# Welcome to Civil Engineering and Environmental Engineering Aggie Orientation!

### 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

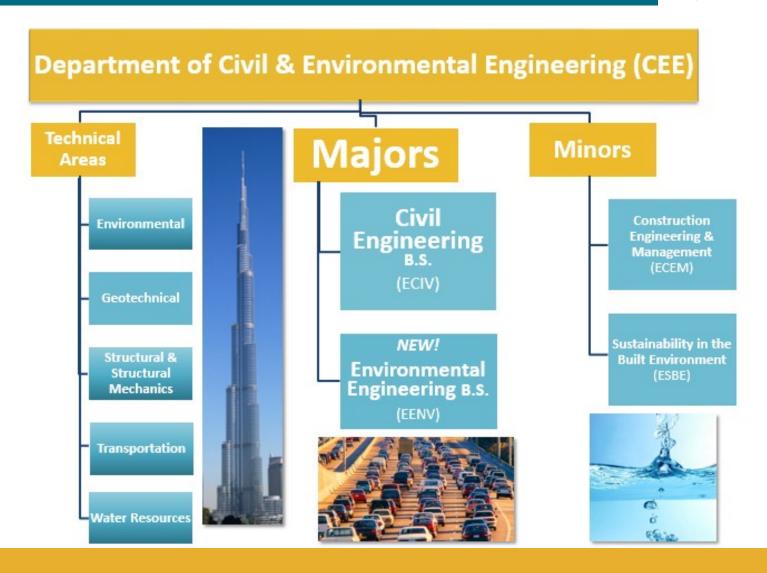


40+ Faculty Member

Over 500 Undergraduates

Over 250Graduate Students

1 ABET Accredited Major



Civil and Environmental Engineering | UCDavis

## ANNUALADVISING

### REQUIRED:

Schedule based on your time at UC Davis

1<sup>st</sup> year and transfer: Fall Quarter Hold (release by November 30)
 4<sup>th</sup> (and up) year and 2<sup>nd</sup> year: Winter Quarter Hold (release by February 28)
 3<sup>rd</sup> 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

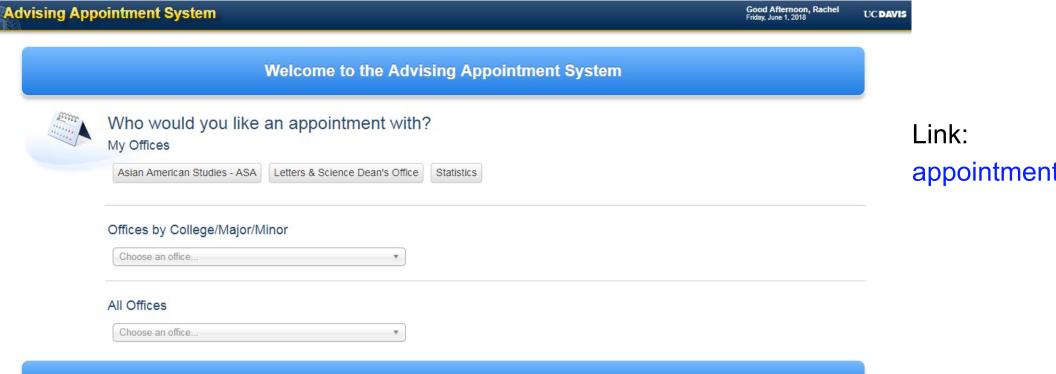
1. Create a 3 Quarter Academic Plan

3 Steps:

2. Make an appointment using the appointment system to meet with an Advisor

3. Ask Questions!!

### Appointment System



Link: appointments.ucdavis.edu

# 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 utlize 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



# 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)			Example Schedule			Sophomore (45-89.9 units)						
Fall		Winter		Spring		11	Fall		Winter		Spring	
MAT 21A	4	MAT 21B	4	MAT 21C	4	- 11	MAT 21D	4	MAT 22A (22A L	ab)3(1)	MAT 22B	3
English Elective	4	CHE 2A	5	PHY 9A	5	- 11	PHY 9B	5	PHY 9C	5	CMN 1 or 3 or ENG 3	4
ECI 3	4	GE Elective	4	CHE 2B	_5	- 11	GE Elective	4	GE Elective	4	ENG 35	4
GE Elective	4		13		14	- 11	ENG 6 or ECS 32A	4	ECI 16	2	Phy/Bio Elective	5
	16					11		17		14(15)		16



## 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)				Example Schedule			Sophomore (45-89.9 units)			
Fall		Winter		Spring		11	Fall		Winter	Spring	
MAT 21A	4	MAT 21B	4	MAT 21C	4	- 11	MAT 21D	4	MAT 22A (22A Lab)3(1)	MAT 22B	3
CHE 2A	5	CHE 2B	5	PHY 9A	5	- 11	PHY 9B	5	GEL 50/50L or ATM 604-5	ENG 35	4
ECI 3	4	ENL Comp	4	CHE 8A	2	- 11	ECI 40	4	GE Elective 4	URE Elective	2
	13	GE Elective	4	GE Elective	4	- 11	ECS 32A or ENG 6	4	ECI 16 2	GE Elective	5
			17		15	1.1		17	14-15		14

# Structure of ECIV & EENV Double Major

Lower Division: 80 units

Upper Division: 80-85 units

General Education: 6-17 units

		Fir	st Year (0	)-44.9 units)	Exam	ple Schedule	Sopho	more	(45-89.9 units)	)		
Fall		Winter		Spring		11	Fall		Winter		Spring	
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	4	ENL Comp	4	CHE 8A	2		ECI 40	4	PHY 9C	5	GE Elective	4
	13	GE Elective	4	GE Elective	4		ENG 6 or ECS 32A	4	ECI 16	2	CMN 1/3 or ENG 3	4
			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

### General Education Requirement as of Fall 2020\*

CIVIL Eligineering							
		Breadth					
A. Arts & Humanities (AH):	B. Science & En	gineering (SE):	C. Seci ENG 106	. Social Sciences (SS): NG 106 4			
	Satisfied with		CMN 1", 3 or ENG 3 4				
			ECI 3	4 Req. for 1st & 2nd yrs.			
	Requirements		I——				
	- 1		I——				
	_		I —				
12-20 units	12-20 units	20	12-20 un	its			
□ Satisfied	□ Satisfied		□ Satisfic	ed			
(AH)units + (8E)	units + (SS)	units =(5	52) units	□ Satisfied			
	Core Li	teracies					
I. Literacy with Words	II. Civic & Cultural	III. Quantitative		IV. Scientific Literacy (SL) (3 units)			
& Images (20 units)	Literacy (9 units)	Literacy (QL units)	) (3				
a. College English	a. American Cultures,	ECI 114	4	ENG 106 4			
Composition	Governance & History			l —— —			
Requirement: college req	(ACGH):	3 units		3 units			
college reg or exam		3 units					
	l	□ Satisfied		□ Satisfied			
8 units, or the							
equivalent	l —— —						
□ Satisfied	3 units						
<ul> <li>Writing Experience</li> </ul>	□ Satisfied		Sum	mary			
(WE): ECI 193A 4		Topical Breadth:					
CMN 1 or 3 4	b. Domestic Diversity	A. Arts & Hum	anities	p Satisfied			
	(DD):	B. Science & B					
	(,-	C. Social Scient	nces	□ Satisfied			
6 units		Core Literacies:					
□ Satisfied	l —— —	I. Literacy wit	h Words A	Images p Satisfied			
c. Oral Skills (OL) or	1	III Chris B Cult	based I Disease	new - Cattlefood			
Additional Writing		III. Quantitative	Literacy	□ Satisfied			
Experience (WE):		IV. Scientific Li	iteracy	□ Satisfied			
ECI 193B 4		Remaining GE Re	auleomont	ia.			
3 units	3 units	ECI 123 can be o	used for eith	ner SS & ACGH or SS & DD.			
	□ Satisfied	ECI 137 can be used for SS & ACGH. ECI 155.163 &165 can be used for SS.					
□ Satisfied		ECI 155,163 &16	o can be u	sed for 55.			
d. Visual Literacy (VL): ENG 102 or 105 4	c. World Cultures (WC):						
Energ Tuz of Tub 4							
	I — —						
3 units	3 units	"CMN 1 can be a	sed for AH	& OL/WE or SS & OL/WE.			
□ Satisfied	□ Satisfied	CILITY I CAN DO					

"With the exception of the courses satisfying the College English Composition Requirement, the same course may be counted totath for Core Literacies and Topical Breach components. College of Engineering students may elect up to 16 units PMP for GC courses. AF coursework may not be applied to GC.

4/3/19

### General Education Requirement as of Fall 2020 \* Environmental Engineering

		Breadth	
A. Arts & Humanities (AH): ECI 40	B. Science & Eng Satisfied with Engineering Requirements	gineering (SE): C. EN EC	Social Sciences (SS): (G 105 31123** 13 4 Req <u>for tes 4 2o</u> d yes.
	_	-	
12-20 units	12-20 units	20 12	-20 units
□ Satisfied	□ Satisfied	a E	Satisfied
(AH)units + (SE)	units + (SS)	units =(52) u	nits patisfied
		teracies	
I. Literacy with Words & Images (20 units)	II. Civic & Cultural Literacy (9 units)	III. Quantitative Literacy (QL) (3 units)	10-7
a. College English Composition Requirement:	a. American Cultures, Governance & History (ACGH):	ECI 114 4	ENG 106 4
college req college req or exam 8 units, or the equivalent	ECI 123** 4	□ Satisfied	□ Satisfied
Satisfied     Writing Experience     (WE):	3 units		Summary
EČI 193A 4	b. Domestic Diversity (DD):	Topical Breadth:  A. Arts & Humaniti B. Science & Engli C. Social Sciences	neering :: Satisfied
□ Satisfied c. Oral Skills (OL) or Additional Writing Experience (WE): ECI 1938 4		Core Literacies:  I. Literacy with W II. Civic & Cultural III. Quantitative Lib IV. Scientific Litera	Literacy Satisfied eracy Satisfied
3 units	3 units		ements:
□ Satisfied	□ Satisfied		
d. Visual Literacy (VL):	c. World Cultures (WC):		
3 units	3 units	"ECI 123 can be used fo	er SS & ACGH or SS & DD.
□ Satisfied	□ Satisfied		

With the exception of the courses satisfying the Callege English Composition Requirement, the same course may be counted toward both the Cone Literacies and Topical Breach components. Overlain is not permitted within <u>a</u>

The Environmental Engineering degree is NCT (VET) according by the Engineering Assemblatur Commission of ABET, http://www.abel.org. Vito recommend that distance interested in Environmental Engineering parties the Cold & Environmental Engineering distance interesting is according by ABET.)

3/1/19

### **Course Registration Timeline** Financial Aid? Pass 2 Pass 1 . If a student receives aid, they • 17 unit max • 19 unit max MUST be ENROLLED in 12 units for aid to payout (wait No wait lists Wait lists open list units do NOT count). Fee Payment Deadline Schedule Adjustment **Registration Freeze** • Fall: 9/15 · For a few days after fee 28.5 unit max payment deadline Usually starts on 9/18, 12/18, Winter: 12/15 · Students who do not pay fees 3/18 Spring: 3/15 are dropped Instruction BEGINS 12th Day Deadline to 20th Day Regular Drop 10th Day Early Drop Add, Waitlists End

# 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:

<u>Pitches & Popcorn</u> - 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

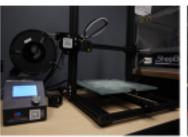
**ENG 8**- Introduction to Entrepreneurship (Fall, Winter, Spring)

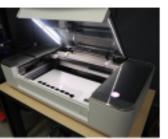
ENG 80- Launching a Business (Fall, Winter, Spring)

**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









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

- 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!

# 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



## Find us on Social Media:

Facebook: @ucdcee

Instagram: @ucdaviscee

Twitter: @ucdaviscee

LinkedIn: CEE UC Davis

Slack: ucdaviscee.slack.com











# OUE NONS?

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

