



UT San Antonio™

Civil & Environmental Engineering



CREATING
BOLD FUTURES®

If Found, Return to

Semester: Fall 2026

Major: Civil Engineering

Minor: _____

Academic Advisor: _____

Faculty Advisor: _____

Senior Program Manager: [Alissa Carper](#) alissa.carper@utsa.edu, BSE 1.340

Email: _____

Cell Phone: _____

Abc123: _____

Banner ID: @_____

Employee ID: _____

Add to Resume

Make a note of activities and accomplishments that you can add to your resume and reference in scholarship applications

Organizations & Memberships

Suggested clubs to look into: American Society of Civil Engineers (ASCE); Institute of Transportation Engineers (ITE); Society of Women Engineers (SWE); Society of Hispanic Professional Engineers (SHPE); National Society of Black Engineers (NSBE); Environmental and Water Resources Institute (EWRI) & Water Environment Association of Texas (WEAT)

Organization	Years Active	Leadership Positions, sub-committees, teams (e.g. concrete canoe, workshop organizer)

Volunteer Hours

Accomplishments and Awards

Jobs, internships, competitive scholarships, projects, awards, etc.

Experience/Award	Supervisor/Organization	When

Course Plan

For each requirement, the recommended semester to take the course (as 1-8 indicating first through final) is listed, but you should identify what works best for you. SCH = semester credit hours. You can track what grade you achieved. Blank or italicized course options allow for some choices.

Requirement	Course	SCH	Semester	Grade
First Year Experience (Core)	AIS 1243	3	1	
Communication (Core)	WRC 1013	3	1	
“	WRC 1023	3	2	
Math (Core)	MAT 1213	3	1	
Life & Physical Sciences (Core) + General Engineering	PHY 1943	3	2	
“	PHY 1963	3	3	
Language, Philosophy and culture (Core)		3	8	
Creative arts (Core)		3	8	
American history (Core)		3		
“		3		
Government political science (Core)	POL 1013	3	6	
“		3	7	
Social and behavioral science (Core) (if take ECO 2023, satisfies core and CE req.)	<i>ECO 2023</i>	3	4	
Component Area Option (Core) (if take CS 1173, satisfies core and CE req.)	<i>CS 1173</i>	3	1	
General Engineering	CHE 1103	3	1	
General Engineering	EGR 2302	3	3	
General Engineering	EGR 3423	3	4	
General Engineering—Calculus II	EGR 1333	3	2	
CE Gateway	MAT 1213	3	1	
CE Gateway	EGR 3423	3	4	
Signature Experience				

Course Plan Continued

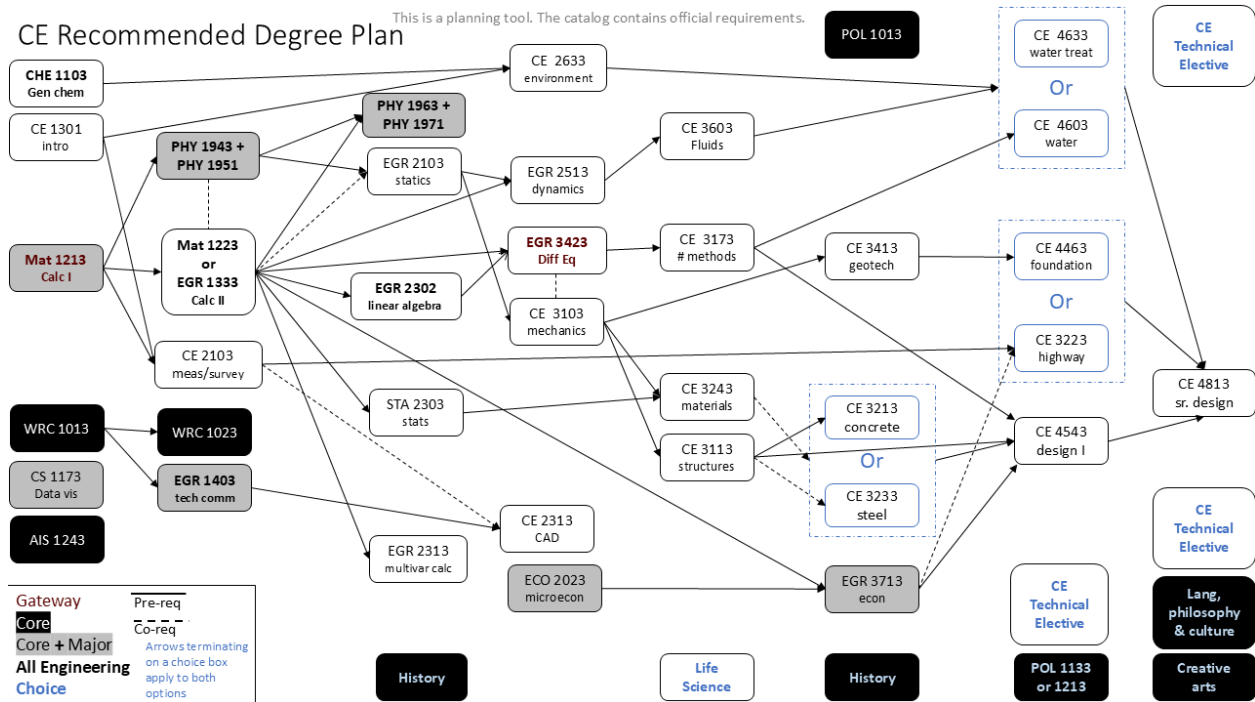
The Civil Engineering Degree Requirements must be completed in addition to the page 1 requirements

Requirement	Course	SCH	Semester	Grade
Intro to CE	CE 1301	1	1	
CE Measurements	CE 2103	3	2	
CAD	CE 2313	3	3	
Environmental Engineering	CE 2633	3	4	
Mechanics of solids	CE 3103	3	4	
Structural analysis	CE 3113	3	5	
Numerical methods	CE 3173	3	5	
Reinforced Concrete or Steel Design		3	6	
Highway or Foundation Engineering		3	7	
Materials	CE 3243	3	5	
Geotechnical Engineering	CE 3413	3	6	
Fluid Mechanics	CE 3603	3	5	
Design	CE 4543	3	7	
Water Resources or Water & wastewater		3	7	
Design II	CE 4813	3	8	
Technical Communication	EGR 1403	3	2	
Statics	EGR 2103	3	3	
Multivariable Calculus	EGR 2313	3	3	
Dynamics	EGR 2513	3	4	
Engineering Economics	EGR 3713	3	6	
Probability & Statistics	STA 2303	3	3	
Data analysis & visualization (also as core)	CS 1173	3	1	
Intro Microeconomics (also listed under core)	ECO 2023	3	4	
CE Tech Electives		3	7	
CE Tech Electives		3	8	
CE Tech Electives		3	8	
Life & Physical Sciences		3	5	

Suggested Semester

1 2 3 4 5 6 7 8

CE Recommended Degree Plan



EXPERIENTIAL LEARNING MAP | ENGINEERING



Use this map to plan and integrate your academic and cocurricular experiences during your time at UTSA.

MAJORS BIOMEDICAL ENGINEERING | CHEMICAL ENGINEERING | CIVIL ENGINEERING | COMPUTER ENGINEERING | CONSTRUCTION SCIENCE AND MANAGEMENT | ELECTRICAL ENGINEERING | MECHANICAL ENGINEERING

	FIRST YEAR	MIDDLE YEARS	LAST YEAR	
THE UTSA STUDENT EXPERIENCE	LEARNING THROUGH Industry - Review What Can I Do With This Major - Attend UTSA Career Expos to learn about companies - Attend WIN Wednesday and Thrive Thursday events	- Attend a UTSA Career Expo to look for an internship - Engage in undergraduate research opportunities - Create LinkedIn and Indeed Profiles - Attend Construction Science Management (CSM) Career Fair to look for internship - Apply for an internship	- Review Industry Reports for career outcome data - Review SeekUT for salary data - Attend in-person and virtual career expos to search for full-time job - Attend Construction Science Management (CSM) Career Fair to search for full-time job	Academic Success Checklist ☐ Attend tutoring ☐ Attend coding workshops ☐ FE Exam Review Sessions ☐ TA & Faculty Office Hours ☐ Student org. tutoring and study hours
	LEARNING IN Community - Join academic, social, or service student organization(s) - Conduct informational interviews with upperclassmen in interesting majors - Go to CAREER-A-PALUTSA - Attend Tech Symposium	- Conduct informational interview(s) with alumni in Roadrunner Network - Apply for leadership roles in student organizations - Attend company site visits - Apply for Ambassador Program	- Apply to join the UCC Student Advisory Board - Attend CAREER-A-PALUTSA in Spring - Lead on major collaborative events (e.g., Engineering Week, BBQ, Pumpkin Smash)	Career Development Checklist ☐ Take Career Assessment ☐ Professional headshot in Jrns Booth ☐ Create Handshake profile ☐ Create a Roadrunner Network profile ☐ Upload resume into VMock ☐ Explore RowdyLink to discover events, programs, and organizations on campus ☐ Fulfill Klesse College Signature Experience requirement
	LEARNING THROUGH Technology - Create Handshake Profile to find work-study/non-work study positions - Join coding workshop Blackboard Courses - Download relevant softwares (AutoCAD, C++, etc)	- Utilize VMock to improve your resume - Utilize VMock for elevator pitch/interview - Utilize VMock to evaluate LinkedIn profile Adobe Creative Skills Series for added credentials - Grow with Google for added credentials	- Update LinkedIn profile for job search - Utilize VMock to update resume for job search - Utilize LinkedIn Learning to upskill - Practice interview on Interviewing.com	
	LEARNING WITH Initiative - Attend workshops for marketable skills - Attend Diversity in the Workplace series - Attend student organization professional workshops	- Attend pre- and post-career expo workshops - Enter Civic and Social Experience (C.A.S.E.) Challenge - Create a LinkedIn profile - Apply to be a Tutor	- Take the lead in a group project - Enter Big Rowdy Idea and/or Draper Competition - Enter the Roadrunner Experience Showcase	

CAREER INFORMATION

What marketable skills do employers want?

- Career & Self Development
- Communication
- Critical Thinking
- Equity & Inclusion
- Leadership
- Professionalism
- Teamwork
- Technology

What careers can I pursue?*

- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Construction Management
- Electrical Engineering
- Mechanical Engineering

NOTE: Resources are in a recommended timeframe but can be used throughout your college journey

* If considering a career in the health professions field, visit the [Health Professions Office](#); If considering a career in the legal field, visit the [Institute for Law and Public Affairs](#)

UTSA policies

- Student Policies: <https://www.utsa.edu/hop/chapter5/>
<https://catalog.utsa.edu/policies/generalacademicregulations/>
- Attendance
 - Students should attend and participate in all scheduled class meetings unless otherwise stated in the instructor's syllabus or the absence meets the following criteria and missed assignments are completed by instructor-designated deadlines
 - For religious observances, notify the instructor no later than the 15th day of the semester and prior to the absence
 - For military service, provide a copy of military orders to each instructor
 - For participation in an official university function, notify instructors ahead of time
 - For illness or extenuating circumstances, notify instructors
 - Outside employment is NOT qualifying criteria excuse absences or missed assignments
- 6 Drop Policy
 - Students can drop ("W") up to 6 courses
 - Courses dropped at other public, state institutions count toward the 6 Drops
- Repeated Course
 - Students who receive a "D+" or lower can repeat up to 4 classes, 1 time for a better grade
 - Courses will always show up on transcript and will be counted if the student transfer schools or applies for graduate school, only affects UTSA GPA
- 30 extra hour policy
 - Student tuition is subsidized by the state. The state allows students to go over their allotted degree plan by 30 hours. After 30 hours, students are required to pay for the full amount. Currently, \$540 per credit hour.
- 3 Attempt
 - Students must successfully complete any math/science/engineering course within 3 attempts or the student will be exited from the College of Engineering
 - Students will be charged an additional fee (\$540/SCH) to enroll in the same course for a 3rd time.
 - A "W" withdrawal grade counts as an attempt
 - **Gateway classes**
 - Student must complete these classes within **two** attempts or change major
 - CE Gateway Classes:
 - EGR 3423 (Ordinary and Partial Differential Equations for Engineers)
 - MAT 1213 (Calculus I)
- Probation <https://catalog.utsa.edu/policies/generalacademicregulations/academicstanding/>
 - Undergrads whose overall GPA falls below 2.0 are placed on academic probation. (If eligible, $1.0 < \text{GPA} < 2.0$ after first semester may get an academic warning.) You will have limitations on enrollment and must see advising. Failure to improve your GPA can lead to dismissal.
- C- or better policy
 - Students must receive a "C-" or better in any math/science/engineering course or the course has to be repeated (all courses with the prefix CHE, PHY, MAT, ECO, EGR, CE and WRC 1013)
- Important Dates
 - Some dates are included on the calendar, but additional dates of interest can be found
 - on the UTSA registrar website: <https://onestop.utsa.edu/calendar/>
 - From organizations
 - From KCEID Student Success Center Klesse Weekly Update emails

August 2026

M	T	W	Th	F	S	S
					1	2
3	4	5	6	7	8	9 Financial aid starts to disburse
10 Late Registration Starts	11	12	13	14	15	16
17 last day to get on a waitlist	18	19 First day of class	20	21	22	23
24	25	26	27 Deadline to add a class	28	29	30
31						

Tuition payment deadline: Make payment arrangements by 5pm on 8/19 or you will incur a \$100 late fee

Waitlisting: Action is required to secure a spot. Registration from a waitlist is not automatic. Check your email daily; if you receive a notification, you will have to log into myUTSA Account and register within 24 hours or lose your position on the waitlist, or if during late registration, you must register within 12 hours. <https://onestop.utsa.edu/registration/waitlisting/>

September 2026

M	T	W	Th	F	S	S
	1	2	3 census date	4	5	6
7 Labor Day No classes	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Census date and payment deadline, 5 p.m. Students who are still unpaid will be removed from their classes.

Last day to drop or withdraw without a grade.

Last day to drop an individual course and receive a 100% refund. No refunds are given for dropping an individual course after this date.

October 2026

M	T	W	Th	F	S	S
			1	2	3	4
5	6	7	8 Midterm grades post	9	10	11
12 Fall Break	13 Fall Break	14	15	16	17	18
19	20	21	22	23 drop deadline	24	25
26	27	28	29	30	31	

Registration: Register for spring classes in your myUTSA Account. You will have a specified timeframe. Veterans and honors college may register in October, most freshmen will register in November. <https://onestop.utsa.edu/resources/calendar-pdfs/>

Check your registration status: Log into myUTSA Account to check your current classification and earned credit hours (click on “Student Services”, then “Registration”, then “Select Term”, then “Check Registration Status”) Check your holds and prerequisites. Certain holds and prerequisites can prevent registration, so it is highly recommended that students address any holds or prerequisite overrides they have or need prior to their registration timeframe.

November 2026

M	T	W	Th	F	S	S
						1
2	3	4	5	6	7	8
9	10 Freshmen registration	11 Course Evals open	12	13	14	15
16	17	18	19	20	21	22
23	24 course eval deadline tomorrow 8am	25 No class, but offices open	26 Thanksgiving	27 Thanksgiving	28	29
30						

Registration: Register for spring classes in your myUTSA Account.

December 2026

M	T	W	Th	F	S	S
	1	2	3 Last day of classes	4 Study day (no class)	5	6
7	8	9	10	11	12	13
Final Exams						
14	15 Grades post at 5pm	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Final Exams Dec 7-11 <https://onestop.utsa.edu/resources/calendar-pdfs/>

January 2027

M	T	W	Th	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18 MLK holiday	19 Classes start	20	21	22	23	24
25	26	27	28	29	30	31

Tuition payment deadline: Make payment arrangements or you will incur a \$100 late fee

Waitlisting: Action is required to secure a spot. Registration from a waitlist is not automatic. Check your email daily; if you receive a notification, you will have to log into myUTSA Account and register within 24 hours or lose your position on the waitlist, or if during late registration, you must register within 12 hours. <https://onestop.utsa.edu/registration/waitlisting/>

February 2027

M	T	W	Th	F	S	S
1	2	3 Census Date	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Census date and payment deadline, 5 p.m. Students who are still unpaid will be removed from their classes.

Last day to drop or withdraw without a grade.

Last day to drop an individual course and receive a 100% refund. No refunds are given for dropping an individual course after this date.

March 2027

M	T	W	Th	F	S	S
1	2	3	4	5	6	7
8 Spring Break	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Registration: Register for spring classes in your myUTSA Account. You will have a specified timeframe. Veterans and honors college may register in March, most students will register in April. <https://onestop.utsa.edu/resources/calendar-pdfs/>

Check your registration status: Log into myUTSA Account to check your current classification and earned credit hours (click on “Student Services”, then “Registration”, then “Select Term”, then “Check Registration Status”) Check your holds and prerequisites. Certain holds and prerequisites can prevent registration, so it is highly recommended that students address any holds or prerequisite overrides they have or need prior to their registration timeframe.

April 2027

M	T	W	Th	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Registration: Register for fall classes in your *myUTSA* Account. You will have a specified timeframe.

May 2027

M	T	W	Th	F	S	S
					1	2
3	4	5	6	7 Study Day	8	9
10	11	12	13	14	15	16
Final Exams						
17	18 Grades post	19	20	21	22	23
24	25	26	27	28	29	30
31	June 1: Summer School starts					

View Final Exam Schedules here: <https://onestop.utsa.edu/resources/calendar-pdfs/>

College Study Guidelines

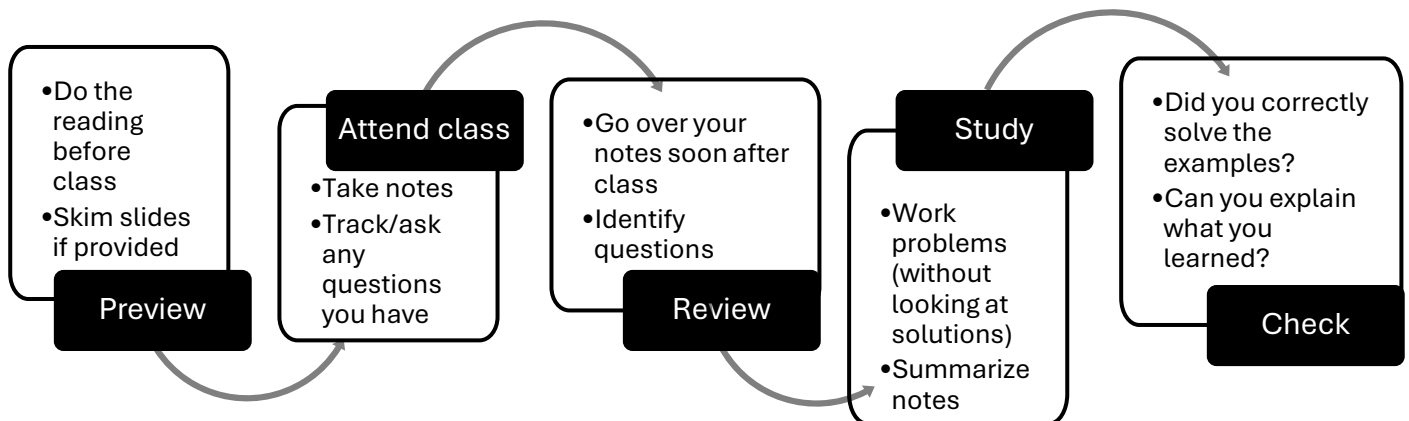
Use the weekly schedule pages to plan out how you will spend your time each week. The general rule for university courses is that for each credit hour of coursework, you should spend 3-4 hours per week on the course, or at least twice as much time outside class as in class. An Example of weekly time for 1 class worth 3 SCH (semester credit hours)

	M	Tu	W	Th	F	Sat	Sun	
In class:		1.5 hours		1.5 hours				3 hours
Outside of class		1.5 hours	1.5 hours	1.5 hours		1.5 hours		6 hours

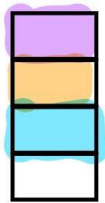
When you make your weekly schedule, you should identify when you have class, work, practice, club meetings, and any other regular obligations. Then fill in study times. Try to schedule a block of study time shortly after class and give yourself time to finish assignments before their typical due dates. Don't forget time for things like eating, cleaning, and socializing.

You can see an example weekly schedule on the opposite page.

In terms of what to do during the study hours, learning is most successful when you follow the steps below.



You should also track which classes your friends/fellow students are in with you so that you can study together. They can also be helpful if you need notes for a class you were unable to attend. The contacts pages here include space to write which classes you share.



Classes
Meetings
Study Time

Weekly Schedule

	M	T	W	Th	F	Sat	Sun
8am	 BREAKFAST		 BREAKFAST		 BREAKFAST		
9am	CHE 1103	 BREAKFAST	CHE 1103	 BREAKFAST	CHE 1103		
10am	CHE	WRC 1013	CHE	WRC 1013	CHE	ALS	
11am	ALS 1243	Lunch Break 	ALS 1243	Lunch Break 	CE 1301 MH 2.01.32		
Noon	Lunch Break 	WRC	WIN Wednesdays	WRC	Lunch Break 	 LUNCH	 LUNCH
1pm	MAT 1213	CS 1173	MAT 1213	CS 1173	MAT 1213	CHE	WRC
2pm	MAT	CS	MAT	CS	MAT	nap	
3pm	 SNACKS	 COFFEE BREAK	 COFFEE BREAK		 SNACKS	CS	ALS
4pm	ALS	MAT	ALS	MAT 1213  STUDY GROUP	CE		
5pm							Clean 
6pm		ASCE meetings w/ food					Laundry 
7pm	CS	mingie w/ friends	WRC	CHE			
8pm		CE			 LAB		

Classes

Meetings

Study Time

Weekly Schedule

	M	T	W	Th	F	Sat	Sun
8am							
9am							
10am							
11am					CE 1301 EB 2.04.06		
Noon							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							

Classes

Meetings

Study Time

Weekly Schedule

	M	T	W	Th	F	Sat	Sun
8am							
9am							
10am							
11am							
Noon							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							

Classes

Meetings

Study Time

Weekly Schedule

	M	T	W	Th	F	Sat	Sun
8am							
9am							
10am							
11am							
Noon							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							

Semester at a Glance

M	T	W	Th	F	Sa	Su	
17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	
		Class starts					
24-Aug	25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	
31-Aug	1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	
			census				
7-Sep Labor Day	8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	
14-Sep	15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	
21-Sep	22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	
28-Sep	29-Sep	30-Sep	1-Oct	2-Oct	3-Oct	4-Oct	
5-Oct	6-Oct	7-Oct	8-Oct	9-Oct	10-Oct	11-Oct	
			MT grades post				
12-Oct Fall Break	13-Oct	14-Oct	15-Oct	16-Oct	17-Oct	18-Oct	
19-Oct	20-Oct	21-Oct	22-Oct	23-Oct	24-Oct	25-Oct	
26-Oct	27-Oct	28-Oct	29-Oct	30-Oct	31-Oct	1-Nov	
2-Nov	3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	
9-Nov	10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	Course evals
16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	11/11- 11/25
23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	
		Thanksgiving Break					
30-Nov	1-Dec	2-Dec	3-Dec	4-Dec	5-Dec	6-Dec	
		last day of class		study day			
7-Dec	8-Dec	9-Dec	10-Dec	11-Dec	12-Dec	13-Dec	Final exams
14-Dec	15-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	
	Grades post 5pm						
21-Dec	22-Dec	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec	

Assignment Tracker

[illegible]

Assignment Tracker

[illegible]

Assignment Tracker

[illegible]

Assignment Tracker

[illegible]

Course Intro to Civil Engineering

Course # CE 1301 SCH 1

☐ Core
☒ Major

Time: 11:00 - 11:50 a m

M T W Th **F**

Room EB 2.04.06

Professor Dr. Brown

e-mail Kristen.Brown2@utsa.edu

Office Location BSE 1.306

12:15-1pm

M T W Th **F**

Student Hours 2-3pm

M **T** W Th F

	#	drop	Weight (%)	Target grade	Current Grade
iClicker/attendance	12	1	6		
Homework	6	1	40		
Projects	4	0	43		
Final Exam	1	0	11		
Extra Credit					
Grade Cut Points					
A A- B+ B B- C+ C C- D+ D D- F					
93 90 87 83 80 77 73 70 67 63 60					

Attendance

allowed absences 1

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
9/2	HW 1	
9/16	HW 2	
9/16	HW 3	
9/23	HW 4	
10/14	HW 5	
10/21	HW 6	

Projects

Due	Description	Grade
10/7	Report	
11/4	Degree Plan	
11/11	Bridge Design	
11/13	Bridge IN CLASS	

Exams

Date	Content	Grade
11/20	Final exam-cumulative IN CLASS	

Course _____

Course # _____ SCH _____ ☐ Core
☐ Major

Time: ____:____ - ____:____ __m

M	T	W	Th	F
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Room _____

Professor Dr. _____

e-mail _____@utsa.edu

Office Location _____

Student Hours _____

M	T	W	Th	F
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	#	drop	Weight (%)	Target grade	Current Grade
Exams					
Homework					
Grade Cut Points A A- B+ B B- C+ C C- D+ D D- F					

Attendance _____ allowed absences _____

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
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Due	Description	Grade
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Exams

Date	Content	Grade
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Course _____

Course # _____ SCH _____ ☐ Core
☐ Major

Time: ____:____ - ____:____ __m

M	T	W	Th	F
---	---	---	----	---

Room _____

Professor Dr. _____

e-mail _____@utsa.edu

Office Location _____

Student Hours _____

M	T	W	Th	F
---	---	---	----	---

	#	drop	Weight (%)	Target grade	Current Grade
Exams					
Homework					
Grade Cut Points A A- B+ B B- C+ C C- D+ D D- F					

Attendance _____ allowed absences _____

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
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Due	Description	Grade
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Exams

Date	Content	Grade
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Course _____

Course # _____ SCH _____ ☐ Core
☐ Major

Time: ____:____ - ____:____ __m

M	T	W	Th	F
---	---	---	----	---

Room _____

Professor Dr. _____

e-mail _____@utsa.edu

Office Location _____

Student Hours _____

M	T	W	Th	F
---	---	---	----	---

	#	drop	Weight (%)	Target grade	Current Grade
Exams					
Homework					
Grade Cut Points A A- B+ B B- C+ C C- D+ D D- F					

Attendance _____ allowed absences _____

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
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Due	Description	Grade
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Exams

Date	Content	Grade
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Course _____

Course # _____ SCH _____ ☐ Core
☐ Major

Time: ____:____ - ____:____ __m

M	T	W	Th	F
---	---	---	----	---

Room _____

Professor Dr. _____

e-mail _____@utsa.edu

Office Location _____

Student Hours _____

M	T	W	Th	F
---	---	---	----	---

	#	drop	Weight (%)	Target grade	Current Grade
Exams					
Homework					
Grade Cut Points A A- B+ B B- C+ C C- D+ D D- F					

Attendance _____ allowed absences _____

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
-----	-------------	-------

Due	Description	Grade
-----	-------------	-------

Exams

Date	Content	Grade
------	---------	-------

Course _____

Course # _____ SCH _____ ☐ Core
☐ Major

Time: ____:____ - ____:____ __m

M	T	W	Th	F
---	---	---	----	---

Room _____

Professor Dr. _____

e-mail _____@utsa.edu

Office Location _____

Student Hours _____

M	T	W	Th	F
---	---	---	----	---

	#	drop	Weight (%)	Target grade	Current Grade
Exams					
Homework					
Grade Cut Points A A- B+ B B- C+ C C- D+ D D- F					

Attendance _____ allowed absences _____

Date Missed	Plan to get notes and makeup work	Excused Allowed

Homework

Due	Description	Grade
-----	-------------	-------

Due	Description	Grade
-----	-------------	-------

Exams

Date	Content	Grade
------	---------	-------

Group Project

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

[illegible]

Group Project

Name: _____

Role: _____

Contact:_____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

Name: _____

Role: _____

Contact: _____

[illegible]

Contacts

Campus Safety:

4-911 Emergency
4242 Security Escort
210-458-4242 non-emergency police

RA/leasing:

Roommates:
















Shared Classes:




Shared Classes:




Shared Classes:

Contacts




Shared Classes:




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Contacts




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Shared Classes:

Reference Information

Units and Conversion Factors

Multiply	By	To Obtain	Multiply	By	To Obtain
acre	43,560	square feet (ft ²)	joule (J)	9.478×10^{-4}	Btu
ampere-hr (A-hr)	3,600	coulomb (C)	J	0.7376	ft-lbf
ångström (Å)	1×10^{-10}	meter (m)	J	1	newton-m (N-m)
atmosphere (atm)	76.0	cm, mercury (Hg)	J/s	1	watt (W)
atm, std	29.92	in., mercury (Hg)			
atm, std	14.70	lb/in ² abs (psia)	kilogram (kg)	2.205	pound-mass (lbm)
atm, std	33.90	ft, water	kgf	9.8066	newton (N)
atm, std	1.013×10^5	pascal (Pa)	kilometer (km)	3,281	feet (ft)
bar	1×10^5	Pa	km/hr	0.621	mph
bar	0.987	atm	kilopascal (kPa)	0.145	lb/in ² (psi)
barrels-oil	42	gallons-oil	kilowatt (kW)	1.341	horsepower (hp)
Btu	1,055	joule (J)	kW	3,413	Btu/hr
Btu	2.928×10^{-4}	kilowatt-hr (kWh)	kW	737.6	(ft-lbf)/sec
Btu	778	ft-lbf	kW-hour (kWh)	3,413	Btu
Btu/hr	3.930×10^{-4}	horsepower (hp)	kWh	1.341	hp-hr
Btu/hr	0.293	watt (W)	kWh	3.6×10^6	joule (J)
Btu/hr	0.216	ft-lbf/sec	kip (K)	1,000	lbf
			K	4,448	newton (N)
calorie (g-cal)	3.968×10^{-3}	Btu	liter (L)	61.02	in ³
cal	1.560×10^{-6}	hp-hr	L	0.264	gal (U.S. Liq)
cal	4.184	joule (J)	L	10^{-3}	m ³
cal/sec	4.184	watt (W)	L/second (L/s)	2.119	ft ³ /min (cfm)
centimeter (cm)	3.281×10^{-2}	foot (ft)	L/s	15.85	gal (U.S.)/min (gpm)
cm	0.394	inch (in)			
centipoise (cP)	0.001	pascal-sec (Pa-s)	meter (m)	3.281	feet (ft)
centipoise (cP)	1	g/(m-s)	m	1.094	yard
centipoise (cP)	2.419	lbm/hr-ft	m/second (m/s)	196.8	feet/min (ft/min)
centistoke (cSt)	1×10^{-6}	m ² /sec (m ² /s)	mile (statute)	5,280	feet (ft)
cubic feet/second (cfs)	0.646317	million gallons/day (MGD)	mile (statute)	1.609	kilometer (km)
cubic foot (ft ³)	7.481	gallon	mile/hour (mph)	88.0	ft/min (fpm)
cubic meters (m ³)	1,000	liters	mph	1.609	km/h
			mm of Hg	1.316×10^{-3}	atm
electronvolt (eV)	1.602×10^{-19}	joule (J)	mm of H ₂ O	9.678×10^{-5}	atm
foot (ft)	30.48	cm			
ft	0.3048	meter (m)	newton (N)	0.225	lbf
ft of H ₂ O	0.4332	psi	newton (N)	1	kg-m/s ²
ft-pound (ft-lbf)	1.285×10^{-3}	Btu	N-m	0.7376	ft-lbf
ft-lbf	3.766×10^{-7}	kilowatt-hr (kWh)	N-m	1	joule (J)
ft-lbf	0.324	calorie (g-cal)			
ft-lbf	1.356	joule (J)	pascal (Pa)	9.869×10^{-6}	atmosphere (atm)
ft-lbf/sec	1.818×10^{-3}	horsepower (hp)	Pa	1	newton/m ² (N/m ²)
			Pa-sec (Pa-s)	10	poise (P)
gallon (U.S. Liq)	3.785	liter (L)	pound (lbm, avdp)	0.454	kilogram (kg)
gallon (U.S. Liq)	0.134	ft ³	lbf	4.448	N
gallons of water	8.3453	pounds of water	lbf-ft	1.356	N-m
gamma (γ, Γ)	1×10^{-9}	tesla (T)	lb/in ² (psi)	0.068	atm
gauss	1×10^{-4}	T	psi	2.307	ft of H ₂ O
gram (g)	2.205×10^{-3}	pound (lbm)	psi	2.036	in. of Hg
			psi	6.895	Pa
hectare	1×10^4	square meters (m ²)			
hectare	2.47104	acres	radian (rad)	$180/\pi$	degree
horsepower (hp)	42.4	Btu/min	slug	32.174	pound-mass (lbm)
hp	745.7	watt (W)	stokes	1×10^{-4}	m ² /s
hp	33,000	(ft-lbf)/min			
hp	550	(ft-lbf)/sec	tesla	1,000	weber/m ²
hp-hr	2,545	Btu	therm	1×10^5	Btu
hp-hr	1.98×10^6	ft-lbf	ton (metric)	1,000	kilogram (kg)
hp-hr	2.68×10^6	joule (J)	ton (short)	2,000	pound-force (lbf)
hp-hr	0.746	kWh			
inch (in.)	2.540	centimeter (cm)	watt (W)	3.413	Btu/hr
in. of Hg	0.0334	atm	W	1.341×10^{-3}	horsepower (hp)
in. of Hg	13.60	in. of H ₂ O	W	1	joule/s (J/s)
in. of H ₂ O	0.0361	lb/in ² (psi)	weber/m ² (Wb/m ²)	10,000	gauss
in. of H ₂ O	0.002458	atm			

METRIC PREFIXES			COMMONLY USED EQUIVALENTS	
Multiple	Prefix	Symbol		
10^{-18}	atto	a	1 gallon of water weighs	8.34 lbf
10^{-15}	femto	f	1 cubic foot of water weighs	62.4 lbf
10^{-12}	pico	p	1 cubic inch of mercury weighs	0.491 lbf
10^{-9}	nano	n	The mass of 1 cubic meter of water is	1,000 kilograms
10^{-6}	micro	μ	1 mg/L is	8.34×10^{-6} lbf/gal
10^{-3}	milli	m	TEMPERATURE CONVERSIONS	
10^{-2}	centi	c		
10^{-1}	deci	d	$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32$ $^{\circ}\text{C} = (^{\circ}\text{F} - 32)/1.8$ $^{\circ}\text{R} = ^{\circ}\text{F} + 459.69$ $\text{K} = ^{\circ}\text{C} + 273.15$	
10^1	deka	da		
10^2	hecto	h		
10^3	kilo	k		
10^6	mega	M		
10^9	giga	G		
10^{12}	tera	T		
10^{15}	peta	P		
10^{18}	exa	E		

Fundamental Units

Dimension	Unit	Symbol
length	meter	m
mass	kilogram	kg
time	second	s
current	ampere	A
temperature	kelvin	K
amount	mole	mol
Light intensity	candela	cd

Significant Figures

Significant figures of numbers in math operations will determine the accuracy of the result. General rules for significant digits are:

- Rule 1: Non-zero digits are always significant.
- Rule 2: Any zeros between two significant digits are significant.
- Rule 3: All zeros in the decimal portion are significant.
- Rule 4 (Addition and Subtraction): The number used in the calculation with the least number of significant digits after the decimal point dictates the number of significant figures after the decimal point. The number with the most significant figures to the left of the decimal point dictates the number of significant digits to the left of decimal point.
- Rule 5 (Multiplication and Division): The result of the operation has the same number of significant digits as the input number with the least number of significant digits.
- Rule 6: In the solution of engineering problems, it is customary to retain 3–4 significant digits in the final result.

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