Masters of Science in Engineering (MSE) Orientation

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August 13, 2011  3PM – 5PM  ENGR 339
-and-
August 27, 2011  10AM – 12noon ENGR 285
Agenda

- Intro to MSE & General Engineering
- MSE Programs
- Forms
- GS&R and Advising
- Where to get information
- Important Dates
- Q&A
Self Introductions
C.W. Davidson College of Engineering

- 8 Departments

- 11 Degree Programs, more on the way (e.g., Biomedical Engineering effective Fall 2012)

- General Engineering Department
  - Undergraduate: Engr 10, Engr 100W, etc
  - Graduate: Interdisciplinary Specialization Areas

- Master of Science in Engineering
  - Approximately 125 students
  - Industry skills in demand: Green Tech, Health/Life Sciences, Software Engineering, Eng. Mgt., …
• Master of Science in Engineering (MSE) is a General Engineering Degree Program within the office of Graduate & Extended Studies (ENGR 491)

• MSE currently has seven emphasis/concentrations:
  – Bioinformatics *(Prof. Wesley is your advisor)*
  – Electronic Materials & Devices *(MSE Director is your advisor)*
  – Engineering Management
  – Environmental Health & Safety Systems
  – Special
  – GREEN TECHNOLOGY

• Emphasis vs Concentration
Engineering Management (EM)

• Go to main MSE web page
  http://generalengineering.sjsu.edu/

• Under On Campus Programs click on
  http://generalengineering.sjsu.edu/engineering_management/

• Updated EM emphasis started Fall 2012

• Application to make EM a concentration is moving forward.
• Click http://generalengineering.sjsu.edu/electronic_materials_devices/ and Devices from the main MSE web page

• EMD is now a concentration effective Fall 2012. “Electronic Materials and Devices” will appear on the diploma.
Special Emphasis

- Special emphasis allows students to customize their educational objectives.

- Click on [http://generalengineering.sjsu.edu/special_emphases/](http://generalengineering.sjsu.edu/special_emphases/)

- Special Emphasis will never become a concentration
Forms

• Go to main MSE web page http://generalengineering.sjsu.edu/

• Under On Students click on Forms
  – MSE, GS&R, IPS, and other forms available
  – All forms are submitted electronically now (must have email application on computer used to submit form)
What Forms To Submit

- Program of Study – One for each emphasis/concentration *(submit only one in 1st semester)*
- Advising Form (every semester to remove advising hold)
- MSE Change of Program of Study Form *(before candidacy form is submitted)*
- Change of Classification *(submit after you have satisfied your prerequisites if any. Do not submit if admitted in Classified Status)*
- Candidacy
- Request for Course Substitution in Master’s Degree Program *(submit after candidacy form is approved)*
- Award of Masters Degree
- Verification of Culminating Experience
When To Submit Forms

- Program of Study – by end of 1st semester
- Candidacy – after completing 9 units of degree course work, in classified status, overall and candidacy GPA is at least 3.0, and not on probation/disqualified.
- MUST check the GS&R website for due dates of various forms.
  http://www.sjsu.edu/gradstudies/
  - Click “Graduate Admissions and Program Evaluations”
  - Click “Current Students”
  - Click “Candidacy and Graduation Deadlines”
How To Submit Forms

• Download forms from MSE forms web page.
• Complete forms with Adobe Reader in PDF mode (not PDF/A mode) Google how to switch to PDF mode.
• Attach form and any supporting documents to email to lwesley@intelleexus.com preferred, but can also send to Leonard.Wesley@sjsu.edu
• You will receive “Received” email reply with 2-3 days. If not, assume form was not received.
• Try to use a PC, Mac has incompatibilities.
• Do not use the Google Chrome Browser!
MSE Student Advising Webpage

- MSE
  http://generalengineering.sjsu.edu/students/advising/
Satisfying The Graduate Writing Assessment Requirement (GWAR)

- Starting Spring 2009 (Must take ENGR 200W) unless undergraduate degree is from a CSU Institution or an approved English Speaking US university.

- GWAR waiver form is now available. Read for conditions for waiving this requirement.
Probation & Disqualification

- You will be placed on probation if overall GPA is below 3.0
- Must maintain a Semester GPA > 3.0 until overall GPA is at least 3.0
- If semester GPA is 3.0 or lower, AND you are on probation, then you will be disqualified.
- If disqualified, then you need to submit a Reinstatement Petition AND reapply for admission.
- See MSE Advising web page for more info
CPT & OPT

• **CPT: Career Practical Training (ENGR 297I 3 units)**
  – Must have completed 2 consecutive semesters of 9+ units each semester to be eligible.
  – Cannot be on probation or disqualified
  – Must have offer letter from potential employer

• **OPT: Optional Practical Training**
  – OPT-PRE: (apply within 90 days of graduation)
  – OPT-POST: (apply within 60 days after graduation)
Reduced Course Unit Load Form
For International Students

• International students must be full time (i.e., 9+ units per semester)

• Two conditions when you can take less than 9 units
  – First semester of study: The reason MUST be to become acclimated to the academic environment
  – When you have completed your degree course work and only have project/thesis courses to complete (i.e., ENGR 281, ENGR 298/299) left
    • EXAMPLES:
      » ENGR281 (no other degree courses) then ENGR298
      » ENGR281 (finishing up degree courses) then ENGR298
      » ENGR 298 (no other degree courses)
      » ENGR 298 (finishing up degree courses)

• Can make up 9 units in course work from SJSU+Other local colleges *(check with IPS office)*
Where To Get Information

• MSE/GES web site: http://www.engr.sjsu.edu/ges/
  – See Student -> Advising -> MSE Student Champions

• GS&R web site: http://www.sjsu.edu/gradstudies/

• MSE Q&A Sessions held once per month. Check “NEWS” items on the MSE web page

• Join the SJSU_MSENGR_Student Google Group at
Important Dates

See [http://www.sjsu.edu/provost/Academic_Calendars/2012-13_AY_Calendar_REVISED..pdf](http://www.sjsu.edu/provost/Academic_Calendars/2012-13_AY_Calendar_REVISED..pdf)

- August 15 – Advance Registration closes at 11:59PM.
- August 22 – First day of instruction. You must attend first class else instructor has permission to drop you unless you contact them before the first class.
- Sept 3– Labor Day, campus closed
- Sept 4 – Last day to drop without a "W" grade
- Sept 11– Last day to add classes & register late
- Nov 12 – Veterans Day, campus closed
- Nov 22-23 – Thanksgiving holiday, campus closed
- Dec 10 – Last day of instruction
- Dec 12-18 Final Exams, Dec 19, Final Exam Make Up Day, Grades posted after December 21st.
MSE Suggestions

• Finding Projects, Project Advisors, Internships, and Employers.