The Henry Samueli School of Engineering

New Student Orientation
2010 - 2011

Presented by Meei-jiuan Shyu

Engineering Orientation Topics

- UCI Academic Structure
- Preparing for the Fall quarter
- Registering for classes
- Academic Requirements
- School of Engineering overview
- Engineering School Mission
- Academic Standards
- Policies and Procedures
- Study Schedule

UCI Academic Structure

- Arts
- Biological Sciences
- Business
- Engineering
- Humanities
- Information and Computer Sciences
- Physical Sciences
- Social Ecology
- Social Sciences
- Health Sciences

Important Offices & Departments

- Admissions
- Financial Aid
- Registrar
- Housing
- Learning & Academic Resource Center

- Counseling Center
- Career Services
- Parking
- Disability Services
- Student Health

Preparing for Fall Quarter

Health Insurance

- Students are automatically enrolled in USHIP
- Students can "waive out" of the plan if they can demonstrate they have comparable coverage
  - Must apply online to waive out before Sep 5th
    http://www.shc.uci.edu/Health_Insurance_Privacy/USHIP-StudentHealthCenter-UCI.aspx
    Waive out as early as possible, do not wait till the last day.

  - Complete details available at Student Health Center at: www.shc.uci.edu

Paying tuition and fees

- **Fee Deadline: Sep. 15th, 4:30 p.m.**
- If you have Financial Aid…
  - Aid is applied to fees automatically once you enroll in 6 minimum required units (MRU's)
  - Must enroll in 6 MRU's by fee deadline
- If you do not have Financial Aid…
  - Pay ZOTBill online
  - https://sbs.adcom.uci.edu/ZA/
  - Contact the Registrar Office if you have questions. 949-824-6124

You should have already…

- Sent ALL transcripts to Admissions
- Due Date: July 15th
- Contact Admissions Office for questions about transcripts and Admission conditions

    myadmissionsapplication@uci.edu

Before classes start in fall…

- Get your UC photo ID card
    - Go to UCItems with student ID number
- Set-up your UCInetID account
    - Provides access to WebReg, e-mail, etc.
    - Activate at any campus computer terminal
    - www.activate.uci.edu
    - Must use UCI e-mail for correspondence with campus officials – always include your full NAME and Student I.D. number in your email
- Update address with Registrar's Office
- Complete your Statement of Legal Residence
- Enroll in classes using WebReg

Before classes begin…

- **Welcome Week (Sep 20-22)**
- New Student Convocation
  - Monday, Sep. 20, 9:00 a.m.
  - Aldrich Park
  - Deans Welcome (following New Student Convocation)
  - Anteater Club Fair & BBQ in Aldrich Park

  Transfer Orientation Question and Answer Workshop (optional)
  Tuesday, Sep. 21, 10:00 a.m. at MDEA
  (The workshop is not required, you may attend if you have questions regarding this power point)

New Student Checklist

http://www.newstudents.uci.edu/

Instruction begins

- Thursday, September 23, 2010
- Labs and Discussions will start after the first lecture class.

Registering For Classes

- ## Program of Study

  If you do not have a program of study, please call 949-824-4334 to make an appointment to see a counselor.

- ## WebSOC

  http://websoc.reg.uci.edu/perl/WebSoc

- ## WebREG

  http://www.reg.uci.edu/registrar/soc/webreg.html

Enrollment in WebReg

- Log on using UCInetID and password
- Transfer students may enroll after your program of study is done and your registration hold is removed for fall 2010
- Second enrollment starts Sep 18

  Review and/or adjust your schedule if needed.

  Enrollment restrictions are lifted during the 2nd enrollment period.

Enrollment **after** Fall quarter
(winter 2011 and thereafter)
Priority window

Check your priority enrollment window around seventh week of each quarter via WebReg

- Each student has an initial 48 hour priority window in which to enroll in classes via WebReg

- After the priority window is passed, enrollment via WebReg is available 7pm - 7am daily

Enrollment Tips

- ***Enroll as soon as your window opens!!***
  - You will have a better selection of courses

- Some classes may be full
  - Use **waitlists** when available

- Check frequently for course changes and/or cancellations

Enrollment Tips (cont'd)

- Refer to the finals schedule to prevent overload during finals week
- Refer to comments in WebSOC for additional enrollment information
- Registration HOLDs
  - If you have a hold, contact the office that placed the hold on your record for resolution

Academic Requirements

- University of California Requirements
- UCI Requirements

Incoming transfer students
follow 2009-2010 catalog for
Academic Requirements

http://www.editor.uci.edu/09-10/

University of California Requirements

- Entry Level Writing Requirement
- American History and Institutions

University of California Requirements

To meet Entry Level Writing Requirement:

■ Pass UC Analytical Writing placement exam

Requirement is already met if you:

- Scored 3, 4 or 5 on either AP English exam
- Scored 680 or higher on SAT II Writing Test
- Scored 5 or higher on International Baccalaureate's Higher-Level English A exam
- Completed college-level English Composition course prior to entering UCI

University of California Requirements

To meet American History & Institutions Requirement:

- Complete 2 UCI courses:
  US Government (Political Science 21A) &
  US History (Hist 40A or Hist 40B or Hist 40C); OR
- Complete 3 UCI courses:
  Hist 40A, Hist 40B, Hist 40C

Requirement is already met if you:

- Completed 1 year of high school US History; OR
- Completed 1 high school semester each of US History and US Government; OR
- Scored of 3, 4 or 5 on AP US History
- Scored 550 or better on SAT II American History
- Completion of requirement at another CA institution

UC Irvine Requirements

- Complete a <u>minimum</u> of 180 quarter units
- 2.0 GPA*
    - In all University of California courses
    - In all Engineering courses required for your major
    - In all upper division Engineering courses required for your major
- Residency Requirement
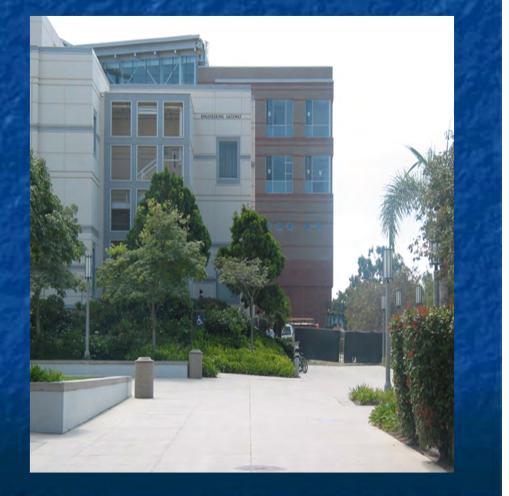   - 36 of last 45 units earned must be from UCI

    *courses for the Engineering major must be taken with 'letter grade'. Courses for the general education may be taken with 'pass/no pass'

UC Irvine Requirements

- General Education requirements

- School Requirements

- Major Requirements

General Education Requirements

I   Writing

II   Science and Technology

III   Social and Behavioral Sciences

IV   Arts and Humanities

V   Quantitative, Symbolic and Reasoning

VI   Language Other Than English

VII   Multicultural Studies

VIII   International/Global Issues

IX   Laboratory or Performance

** You may take any general education courses with pass/no pass option.

I. Writing Requirement

- **Lower Division: 2 courses**
  - Must be completed before the beginning of the 7th quarter, "C" or better
  - Writing 37 and 39C   OR
  - Writing 39B and 39C
  - Students with a "B" or better in 37 or 39B can opt to take Writing 30, 31, or 38 instead of 39C*

*This option does not apply to students in Campuswide Honors Program.

I. Writing Requirement

- **Upper Division: 1 course**

  Complete one upper division approved Writing course with a "W" suffix with grade C or better.

  For 2009-2010 catalog year, Chemical, Computer, Electrical and Materials Science Engineering majors, *are required to take Engr 190W as Engineering Professional Topics. Engr 190W also satisfies upper division writing.*

  Computer Science Engineering majors have to take CSE 181CW
  for major requirement, CSE 181CW also satisfies upper div writing.

  All other majors may take any upper division writing.

IGETC

- If you completed General Education from the community college or other university, you do not need to read the following general education requirements. Skip page 28 to page 34.

- Whoever completed IGETC (General Education) and have not turned in the IGETC certificate, please submit to Engineering Student Affairs Office by December 2010.

II. Science and Technology

- Must complete a 3 course from one of the following areas:
    - Biological Sciences
    - Chemistry
    - Earth System Science
    - Physics
    - Social Ecology

Engineering students will meet this requirement while completing your program of study.

III. Social & Behavioral Sciences

Must complete 3 courses

- Anthropology
- Economics
- Geography
- Interdisciplinary
- Linguistics

- Political Science
- Psychology
- Social Ecology
- Sociology

IV. Humanistic Inquiry

- Must complete a 3 course
    - Arts
    - Humanities
    - Interdisciplinary
    - Literature

V. Mathematics and Symbolic Systems

- Must complete a 3 course from the following areas:
    - Anthropology
    - Economics
    - Information and Computer Sciences
    - Philosophy
    - Social Sciences
    - Statistics

Engineering students will meet this requirement while completing your program of study.

VI. Language other than English

- Can be satisfied by:
  - 3 years of HS study in same language
  - Score of 3, 4 or 5 on AP Exam in a language other than English
  - Score 570 or better on SAT II in a language
  - Approved course of study in an EAP Program
  - Completing a UCI "1C" language course
  - One year of formal schooling at the sixth grade level in an institution where the language of instruction is not English

VII. Multicultural Studies

(Must complete 1 course from the approved list)

VIII. International/Global

(Must complete 1 course from the approved list)

IX. Laboratory/Performance

(Must complete 1 course from the approved list)

Some general education courses may count for two categories, you may refer to catalog for this information or come to Engineering Student Affairs Office for the list of courses that double count.

School Requirements

- **School of Engineering (HSSoE)**
  - 48 units of college-level mathematics and basic science.
  - 72 units of engineering topics courses
  - engineering design units

    (Design unit values are indicated at the end of each course description in the catalog)

The Henry Samueli School of Engineering

Founded in 1965, The Henry Samueli School of Engineering is one of the nation's fastest growing engineering schools.

HSSoE Majors

- Aerospace

- Biomedical*

- Biomedical: premed

- Chemical

- Civil

- Computer

- Computer Science **

- Electrical

- Environmental

- Materials Science*

- Mechanical

Two minors are offered in Biomedical Engineering and Materials Science Engineering

*minor is offered
**joint program w/ICS

BME: Premed

- Unlike other engineering majors, BME: Premed is not accredited. Since the program objective is to prepare students for medical school and does not have enough Engineering courses to be accredited.

- If your goal is to apply medical school, then BME: premed is the right major. You may also apply graduate school and medical related fields. If your goal is to become an Engineer, then the regular BME is the right major for you.

Engineering School Mission

Our mission is to educate students, at all levels, to be the best engineers and leaders in the nation and world by engaging them in a stimulating community dedicated to the discovery of knowledge, creation of new technologies, and service to society.

-- By Dean Rafael Bras

Becoming an Engineer

Engineers apply the principles of science and mathematics to develop economical solutions to technical problems.

Engineering is excellent preparation for a wide variety of fields, but you need to identify your end goal so that you can properly prepare… both in and out of class.

Becoming an Engineer

In addition to your academic program, you are encouraged to involve with the following activities if time is permitted.

- Research
  http://www.urop.uci.edu/

- Internship
  http://www.career.uci.edu/

- Student organization
  http://esc.eng.uci.edu/
  http://www.asuci.uci.edu/

Policies and Procedures

Catalogue Rights

- Students enrolled at UCI from their freshman year may elect to meet as graduation requirements
  - Those requirements in effect at the time of entrance; or
  - Those subsequently established catalog year
- Complete policy in catalogue

2010 incoming transfers should select 2009-2010 catalog year for your benefit

University of California Policy Confidentiality

By law, the Engineering Student Affairs Office and other UCI officials may not release any student information to ANYONE without written consent from the student.

Confidentiality continued...

What does this policy mean to you?

- Students MUST be the point of contact with any campus official
- Information that CANNOT be released:
  - Grades
  - Class Schedule
  - Academic status
- Release form for engineering students

  The above information will not be released unless you sign the Release Form.

Add/Drop/Change Deadlines
for Engineering courses

- Adding a course
  - Friday of the 2nd week of the quarter
- Dropping a course
  - Friday of the 2nd week of the quarter
- Change of grade option
  - Friday of the 6th week of the quarter

Any requests after these deadlines will be carefully reviewed on a case-by-case basis. Come to Engineering Student Affairs Office to fill out a petition form.

Grades

- Letter Grades: A, B, C, D, F
    - All Engineering, Math, Physics and Chemistry courses required for the major must be taken for a letter grade

- Pass/Not Pass Grades: P or NP
    - Does not affect GPA
    - General education courses can be taken Pass/Not Pass
    - C or better will be Pass (P), C- or lower grade will be Not Pass (NP)

- Repeating Classes

    - You may repeat courses only when grades of C-,D+,D, D-,F, or NP were received.
    - Up to 16 unit of repeats can be replaced for GPA
    - Following that, course grades are averaged

Academic Standards

Normal Progress

Students that fail to make normal progress will be placed on academic probation or may be subject to disqualification.

Not making Normal Progress

- Failure to complete UC Entry Level writing requirement before beginning of 4th quarter.
- Failure to complete lower division Writing Requirement by beginning of 7th quarter
- Failure to complete 12 units in any given quarter
- Failure to maintain a 2.0 GPA in
  - All coursework
  - All Engineering coursework
  - All upper division Engineering coursework

Academic Probation (AP)

- Academic Probation
  - GPA below 2.0 (quarterly, in ENGR courses, in upper division ENGR courses, or cumulatively)
- Subject to Disqualification
  - GPA below 1.5
  - GPA below 2.0 for 2 consecutive quarters
- The 1.5 Rule (Freshman Engineering)
  - GPA below 1.5 in Fall or Winter quarter of first year will be subject to disqualification from the School of Engineering

Academic Honesty

- Be academically honest
- Consequences can range from
  - a failing grade
  - dismissal from the University
- Complete policy listed in Catalogue

Undergraduate Engineering website

http://undergraduate.eng.uci.edu/

Student Handbook
Degree Programs*
UCI Resources
Announcements
Course outline
Teaching Plan
Policies and Procedures

* Technical electives, science electives for some majors are listed under Degree Programs.

Academic Framework

- Engineering coursework is built upon a foundation of math and science
- Interdependency of knowledge
  - prerequisites and corequisites
- Emphasis on retaining knowledge
- *Study to learn, not to pass the class.*

Academic Resources

- LARC

- CODE

- Departmental Tutoring

The Learning and Academic Resource Center (LARC)

- Campus wide academic assistance program in Math, Science, Writing, Study Strategies, Critical Reading, etc.
- Offers a variety of learning models
  - Tutorials
  - Workshops
  - Classes
  - Individual counseling

http://www.larc.uci.edu/

Center for Opportunities and Diversity in Engineering (CODE)

- Free Tutoring for all engineering students in engineering courses and their prerequisites
    - One-on-One tutoring
    - Located in ECT 124

      http://www.eng.uci.edu/undergrad/code/tutoring

- Professional Development and Research Opportunities

  http://www.eng.uci.edu/undergrad/code

Departmental Tutoring

- Several academic departments on campus like Math, Physics and Chemistry, may offer free tutoring.

- Tutoring schedules can be found on the department website.

Study Schedule

Let's explore the weekly schedule
of your average Engineering
student…

Study Schedule

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Physics 7E		Physics 7E		Physics 7E	
		Lecture		Lecture		Lecture	
9:00					Phys 7E		
					Discussion		
10:00							
11:00					Phys 52A		
					Lab		
12:00							
1:00							
2:00							
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Physics 7E		Physics 7E		Physics 7E	
		Lecture		Lecture		Lecture	
9:00					Physics 7E		
					Discussion		
10:00							
11:00					Phys 52A		
					Lab		
12:00							
1:00							
2:00		Math 2J		Math 2J		Math 2J	
		Lecture		Lecture		Lecture	
3:00							
4:00			Math 2J		Math 2J		
			Discussion		Discussion		
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Physics 7E		Physics 7E		Physics 7E	
		Lecture		Lecture		Lecture	
9:00					Physics 7E		
					Discussion		
10:00							
11:00		EECS 31			Phys 52A		
		Discussion			Lab		
12:00							
1:00							
2:00		Math 2J		Math 2J		Math 2J	
		Lecture		Lecture		Lecture	
3:00							
4:00			Math 2J		Math 2J		
			Discussion		Discussion		
5:00							
6:00							
			EECS 31		EECS 31		
7:00			Lecture		Lecture		
8:00							

Study Schedule

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Physics 7E	breakfast	Physics 7E	breakfast	Physics 7E	
		Lecture		Lecture		Lecture	
9:00					Physics 7E		
					Discussion		
10:00							
11:00		EECS 31			Phys 52A		
		Discussion			Lab		
12:00	lunch	lunch	lunch	lunch		lunch	lunch
1:00							
2:00		Math 2J		Math 2J	lunch	Math 2J	
		Lecture		Lecture		Lecture	
3:00							
4:00			Math 2J		Math 2J		
			Discussion		Discussion		
5:00	dinner	dinner	dinner	dinner	dinner	dinner	dinner
6:00							
			EECS 31		EECS 31		
7:00			Lecture		Lecture		
8:00							

The light blue area may be your possible study time

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00		Physics 7E Lecture	breakfast	Physics 7E Lecture	breakfast	Physics 7E Lecture	
9:00					Physics 7E Discussion		
10:00							
11:00		EECS 31 Discussion			Phys 52A Lab		
12:00	lunch	lunch	lunch	lunch		lunch	lunch
1:00							
2:00		Math 2J Lecture		Math 2J Lecture	lunch	Math 2J Lecture	
3:00							
4:00			Math 2J Discussion		Math 2J Discussion		
5:00	dinner	dinner	dinner	dinner	dinner	dinner	dinner
6:00			EECS 31 Lecture		EECS 31 Lecture		
7:00							
8:00							

Strategies For Success

- Identify your best time of day to study
- Study in groups
- Avoid distractions
- Treat school as a full-time job
- Utilize resources: LARC, CODE tutoring
- Be realistic about the amount of work you can get done in a given period. We suggest you study 3 hours per week for any one unit you enroll.

HSSoE Student Affairs

- Contacting the Office
  - Telephone: (949) 824-4334
  - Website: http://undergraduate.eng.uci.edu/
- Location
  - Engineering and Computing Trailer (ECT 101)
- Office Hours
  - Monday - Friday 8:30 a.m. - 12:00 p.m. &
    1:00 p.m. - 4:30 p.m.

Meeting with an Academic Counselor in Engineering Undergraduate Student Affairs at least once a year is strongly recommended.

Counselors for Undergraduate Student Affairs Office

- **Mitzi Orme**

  Aerospace, Mechanical, Materials Science

- **Christy King**

  Chemical, Civil, Computer Science Engineering, Environmental

- **Meei-jiuan Shyu**

  Biomedical, Biomedical Premed, Computer Engineering, Electrical

DEGREE WORKS

- Check Degree works for your program requirements and updates.

  http://www.reg.uci.edu/access/student/welcome/

- Transfer courses in Degree Works will be updated within one year after transferring to UCI.

- You may make an appointment to see a counselor 949-824-4334
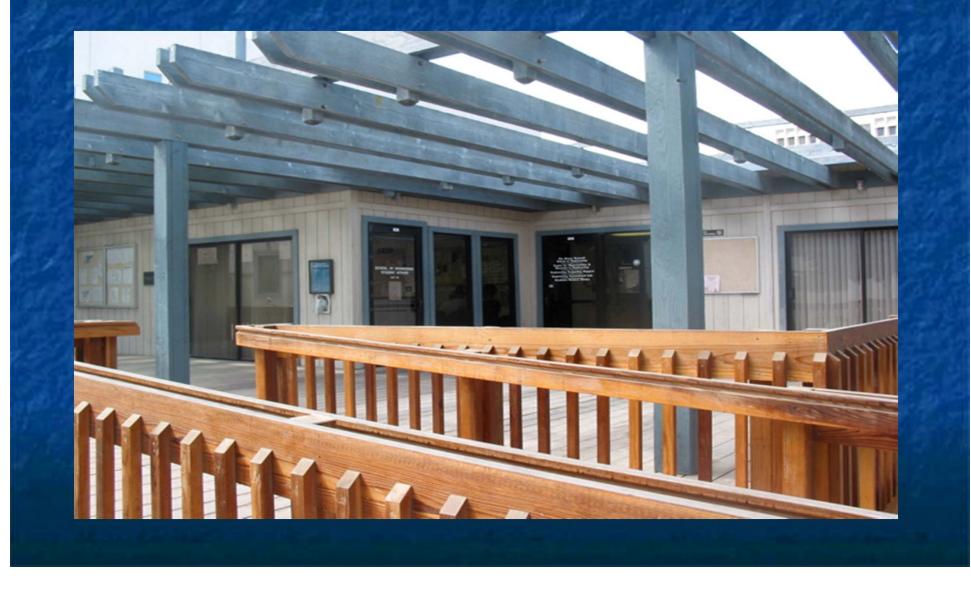
Faculty Advising

- All students are required to attend Faculty Advising* session once a year
    - done by faculty
    - required for accreditation
- You will get email notification regarding the date and time
- Failure to attend will result in a hold for following term enrollment

* Faculty Advising is not the same as meeting your academic counselors.

HSSoE Student Affairs: ECT 101

Welcome to UCI and The Henry Samueli School of Engineering!

Have a great summer!

See you in fall quarter!