use a combination of in-person and online learning modules throughout the semester with the expectation that students will complete three to four assignments per week for a total of 52 assignments:

1. One weekly **pre-class module** and assignment **due by 5 p.m.** the day prior to your regular class time
2. One weekly **in-class module** and assignment **due in-class**, during your regular class time
3. One weekly **at-home module** and assignment **due by 11:59 p.m.** the day prior to your regular class time
4. Starting the third week, one weekly **connectedness module** assignment **due by 11:59 p.m.** the day prior to your regular class time

Important notes:

1. You are expected to be on-time and stay for the entire class. You may forfeit credit for the in-person module if you are more than five minutes late, leave

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early, or do not attend the class. Grades for all modules will be based on effort as defined by the instructor.

2. There will not be partial credit.
3. If a student has any suspicion that an assignment did not submit due to a failure with eLearning, email the assignment directly to your instructor by the deadline, using “ECS 1100” in the subject line. For in-class work, inform the instructor before leaving class.
4. **No late assignment will be accepted.**

Assignments will be graded as complete or incomplete based on the instructor’s satisfaction with the level of effort put into the assignment. Using the table below, the total number of completed assignments in a category will determine the letter grade assigned to each module category. **The lowest of the four grades will be used for the final grade for the course.**

Letter	Pre-class module n=14	In-class module n=14	At-home module n=14	Connectedness n=10
A	12-14	12-14	12-14	10
B	11	11	11	9
C	10	10	10	8
F	<10	<10	<10	<8

Course & Instructor Policies

An environment of respect: From the [National Society of Professional Engineers](#), “NSPE proactively encourages diversity in all areas of the engineering profession and within the organization. It is the policy of NSPE to create a diverse and welcoming environment for everyone interested in the licensed practice of engineering. NSPE recognizes the benefits of a diverse population of licensed engineers in shaping the future of engineering. Diverse backgrounds foster unique contributions and capabilities and create an inclusive community ultimately leading to a more creative, effective and technically respected community. NSPE proactively encourages diversity in all areas of the engineering profession and within the organization. NSPE’s business entities and volunteer groups are committed to developing business practices and position statements in support of this policy. (NSPE Professional Policy No. 01)”

Contacting Instructors: While instructors are resources to help you succeed in class and in college, students are expected to work towards finding answers to questions on their own before seeking assistance. Please pay attention to course announcement, read the syllabus, and check eLearning before contacting an instructor for questions about the class or assignments. Be sure to include “ECS 1100” in your subject line.

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For examples of how to email your professors, please see:

- <https://advising.stanford.edu/current-students/advising-student-handbook/email-faculty>
- <https://www.purdue.edu/advisors/students/professor.php>

Religious Accommodations: Students are expected to notify their instructor by census day (September 10th) if they intend to miss class to observe a holy day pertaining to their religious faith. The student may request to attend another section of class in the same week.

Student Accommodations: It is the policy and practice of The University of Texas at Dallas to make reasonable accommodations for students with properly documented disabilities. However, written notification from the AccessAbility Resource Center (ARC) is required. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow one-week advance notice. Students who have questions about receiving accommodations, or those who have, or think they may have, a disability (mobility, sensory, health, psychological, learning, etc.) are invited to contact ARC for a confidential discussion. ARC is located in the Administration Building, AD 2.224. They can be reached by phone at 972-883-2098, or by email at studentaccess@utdallas.edu.

Life Policy: Life happens and personal situations can introduce complications. Please talk to the instructor during office hours if you need assistance regarding the class. The instructor wants you to succeed and early communication is key.

Grading Questions: Grade disputes must be brought to the instructor's attention in writing (e.g. via email) within two weeks of the grade posting.

Cheating: Do not cheat. Do not copy assignments, do not copy entire prompt responses without citing the course, do not post assignments or make answers public, do not work on assignments as a group unless instructed to, do not plagiarize, do not use the internet or outside sources when you are not allowed to, do not discuss assignments with those who are not done, or do anything else that would be construed as academic dishonesty. If the instructor suspects academic dishonesty, they will follow UTD procedures with the Office of Community Standards and Conduct from which point forward the instructor will no longer be involved in the investigation or results. The instructor will not notify a student of a report to OCSC, nor will they discuss pending investigations with the student. Do not cheat.

For more information, see: [Academic Dishonesty - Community Standards and Conduct - UT Dallas](#)

Texas Senate Bill 17, the recent law that prohibits diversity, equity, and inclusion programs and activities at public universities in Texas, does not in any way apply to academic course instruction.

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Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course; however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved AccessAbility Resource Center accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Class Attendance

The University's attendance policy requirement is that individual faculty set their course attendance requirements. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes.

Class Participation

Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

Comet Creed

This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:

"As a Comet, I pledge honesty, integrity, and service in all that I do."

The National Society of Professional Engineer's Creed: As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and betterment of human welfare. I pledge:

- To give the utmost of performance
- To participate in none but honest enterprise
- To live and work according to the highest standards of professional conduct;

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- To place service before profit, the honor and standing of my profession before personal advantage, and the public welfare above all other considerations.

In humility, I make this pledge.

Engineering Ethics (The Canons): Engineers, in the fulfillment of their professional duties, shall:

1. Hold paramount the safety, health, and welfare of the public.
2. Perform services only in areas of their competence.
3. Issue public statements only in an objective and truthful manner.
4. Act for each employer or client as faithful agents or trustees.
5. Avoid deceptive acts.
6. Conduct themselves honorably, responsibly, ethically, and lawfully so as to enhance the honor, reputation, and usefulness of the profession.

Academic Support Resources

The information contained in the following link lists the University's academic support resources for all students.

Please see <http://go.utdallas.edu/academic-support-resources>.

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UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please review the catalog sections regarding the [credit/no credit](#) or [pass/fail](#) grading option and withdrawal from class.

Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.