

*Welcome to Civil
Engineering and
Environmental Engineering
Aggie Orientation!*

Civil and Environmental Engineering | UC Davis

Introductions

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Civil and Environmental Engineering Peer Advisor



Today's AGENDA



- Civil and Environmental Engineering
 - Our Department
- Academic Advising in Engineering
 - Mandatory advising
 - Role of advisor vs role of the student
- Overview of the majors
- Opportunities

Department of Civil and Environmental Engineering



40+ Faculty Member

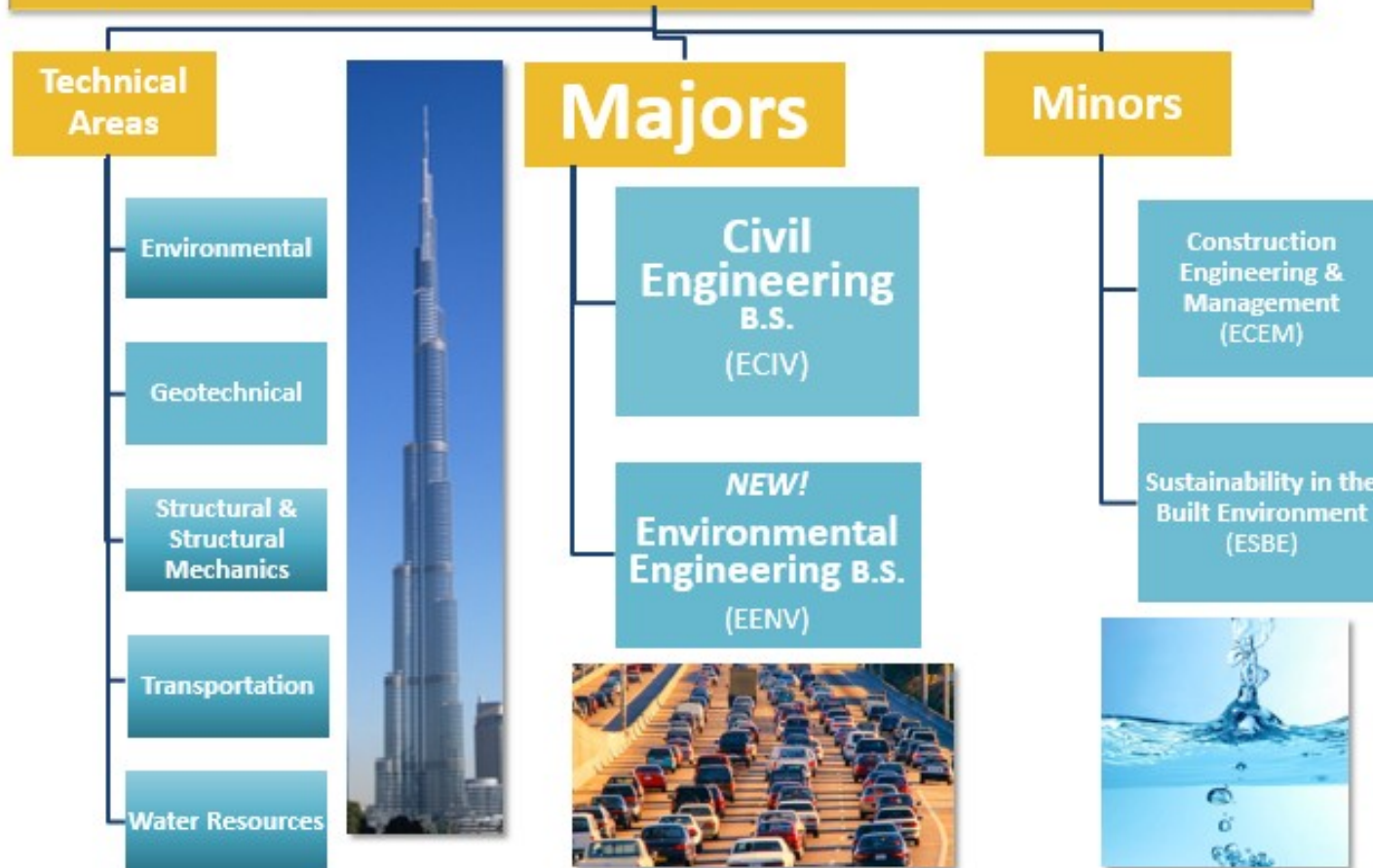
Over 500
Undergraduates

Over 250 Graduate
Students

1 ABET Accredited Major

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Department of Civil & Environmental Engineering (CEE)



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ANNUAL ADVISING

REQUIRED:

Schedule based on your time at UC Davis

1st year and transfer: Fall Quarter Hold (release by November 30)

4th (and up) year and 2nd year: Winter Quarter Hold (release by February 28)

3rd year: Spring Quarter Hold (release by May 31)

Failure to release your hold by the deadline will result in the inability to make any changes to your schedule!

RELEASING YOUR ADVISING HOLD

3 Steps:

1. Create a 3 Quarter Academic Plan
2. Make an appointment using the appointment system to meet with an Advisor
3. Ask Questions!!

Appointment System

Advising Appointment System

Good Afternoon, Rachel
Friday, June 1, 2018

UC DAVIS

Welcome to the Advising Appointment System



Who would you like an appointment with?

My Offices

Asian American Studies - ASA

Letters & Science Dean's Office

Statistics

Offices by College/Major/Minor

Choose an office...

All Offices

Choose an office...

Link:

appointments.ucdavis.edu

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Student and Advisor Responsibilities

Advisors:

- Listen carefully and create inclusive and confidential environment
- Help connect students to campus resources/services
- Help create academic plans, understand degree requirements/curriculum, campus policies, and petition processes
- Help develop and adopt successful behaviors, habits and attitudes
- Help explore and set goals (and stay motivated, too!)

Students:

- Take ownership of education
- Regularly utilize online academic tools
- Prepare for advising meetings ahead of time by creating academic plan and answering any preparatory questions
- Ask for help when you need it, show initiative and make use of campus resources
- Explore, reflect on, and identify current educational, career and life goals

Civil Engineering

The design, construction, and maintenance of the physical and naturally built environment.

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Structure of Civil Engineering Major (ECIV)

Lower Division : 74 units

Upper Division: 64-70 units

General Education: 8-25 units

First Year (0-44.9 units)				<u>Example Schedule</u>		Sophomore (45-89.9 units)			
<i>Fall</i>		<i>Winter</i>		<i>Spring</i>		<i>Fall</i>		<i>Winter</i>	
MAT 21A	4	MAT 21B	4	MAT 21C	4	MAT 21D	4	MAT 22A (22A Lab)3(1)	
English Elective	4	CHE 2A	5	PHY 9A	5	PHY 9B	5	PHY 9C	5
ECI 3	4	GE Elective	<u>4</u>	CHE 2B	<u>5</u>	GE Elective	4	GE Elective	4
GE Elective	<u>4</u>		13		<u>14</u>	ENG 6 or ECS 32A	<u>4</u>	ECI 16	<u>2</u>
	16						17		14(15)
						<i>Spring</i>			
						MAT 22B		MAT 22B	3
						CMN 1 or 3 or ENG 3		CMN 1 or 3 or ENG 3	4
						ENG 35		ENG 35	4
						Phy/Bio Elective		Phy/Bio Elective	<u>5</u>
									16

Environmental Engineering

Solving modern and evolving problems of clean air and water at global, regional and local levels.



Structure of Environmental Engineering Major (EENV)

Lower Division : 70-71 units

Upper Division: 60-64 units

General Education: 17-21 units

First Year (0-44.9 units)				<u>Example Schedule</u>		Sophomore (45-89.9 units)					
<i>Fall</i>		<i>Winter</i>		<i>Spring</i>		<i>Fall</i>		<i>Winter</i>		<i>Spring</i>	
MAT 21A	4	MAT 21B	4	MAT 21C	4	MAT 21D	4	MAT 22A (22A Lab)3(1)		MAT 22B	3
CHE 2A	5	CHE 2B	5	PHY 9A	5	PHY 9B	5	GEL 50/50L or ATM 604-5		ENG 35	4
ECI 3	<u>4</u>	ENL Comp	4	CHE 8A	2	ECI 40	4	GE Elective	4	URE Elective	2
	13	GE Elective	<u>4</u>	GE Elective	<u>4</u>	ECS 32A or ENG 6	<u>4</u>	ECI 16	<u>2</u>	GE Elective	<u>2</u>
			17		15		17		14-15		14

Structure of ECIV & EENV Double Major

Lower Division : 80 units
 Upper Division: 80-85 units
 General Education: 6-17 units

First Year (0-44.9 units)				<u>Example Schedule</u>		Sophomore (45-89.9 units)					
<i>Fall</i>		<i>Winter</i>		<i>Spring</i>		<i>Fall</i>		<i>Winter</i>		<i>Spring</i>	
MAT 21A	4	MAT 21B	4	MAT 21C	4	MAT 21D	4	MAT 22A (22A Lab)3(1)		MAT 22B	3
CHE 2A	5	CHE 2B	5	PHY 9A	5	PHY 9B	5	GEL 50/50L	5	ENG 35	4
ECI 3	<u>4</u>	ENL Comp	4	CHE 8A	2	ECI 40	4	PHY 9C	5	GE Elective	4
	13	GE Elective	<u>4</u>	GE Elective	<u>4</u>	ENG 6 or ECS 32A	<u>4</u>	ECI 16	<u>2</u>	CMN 1/3 or ENG 3	<u>4</u>
			17		15		17		15-16		15

General Education Requirements*

- **Topical Breadth:** Arts & Humanities and Social Science ONLY
- **Cores Literacies:** Civic & Cultural Literacy ONLY (*OL/WE & VL in EENV Major*)
- *Cannot* be satisfied with AP or IB credit
- Up to 16 units of General Education Coursework outside of CoE can be taken P/NP (*some exceptions apply*). **Cannot** take P/NP GE courses 1st quarter (subject to change)

***As it relates to Civil Engineering and Environmental Engineering students ONLY**

Course Registration Timeline



Opportunities

- Undergraduate Research Center (URC)
- Internship and Career Center (ICC)
- Student Activities and Organizations (ASCE, EWB, SWE, cultural organizations, non-engineering clubs)
- Study Abroad

Student Startup Center

1122 & 1124 Bainer Hall

Virtual Fall Quarter: startup.ucdavis.edu

Mission: Helping All UC Davis Students Start
their Ventures

Student Startup Resources

Immerse yourself in the startup world by coming to our discussion events:

Pitches & Popcorn - Come watch some startup pitches and eat popcorn! Discuss what makes a effective pitch deck.

Mentor Visits - Each week, we bring in a mentor active in the startup world to come talk about their experiences

Student Startup Classes

ENG 8- Introduction to Entrepreneurship (Fall, Winter, Spring)

ENG 80- Launching a Business (Fall, Winter, Spring)

ENG 198- Hacking for Defense (Fall)

Student Startup-Makerspace

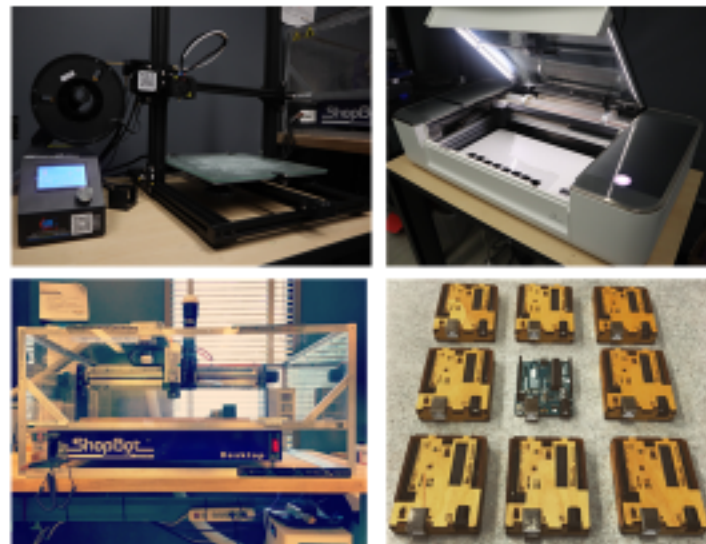
- **Learn, Design, and Prototype with our Makerspace!**
Free for all students to use

- **Equipment**

- CAD Software
- 3D Printers
- CNC Router
- Laser Cutter/Engraver
- Arduino Microcontrollers
- Soldering kit

- **Equipment Training**

- Our quarterly workshops will teach you how to use all of our equipment
- If you want more detail about how something works, come in during our open hours and our student managers will help you out!



More info: <https://startup.ucdavis.edu/makerspace-equipment>

Student Startup- Stay Connected

Follow on IG: @ucdssc

Join Slack Workspace bit.ly/ssc-join

American Society of Civil Engineers (ASCE)

Members have access to:

- Civil Engineering Career Fair
- Info sessions & guest speaker events
- Social events
- Intramural sports teams
- Job site & company tours
- Resume workshops
- Community Service events
- Mentorship program with Professionals
- Project team involvement
- Free food!!



<http://asceucdavis.weebly.com/>

American Society of Civil Engineers (ASCE)

Competing Project teams:

- Steel Bridge
- Concrete Canoe
- Environmental Project
- Geowall
- Construction Management



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Find us on Social Media:

Facebook: @ucdcee

Instagram: @ucdaviscee

Twitter: @ucdaviscee

LinkedIn: CEE UC Davis

Slack: ucdaviscee.slack.com



QUESTIONS?

If you have a question later, email us at:
civiladvising@ucdavis.edu