

The Henry Samueli School of Engineering

New Student Advising
2008 - 2009

Presented by Christy King

- As a courtesy to all Orientation attendees, please turn off your:
 - cell phone, Ipod, etc.
- Restroom Facilities

Thank You!

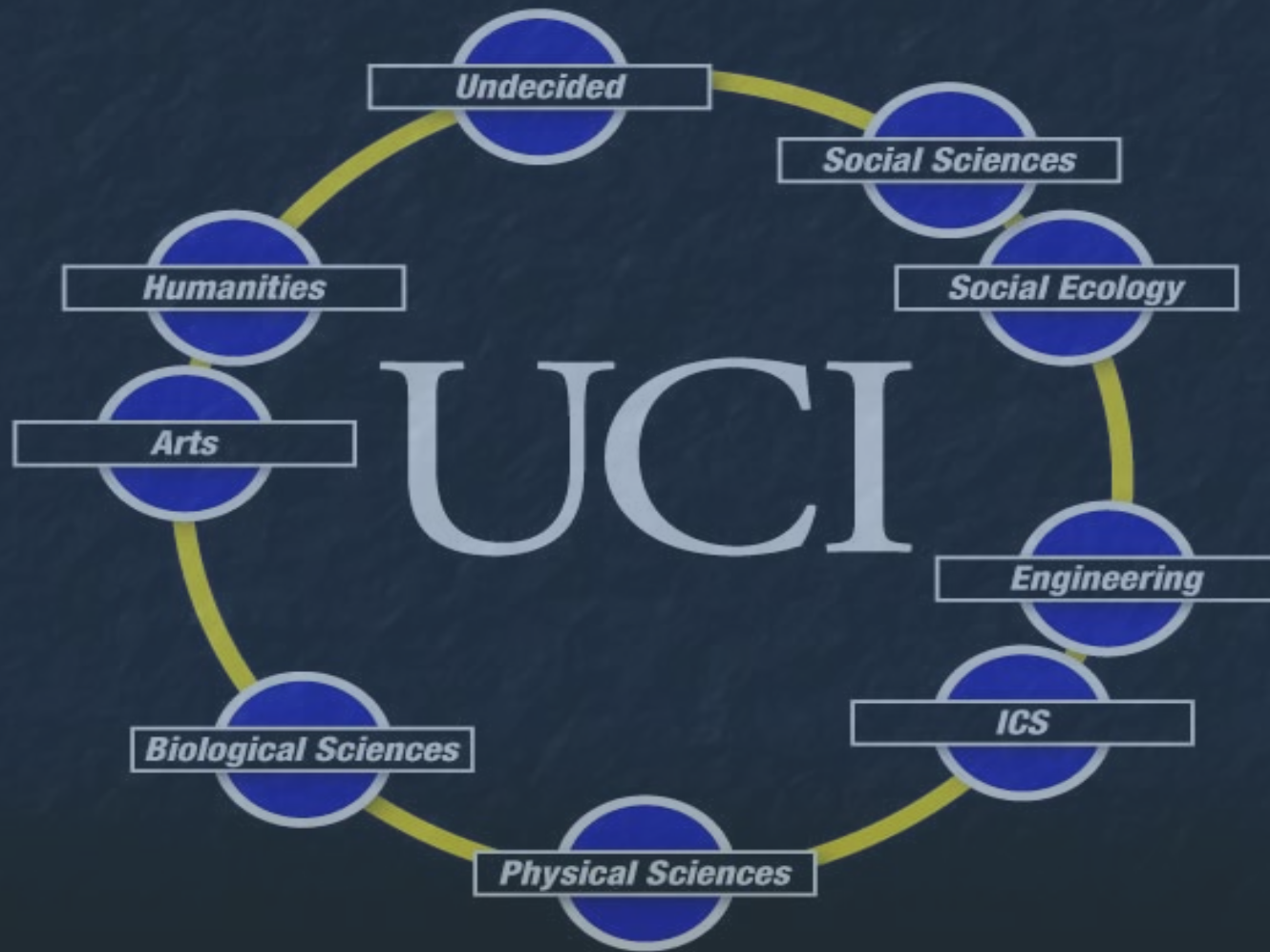
Change of Major

- Anyone hoping to change their major must provide the following:
 - Copy of high school transcript
 - Copy of test scores (AP, etc)
- A COM cannot be processed without the above information

Engineering Orientation Topics

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

UCI Academic Structure



Important Offices & Departments

- Admissions
- Financial Aid
- Registrar
- Housing
- Learning & Academic Resource Center
- Counseling Center
- Career Services
- Parking
- Disability Services
- Student Health
- UCI Libraries

Preparing for Fall Quarter

Health Insurance

- Students are automatically enrolled
- Students can “waive out” of the plan if they can demonstrate they have comparable coverage
 - Must apply online to waive out before Sep 5th
 - Complete details available at Student Health Center at: www.shs.uci.edu

Paying tuition and fees

- **Fee Deadline: Sep. 15th, 4:30 p.m.**
- Paperless Billing: pay ZOTBill online
 - <https://sbs.adcom.uci.edu/ZA/>
 - or type “sbs” on main UCI web page to view
- 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

You should have already...

- Sent ALL transcripts to Admissions and Engineering Student Affairs
- Sent all AP and IB scores to Admission
- **Due Date: July 15th**
- Taken placement tests:
 - Analytical Writing
 - Calculus
 - Physics 2
 - Chemistry (except CE and CSE majors)

Admissions info

- Check your myadmissionsapplication@uci site frequently
 - Message Center
 - Transcripts
 - Test scores

Before classes start in fall...

- Get your UC photo ID card
 - Go to UCItems with student ID number
- Set-up your UCInetID account (starting July 3)
 - 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 NAME and ID #.
- Update address with Registrar's Office
- Complete your Statement of Legal Residence
- Enroll in classes using WebReg

Before classes begin...

- Move-In Days (Sep 20th & 21st)
- Welcome Week (Sep 22nd – 24th)
- New Student Convocation
 - Mon 22nd, 9:00 a.m., Aldrich Park
- Deans Welcome
 - Following New Student Convocation
- Anteater Club Fair & BBQ in Aldrich Park
- **Classes begin Thursday, Sept. 25th!**

New Student Checklist

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

Enrolling In Classes

WebReg

- Log on using UCInetID and password
- Enrollment windows open on day of advising
- **Freshman enrollment begins IMMEDIATELY following your academic advising!**
- Review and/or adjust your schedule during the Adjustment period
 - Adjustment Period: Sep 17 – 24

Enrollment Info

- Each student enrollment window opens on day of academic advising with 48 hours of priority access – enroll during this time!
- Enrollment via WebReg is available 7pm - 7am after initial priority window
- Enrollment restrictions are lifted during the adjustment period (Sep)
 - Use this time to finalize your schedule!

Enrollment Tips

- Refer to finals schedule when planning classes
- Refer to comments in WebSOC for specific info regarding classes
- Some classes may be full
 - Use waitlists when available
- Check frequently for course changes and/or cancellations
- Registration HOLDS

WebSOC: Schedule of Classes

<http://www.uci.edu/>



- Choose classes
- Enroll via WebReg
- Available online only

Academic Requirements

University of California Requirements

- Entry Level Writing Requirement
- American History and Institutions
 - Most new students have satisfied this requirement with high school courses.
 - International students: see an Academic Counselor for information on satisfying this requirement.

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 -OR- the SAT II Reasoning 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 & History)

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 ↑ on SAT II American History
- Completion of requirement at another CA institution

UC Irvine Requirements

- Complete a minimum of 180 quarter units
- 2.0 GPA*
 - in all University of California courses
 - in all engineering courses required
 - in all upper division courses required
- Residency Requirement
 - 36 of last 45 units earned must be from UCI

*A higher GPA than 2.0 may be required in honors programs.

UC Irvine Requirements

- GE Requirements
- School Requirements
- Major Requirements



UC Irvine Requirements

General Education Categories:

- I Writing
- II Science and Technology
- III Social and Behavioral Sciences
- IV Arts and Humanities
- V Quantitative, Symbolic, and Computational Reasoning
- VI Language Other Than English
- VII Multicultural Studies
- VIII International/Global Issues
- IX Laboratory/Performance

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
 - Minimum “C” grade
 - Some upper division courses have major restrictions
 - ALL Engineering students must take E90W with the exception of BME: P and CSE

II. Science and Technology

- Must complete 3 courses from list:
 - 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 from list

- Anthropology
- Economics
- Geography
- Interdisciplinary
- Linguistics
- Political Science
- Psychology
- Social Ecology
- Sociology

*Civil & Environmental majors will complete this Category with major requirements.

IV. Arts and Humanities

- Must complete 3 courses from list
 - Arts
 - Humanities
 - Interdisciplinary
 - Literature

V. Quantitative, Symbolic, and Computational Reasoning

- Must complete 3 courses from list
 - Anthropology
 - Economics
 - Information and Computer Sciences
 - Math
 - 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 ↑ on SAT II in a language
 - Approved course of study in an EAP Program
 - Completing a UCI “1C” language course
 - Placement Test to test out

VII. Multicultural Studies

- Must complete 1 course from approved list

Students may use courses to fulfill this category that are also being used to fulfill other GE categories.

VIII. International/Global Issues

- Must complete one course from approved list

Students may use courses to fulfill this category that are also being used to fulfill other GE categories.

IX. Laboratory or Performance

- Must complete one course from approved list

Engineering students will fulfill this requirement by completing major requirements

Other Options for Breadth Requirements

- First-Year Integrated Program
 - Year-long First-Year experience
 - Small classes
 - Multidisciplinary approach to a topic
 - Fulfill 4 breadth requirements with 3 courses
- Humanities Core
 - Fulfill 3 breadth categories: Lower Division writing, Humanistic Inquiry, and Multicultural Studies

PLEASE NOTE: Engineering students *should not* choose these options without approval from an academic counselor.

School Requirements

- School of Engineering Requirements
 - 48 units of mathematics and basic science
 - 72 units of engineering topics courses
- Major Requirements
 - 19 - 24 engineering design units

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.

Engineering Majors

- Aerospace
- Biomedical*
- Biomedical: premed
- Chemical
- Civil
- Computer
- Computer Science & Engineering**
- Electrical
- Environmental
- Materials Science*
- Mechanical

*minor is also offered

**joint program w/ICS

School of Engineering Distinctions

- More than a dozen of the school's faculty have been elected fellows in professional societies.
- More than 7 faculty members elected to the National Academy of Engineering.
- Over the last decade, over 12 assistant and associate professors have received National Science Foundation Young Investigator and CAREER Awards.
- More than 2 faculty are recipients of the Presidential Early Career Award for Engineers and Scientists
- School of Engineering is home to numerous research centers.

Research Centers

- The National Fuel Cell Research Center
- Beckman Laser Institute (BLI)
- California Institute for Telecommunications and Information Technology (CalIT2)
- Integrated Nanosystem Research Facility
- Institute of Transportation Studies
- Center for Embedded Computer Systems

Becoming an Engineer

A major in engineering is excellent preparation for a wide variety of fields, but you need to identify your end goal so you can prepare properly.

Becoming an Engineer

In addition to your academic program, get involved in...

- Research
- Internships
- Student Organizations
- Other activities

Policies and Procedures

Family Educational Rights and Privacy Act (FERPA)

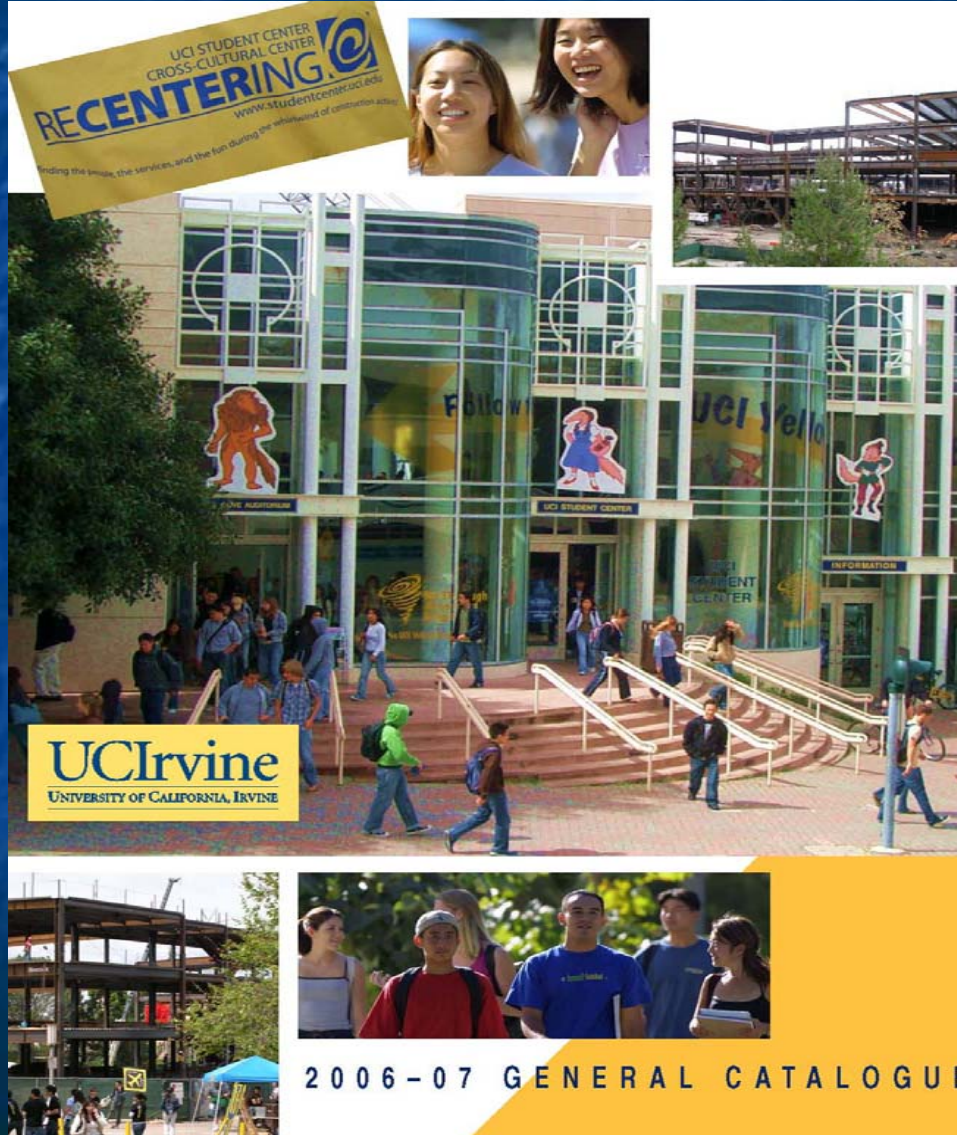
By law, the Engineering Student Affairs Office and other UCI officials may not release any student information to ANYONE without written consent from the student.

FERPA 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
- FERPA release form for engineering students

UCI Catalogue



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
- Complete policy in catalogue pg

*Transfer and readmitted students please consult an academic counselor.

Add/Drop/Change Deadlines

- 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.

Grades

- Letter Grades: A, B, C, D, F
 - Affects GPA
 - All required engineering courses must be taken for a letter grade
- Pass/Not Pass Grades: P or NP
 - Does not affect GPA
 - Breadth courses can be taken Pass/Not Pass
- Repeating Classes
 - Up to 16 units can be replaced
 - Following that, course grades are averaged

Academic Standards

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 two consecutive quarters
- The 1.5 Rule (Freshman Engineering majors)
 - 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 in catalogue pg

Undergraduate Engineering website

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

Student Handbook

Degree Programs

UCI Resources

Announcements

Course Information

Policies and Procedures

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 the material, not just to pass the class.***

Math Course Sequence

- Math 2A - 2B - 2D etc.
- Your understanding of Math 2A concepts will impact your academic performance all 4 years!!
- Placement Test Results: Math 2A-W
 - Nearly 70% of students that place into Math 2A with a warning earned a C, D or F
 - Math 1B is strongly recommended

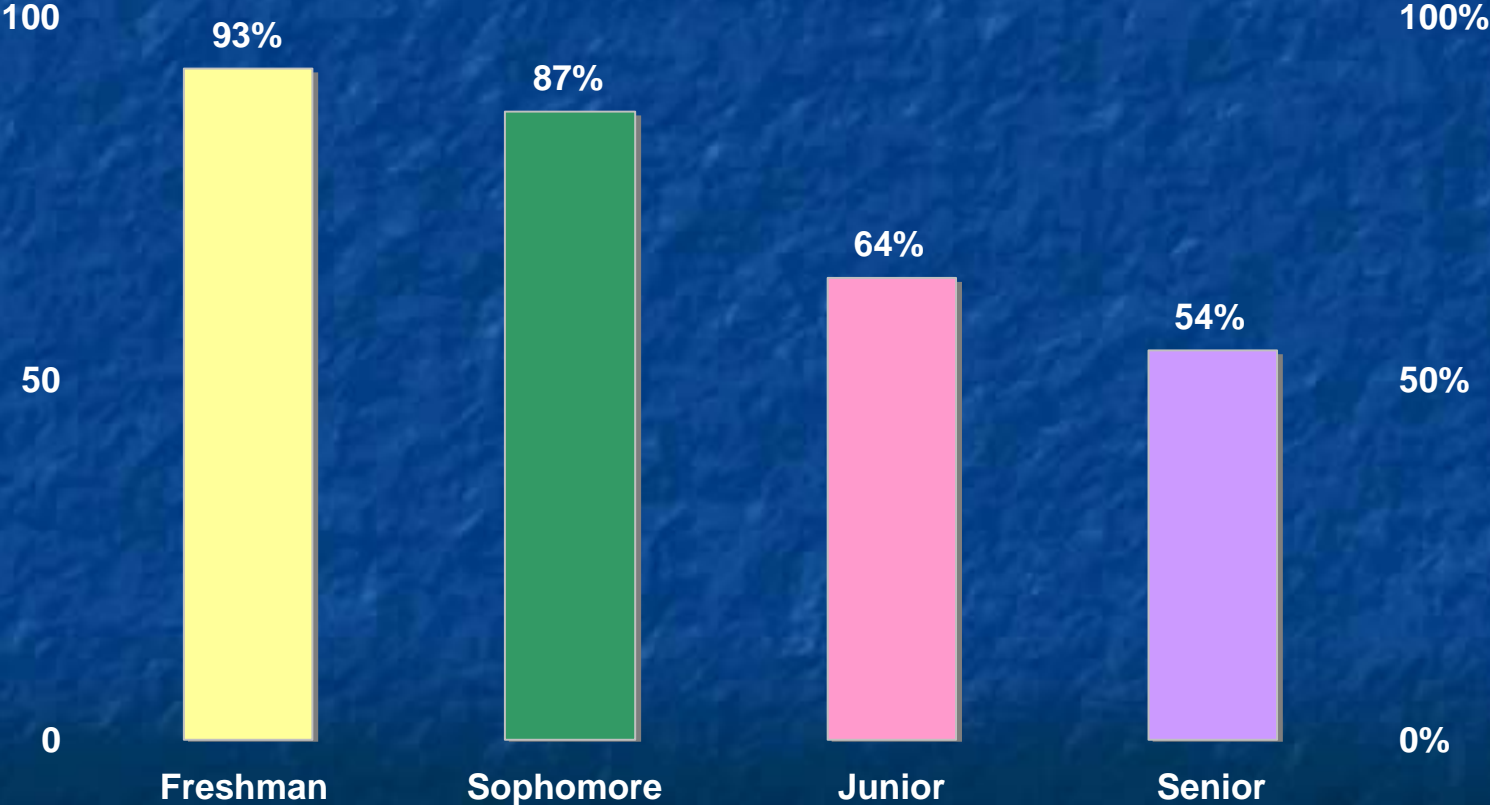
Course Expectations

- Math
 - weekly homework and quizzes
 - 2 midterms
 - 1 final exam
 - discussion section
- Chemistry & Physics
 - same as Math
 - additional lab

Average GPA in Engineering



Student Retention



Academic Resources



- LARC
- CODE
- Departmental Tutoring
- ENGR 1

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
 - Adjuncts
 - Workshops
 - Classes
 - Individual counseling
- Located in Social Science Tower, 4th Floor

Center for Opportunities and Diversity in Engineering (CODE)

- Free tutoring for all engineering students in engineering courses and their prerequisites
- Test and homework files
- Assistance with resume and cover letter prep.
- Notification of jobs, internships and research opportunities
- Located in ECT 124

Departmental Tutoring

- Several academic departments on campus like Math, Physics and Chemistry, offer free tutoring.
- Tutoring schedules can be found on the department's website.

ENGR 1: Freshman Seminar

- Intro to the Engineering Profession
- Overview of Engineering disciplines
- Application of Engineering knowledge
- Campus Resources
- 1 unit, MW 11:00 - 11:50
- Graded Pass/Not Pass (P/NP)

Study Schedule

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

Study Schedule

	Su nda y	M onda y	Tuesda y	Wed nesda y	Thursda y	Frida y	Sa turda y
8:00							
9:00							
10:00							
11:00							
12:00							
1:00							
2:00							
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Su nda y	Mo nda y	Tuesda y	Wed nesda y	Thursda y	Frida y	Sa turda y
8:00			Physic s 7A lecture		Physic s 7A lecture		
9:00							
10:00							
11:00				Physic s 7A discus sion			
12:00							
1:00			Physic s 7A lab				
2:00							
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Su nda y	Mon da y	Tues da y	Wed nes da y	Thurs da y	Frida y	Sa tur da y
8:00			Physic s 7A lecture		Physic s 7A lecture		
9:00		EECS 10 lecture		EECS 10 lecture		EECS 10 lecture	
10:00							
11:00				Physic s 7A discus sion			
12:00							
1:00			Physic s 7A lab				
2:00		EECS 10 lab		EECS 10 discus sion			
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:00			Physics 7A lecture		Physics 7A lecture		
9:00		EECS 10 lecture		EECS 10 lecture		EECS 10 lecture	
10:00							
11:00				Physics 7A discussion	Math 2A discussion		
12:00		Math 2A lecture		Math 2A lecture		Math 2A lecture	
1:00			Physics 7A lab				
2:00		EECS 10 lab		EECS 10 discussion			
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Su nda y	Mon da y	Tues da y	Wed nes da y	Thurs da y	Frida y	Sa tur da y
8:00			Physic s 7A lecture		Physic s 7A lecture		
9:00		EECS 10 lecture		EECS 10 lecture		EECS 10 lecture	
10:00		Wri ting 39B		Wri ting 39B		Wri ting 39B	
11:00				Physic s 7A discus sion	Math 2A discus sion		
12:00		Math 2A lecture		Math 2A lecture		Math 2A lecture	
1:00			Physic s 7A lab				
2:00		EECS 10 lab		EECS 10 discus sion			
3:00							
4:00							
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Su nda y	Mo nda y	Tuesda y	Wed nesda y	Thursda y	Frída y	Sa turda y
8:00			Physic s 7A lecture		Physic s 7A lecture		
9:00		EECS 10 lecture		EECS 10 lecture		EECS 10 lecture	
10:00		Wri ting 39B	Ma th 2A LaR C	Wri ting 39B	Ma th 2A LA R C	Wri ting 39B	
11:00				Physic s 7A discus sion	Ma th 2A discus sion		
12:00		Ma th 2A lecture		Ma th 2A lecture		Ma th 2A lecture	
1:00			Physic s 7A lab				
2:00		EECS 10 lab		EECS 10 discus sion			
3:00							
4:00				Physic s 7A tutoring			
5:00							
6:00							
7:00							
8:00							

Study Schedule

	Su nda y	Mon da y	Tues da y	Wed nes da y	Thurs da y	Frida y	Sa tur da y
8:00		Breakfa st	Physic s 7A	Breakfa st	Physic s 7A	Breakfa st	
			lecture		lecture		
9:00		EECS 10		EECS 10		EECS 10	
		lecture		lecture		lecture	
10:00		Wri ting	M ath 2A	Wri ting	M ath 2A	Wri ting	
		39B	LaR C	39B	LA R C	39B	
11:00	Lunch		Lunch	Physic s 7A	M ath 2A		lunch
				discus sion	discus sion		
12:00		M ath 2A		M ath 2A		M ath 2A	
		lecture		lecture		lecture	
1:00		Lunch	Physic s 7A	Lunch	Lunch	lunch	
			lab				
2:00		EECS 10		EECS 10			
		lab		discus sion			
3:00							
4:00				Physic s 7A			
				tutoring			
5:00							
6:00		Dinner	Dinner	Dinner	Dinner	dinner	
7:00							
8:00							

Strategies For Success

- Identify your best time of day to study
- Use the same study location
- 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 time period

Engineering Undergraduate 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.

Engineering & Computing Trailer: ECT 101



Academic Counseling

Christy King
Freshman Academic Counselor
clking@uci.edu

Laurel Bartenstein
Campuswide Honors Program Counselor
lbartens@uci.edu

Academic Counseling

Meeting with an Academic Counselor in Engineering Undergraduate Student Affairs each quarter is strongly recommended!

Peer Advisors

- Drop-In Counseling available in ECT 101 during posted hours
 - Anahita Sidhwa
 - Vinh
 - Kim
- peers@soemail.eng.uci.edu
- 949-824-3735

Welcome to UCI and The
Henry Samueli School of
Engineering!

Plan of Study ex. 1

ID # _____ NAME _____		Freshman
Engineering: Mechanical Engineering		SIR: Apr 22, 2007
2007-2008		
		<u>Summer</u>
Math 2A sections F, G, and H are for engineering majors.		
<u>Fall 2007</u>	<u>Winter 2008</u>	<u>Spring 2008</u>
MATH 2A	MATH 2B	MATH 2D
PHYSICS 7A	PHYSICS 7B	PHYSICS 7D
PHYSICS 7LA	PHYSICS 7LB	PHYSICS 7LD
ENGRMAE 10 or in Winter	CHEM 1A	CHEM 1B
	CHEM 1LA	CHEM 1LB
UC Requirements		
Entry Level Writing	Subject A satisfied	Reason UC Exam
American History	Requirement Satisfied	
American Institutions	Requirement Satisfied	
Placement Testing		
Precalculus M2A	Math Analysis	
Physics	Chemistry C1A	
Analytical Wrt. 39B	ESL Reading	ESL Writing
Transcripts		
School	Attended	Received By
Calif. State University, Northridge-Ss	Jul 1, 2005 to Aug 1, 2005	
Chaminade College Preparatory School	Aug 1, 2003 to Jun 1, 2007	Jun 27, 2007 JMP
Advanced Placement		
Test	Score	Year

Plan of Study ex. 2

ID#	NAME	Freshman	
Engineering: Aerospace Engineering		SIR: Apr 4, 2007	
2007-2008			
		<i>Summer</i>	
NEED PRECALC AND CHEM PLACEMENT TESTS			
<i>Fall 2007</i>	<i>Winter 2008</i>	<i>Spring 2008</i>	
UC Requirements			
<i>Entry Level Writing</i>	Subject A required	<i>Reason</i>	
<i>American History</i>	Requirement Satisfied		
<i>American Institutions</i>	Requirement Satisfied		
Placement Testing			
<i>Precalculus</i>	<i>Math Analysis</i>		
<i>Physics</i>	<i>Chemistry</i>		
<i>Analytical Wrt. 39A/P</i>	<i>ESL Reading</i>	<i>ESL Writing</i>	
Transcripts			
<i>School</i>	<i>Attended</i>	<i>Received By</i>	
Burbank Senior High School	Sep 1, 2003 to Jun 1, 2007	Jun 19, 2007 ASP	
Advanced Placement			
<i>Test</i>	<i>Score</i>	<i>Year</i>	