Professional Development at BCOE

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Professional Development Officer

- Supervise and facilitate all professional engineering student organizations at BCOE
- Organize and host all special events, e.g. outreach events, research conferences, etc.
- Assist students on career development, e.g. resume writing, interview skills, work-study, internship, and full time work opportunities.
- Oversees all undergraduate research programs in engineering fields.
Professional Student Organizations

- BCoELC (Leadership Council)
- ACM (Association of Computing Machinery)
- AIChE (American Institute of Chemical Engineers)
- AWMA (Air and Waste Management Association)
- ASME (American Society of Mechanical Engineers)
- BMES (Biomedical Engineering Society)
- EWB (Engineers Without Border)
- IEEE (Institute of Electrical and Electronics Engineers)
- MRS (Materials Research Society)
- NSBE (National Society of Black Engineers)
- SHPE (Society of Hispanic Professional Engineers)
- SAE (Society of Automotive Engineers)
- SWE (Society of Women Engineers)
- TBP (Tau Beta Pi) – Honors Society
- SACNAS (Society for Advancement of Chicanos and Native Americans in Science) – NEW
- ION (Institute of Navigation) – NEW
- OSA (Optical Society of America) – NEW
Professional Activities

- Leadership Training (late September)
- Fall Welcome (early October)
- Engineering Week (late February)
- Regional and National Conferences
- Alumni and Career Connection Events
- Engineering Design Competition
- International Projects Competition
- and many more…
Major Outreach Activities

- Bourns College of Engineering & Girl Scouts Summer Camps:
  - “Minds for Design”
  - “Engineer IT Girl – Robotics!”
- Society of Women Engineers (SWE):
  - Bourns Space Science and Engineering Day
  - “WOW! That’s Engineering” Day
  - Read Across America Day
- Institute of Electrical and Electronics Engineers:
  - Merit Badge Fairs
- Biomedical Engineering Society:
  - Kids Klub for elementary students
ACM & IEEE Outreach Activities
ACM Professional Activities

- ACM Southern California Regional Programming Contest at RCC
ASME HPV Competition
SAE Formula Car Competitions
SWE Space Sci and Eng Day
Diversity Professional Conferences
Engineers Without Borders
Undergraduate Research
Undergraduate Research Programs

» UCLEADS – UC Leadership through Advanced Degree (http://www.graddiv.ucr.edu/UCLEADS.html)

» MSRIP – Mentor Summer Research Internship Program (http://www.graddiv.ucr.edu/MSRIP.html)

» CAMP (http://www.camp.ucr.edu/opps.html)

» MY-BEST Program (http://www.engr.ucr.edu/mybest/)

» CE-CERT Research Center (http://www.cert.ucr.edu/)

» Summer REU Programs (http://www.engr.ucr.edu/urop)

» CCRAA/HSI Undergraduate Research Program
IMPACT Mentoring Program

- IMPACT - Industrial Mentorship for Professional Advancement and Career Training
- 35 professional engineer mentors from top engineering companies / organizations
Engineering Design Project

Wind Turbine Design & Modeling
# Engineering Career Development

## Professional Development Milestones Diagram

<table>
<thead>
<tr>
<th>Class Level</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
<th>Summer</th>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Introduction To Career Path Milestones</td>
<td>Faculty Informational Interview</td>
<td>First Resume</td>
<td>Faculty Informational Interview</td>
<td>Or, select each MILESTONE</td>
<td>Updated Resume</td>
<td>Mock Interview</td>
<td>Updated Resume</td>
<td>Mock Interview</td>
<td>Submit Job Applications</td>
<td>Job Acceptance</td>
</tr>
<tr>
<td>Sophomore</td>
<td>First Resume</td>
<td>Faculty Informational Interview</td>
<td>First Resume</td>
<td>Faculty Informational Interview</td>
<td>Or, select each MILESTONE</td>
<td>Updated Resume</td>
<td>Mock Interview</td>
<td>Updated Resume</td>
<td>Internship</td>
<td>Internship</td>
<td>FE Exam</td>
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<tr>
<td>Junior</td>
<td>Networking Project</td>
<td>Research Assignment</td>
<td>Research Assignment</td>
<td>Research Assignment</td>
<td>Or, select each MILESTONE</td>
<td>Updated Resume</td>
<td>Mock Interview</td>
<td>GRE Exam</td>
<td>Grad School Application</td>
<td>Grad School Commitment</td>
<td></td>
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<tr>
<td>Senior</td>
<td>Or, select each MILESTONE</td>
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- **1**: Introduction To Career Path Milestones
- **2**: Join a Professional Organization
- **3**: First Resume
- **3+**: Faculty Informational Interview
- **5**: Updated Resume
- **6**: Mock Interview
- **8**: Updated Resume
- **10**: GRE Exam
- **10+**: Grad School Application
- **12**: Grad School Commitment
- **13**: FE Exam
- **14**: Job Acceptance
- **14+**: Grad School Commitment

**Notes**:

- ▲ = Alternate Milestone Leading to Graduate School
- □ = Successful Completion of Milestones
Employment Status

Average Salaries by College

- **BCOE**: Bourns College of Engineering
- **CHASS**: College of Humanities, Arts & Social Sciences
- **CNAS**: College of Natural & Agricultural Sciences
- **SOBA**: School of Business Administration
- **GSOE**: Graduate School of Education

*Masters and Doctorate Graduates Only*

Average Undergraduate Salary: $41,082
Average Graduate Salary: $70,701

Location of Employment

- Inland Empire: 42%
- Los Angeles County: 21%
- Orange County: 14%
- Other States: 9%
- Northern California: 7%
- San Diego County: 4%
- International: 3%
Status 6 Months After Graduation

70.6% of students seeking employment had secured a position within six months after graduation.
Career Opportunities
Contact Info

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