Announcements

- Today – Tools for success

Next Week

- Monday – Review for final exam

Get your Refund

- Be sure to turn your clicker in during lab
Announcements

- We are on the home stretch – be preparing your robot reports

- Read the report guidelines carefully & proofread your reports
Announcements

Two new quizzes in D2L

- Extra credit quiz – engineering perceptions
- Quiz to review for final exam

Last SVLS

- This Thursday (Dec 6) – Nora Denzel – Executive VP Intuit
Maximizing Your Academic Experience for Professional Success

ENGR 10
Fall 2012
Where Do We Want to Be 5 Years From Now?

**BS/MS**

- **Majors**
- **Specialization**

Advancing in a Great Profession We **Love**
(Remember we work for 40 to 50 years!)
Many Paths – Be INTENTIONAL

Enter SJSU

Major Courses / Major Emphasis

- Semester or Summer Overseas
- Travel Study
- Double Major
- Minor
- Summer Research Experience
- Research with SJSU Professor
- Internship / Summer Job
- Service Learning/Alt. Spring Break

Entry level position or graduate school
First Step – Academic Success

- Means something different to each student
- Each student – personal strategies
- The #1 goal of the university
- To achieve success – you have to WANT IT - it doesn’t just happen
Personal Strategies

- Form groups of at least 5
- Discuss these two questions
  - What is the best thing I have done at SJSU to help me succeed
  - What is the least effective (dumbest?) thing I have done in terms of my academic or professional success
Global Technology Initiative
A one-million-dollar endowment at SJSU’s
Charles W. Davidson College of Engineering
Expand your horizons

GTI GOES TO CHINA 2012
GTI2012CHINA@GMAIL.COM

Study Abroad Office
Clark Hall, Room 543
Research Experiences

- Summer Research Experiences for Undergraduates (REU)
- 10 weeks at another university
- Working with faculty and grad students
- Working on real project
- Get paid ($5000 to $7000)
- Applications due December - February
Research Experience for Undergraduates (REU)

The Renewable Energy MRSEC program invites exceptional undergraduate math, science, and engineering students to participate in a ten-week summer research program addressing fundamental materials issues related to the science and technology of renewable energy while nurturing a greater sensitivity of our place and role in the world in which we live. This highly interdisciplinary program focuses on multiple areas that are open to all materials science, engineering, physics, chemistry, mathematics, chemical engineering and computer science undergraduate majors.

JOIN US

REU provides students an interactive, encouraging, and multi-level research experience to draw upon when making decisions about advanced education and future careers in renewable energy.

Click below for REU Brochures and Application Materials.

- REU Brochure
- REU Brochure short
- On-line Application Link
- Letters of Recommendation
- Instructions
Finding Opportunities

http://www.pathwaystoscience.org

NSF REU Site on Smart UAVs

Overview

The Research Experience for Undergraduates (REU) on Smart Unmanned Aerial Vehicles (UAVs) is a National Science Foundation (NSF) and Department of Defense (DoD) funded research program at Auburn University. There are nine to twelve positions for the 8-week program. The undergraduate research assistants are initiated to research under the guidance of faculty from Computer Science and Aerospace Engineering. The research assistants collaborate with their advisers and are expected to contribute to unmanned flying. Major objectives are to promote interests in UAVs and develop the research skills of the students. Women, minorities, and students from "undergraduates" institutions are especially encouraged to apply.

With computing getting so inexpensive and so lightweight, we can equip unmanned aerial vehicles with enough intelligence to autonomously and efficiently fly to perform missions too "dull, dirty, or dangerous" for manned aircraft. Besides military applications, a growing number of civil applications such as search and rescue, firefighting, or pipeline surveillance/inspection.

The REU students will, in a first phase, contribute to autonomously fly six to twelve UAVs in a limited air space to fulfill different kinds of missions.

Goals of the REU Site:

- Increase the number of future professionals in the areas of unmanned flight.
- Develop students' ability to apply computer and information-based technologies to real-world research opportunities.

Participating Institution(s):

Auburn University

Program Info | Contacts | Photos | News & Events

1. Browse all Summer Research programs
2. Browse by Institution, Usergroup, and/or Discipline
### Summer Jobs & Internships

San José State University

#### Resources

**SpartaJobs**
Full-time, part-time jobs, internships and more. Login or register here: STUDENTS EMPLOYERS

**Event Calendar**
View Career Center events coming up this week, this month, or this semester. Programming & Weekly Office Hours

**SISU Salary Survey**
Got a job or internship? Participate in SISU's salary survey. View last year's results

### SpartaJobs First!
SpartaJobs is SJSU's central source for jobs (full-time, part-time), careers, internships, volunteer opportunities and even scholarships. Login or register today.

### Job Title | ID | Employer | Location | Position
--- | --- | --- | --- | ---
Client Relationship Intern | 42815 | True Partners Consulting | San Jose, California | Internship/Ct
Marketing/Advertising Intern | 42880 | HFS, Inc. | San Jose, California | Internship/Ct
Office Services | 42879 | Morgan, Franch, Fredkin & Moran | San Jose, California | Part Time
Optical and Electronic Characterization Technician | 42870 | Scilagnon, Inc. | Nipomo, California | Full Time
Pre-K Teacher | 42873 | Saratoga Parent Nursery School | Saratoga, California | Part Time
Product Manager, Mexico | 42863 | Acer America Corporation | San Jose, California | Part Time
Program Officer/Manager (Early Childhood Mental Health) | 42869 | FIRST S Santa Clara County | San Jose, California | Full Time

#### Online Tools

- Resume Toolkit
- Resume Workshop
- Perfect Interview
- Job Fair Success
- Internship Videos
- Employer Videos

Start here: SpartaLinks...
Study Skills

- Master the material from last class before the next one
- Prepare for your lectures (and labs)
- Sit near the front
- “Be there” (not doing email, watching a movie, or reading a book)
- Ask questions
- Take notes
Time can be put to good use or wasted

People who accomplish a great deal

1. Place a high value on their time
2. Have a system for scheduling and managing their time

Schedule time (and a place) to study

- Plan what you want to study
- Include breaks

Make School a Priority

Time on Task is Important

Grade

Time on Task
## Manage Your Time

### Make a weekly schedule

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<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
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<tbody>
<tr>
<td>8-9</td>
<td>study</td>
<td>class</td>
<td>Final project</td>
<td>class</td>
<td>study</td>
<td>work</td>
<td>sleep in</td>
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<tr>
<td>9-10</td>
<td>study</td>
<td>class</td>
<td>Final project</td>
<td>class</td>
<td>study</td>
<td>work</td>
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<tr>
<td>10-11</td>
<td>commute</td>
<td>Advising appt.</td>
<td>commute</td>
<td>Meet Joe for coffee</td>
<td>work</td>
<td></td>
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<tr>
<td>11-12</td>
<td>class</td>
<td>club meet</td>
<td>class</td>
<td>basketball</td>
<td>work</td>
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<td></td>
<td>class</td>
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</table>
Planning

- **Long term**
  - Keep a calendar with due deadlines, important dates, appointments, activities, meetings

- **Daily**
  - Make “To Do” lists
  - Prioritize items on the list
Collaborate w/ Other Students

15 Free Tools for Web-based Collaboration

See http://sixrevisions.com/tools/15-free-tools-for-web-based-collaboration/

Google Docs

Skype

Dropbox

Vyew

Getting Started
Vyew provides powerful real-time conferencing and persistent meeting spaces. You can upload or create any kind of content in this synchronized meeting space and it will remain here as long as you want it to. Vyew’s meeting spaces are called...
Make use of resources in the College of Engineering

Engineering Student Success Center (E344)

Career Coaching Services
Walk-in Tuesdays:
1:30pm – 3:30pm

Monday-Friday
8:30am-4:30pm
(closed 12pm-1pm)
Make use of resources in campus (they are free)

- Career Center
- Writing Center
- LARC
- Health Center
- Counseling Services
- Disability Resource Center
- Library
- Financial Aid
- Study Abroad Office
- Student Organizations & Leadership
- Fitness Center ……
Behaviors to avoid

- Late to class
- Sleeping in class
- Talking in class (when you should be listening)
- Doing HW or checking Facebook in class
- Leaving class early
- Failing to do HW
Second Step – Learn About Engineering

1. E10 class
   a. Hands-on projects
   b. Teamwork environment
   c. Professors from various engr. disciplines
2. Your classmates
3. Student chapters of a professional society
4. Your professors
5. Other practicing engineers
6. Visiting engineering companies
7. Apply for student internships during summer