Meet the IDEA Center Team

**Terrance Mayes**  
Director

**Gennie Miranda**  
Assistant Director/Retention Programs

**Melinda Beyerle**  
Student Life Coordinator

**Aisha Hollins**  
Outreach & Recruitment Coordinator
**Outreach and Recruitment**

**Goals:** Increase K-14 student knowledge and interest in engineering and motivate them to pursue higher education in an engineering field

- Centralized coordination of existing school-wide outreach activities
- Targeted prospective graduate student outreach (NSBE, SHPE and SWE conferences, GEM and other minority fellowships.
- Targeted Undergraduate Outreach (4th and 5th Quintile Schools, Magnet/Technology Schools, Community Organizations)

**Goal:** Increase the percentage of African American, Hispanic, Native American, and female students that apply to and enroll in the Jacobs School of Engineering.

- Assessment Metric: 10% increase in URM applications to Engineering, 5% increase in accepts
- Yield Events (Admit Days, NSBE/SHPE Recruitment Breakfast with Deans)
- Faculty and Post-Doc Recruitment: Center helps to identify and maintain a database of prospective candidates
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 3, 2011</td>
<td>MESA Day at UC San Diego, Price Center, 200 middle and 100 rural high school students.</td>
</tr>
<tr>
<td>February 11, 2011</td>
<td>UC Edge Tour &amp; Social Hour at UC San Diego, Calit2, 27 prospective graduate students.</td>
</tr>
<tr>
<td>February 20, 2011</td>
<td>UCSD Vietnamese Student Association High School Conference at UC San Diego, Price Center, 45 high school students</td>
</tr>
<tr>
<td>February 24-26, 2011</td>
<td>Emerging Researchers National (ERN) Conference, Washington, DC, 29 prospective graduate students</td>
</tr>
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</table>
Upcoming Activities Include:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacobs Scholars Recruitment (In Progress)</td>
<td></td>
</tr>
<tr>
<td>Underrepresented Student E-mail, Calling Campaign (Yield Activities)</td>
<td>Late March/Early April</td>
</tr>
<tr>
<td>March 26, 2011 – San Diego Science Festival</td>
<td></td>
</tr>
<tr>
<td>April 2, 2011 – Jacobs/BE WISE Girls Outreach Event</td>
<td></td>
</tr>
<tr>
<td>April 9, 2011 – Breakfast With The Deans (Hosted by NSBE &amp; SHPE)</td>
<td></td>
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</tbody>
</table>
Student Life

Goals

- **Short-Term**
  - Secure meeting spaces for student organizations able to “check-out” whenever needed
    - Large space for GBMs
    - Small space for council/committee meetings
  - Host a org-wide “meet-and-greet” in Spring Quarter with incoming and outgoing officers

- **Long-Term**
  - Funding sources orgs are able to apply to, for various events and activities
  - Open space accessible by all students with seating, tables, computers, printers
Student Life
Recent Activities

Undergraduate Student Events
- NAESC Western Regional Conference
- E-Week^2
  - Enspire
  - Outreach event for 400+ Middle School students
- DECaF
  - Largest engineering career fair on campus with 75 companies
- E-Games
  - School-wide day of fun activities that put student learning to the test

Graduate Student Events
- Jacobs Innovators Forum: Engineering in Medicine
  - Graduate student research presentations and dinner
- Jacobs Community Coffee Hours
  - Social hour for graduate community
Student Life

Future Activities

Undergraduate Student Events
- SPAWAR Girls Day Out – Saturday, April 30
- Junkyard Derby – Friday, May 6
- Ring Ceremony – Saturday, June 11

Graduate Student Events
- Research Expo and Reception – Thursday, April 14
- Jacobs Community Coffee Hour – Wednesday, May 4
- Jacobs GRADuation Celebration – Thursday, June 9
- Jacobs Innovators Forum – Wednesday, July 13
## Retention and Graduation Rates

### Jacobs School of Engineering Undergraduate Graduation Rates

#### Fall 2000 - Fall 2005 Admits

Graduation by June 2010

<table>
<thead>
<tr>
<th>Freshmen Receiving Eng Degree</th>
<th>Total</th>
<th>African American</th>
<th>Chicano/Latino</th>
<th>Asian American</th>
<th>White</th>
<th>Foreign &amp; Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>2,647</td>
<td>16</td>
<td>168</td>
<td>1,359</td>
<td>799</td>
<td>305</td>
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<tr>
<td>No</td>
<td>2,236</td>
<td>35</td>
<td>303</td>
<td>1,000</td>
<td>670</td>
<td>228</td>
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<tr>
<td>Total</td>
<td>4,883</td>
<td>51</td>
<td>471</td>
<td>2,359</td>
<td>1,469</td>
<td>533</td>
</tr>
<tr>
<td>Yes %</td>
<td>54%</td>
<td>31%</td>
<td>36%</td>
<td>58%</td>
<td>54%</td>
<td>57%</td>
</tr>
<tr>
<td>No %</td>
<td>46%</td>
<td>69%</td>
<td>64%</td>
<td>42%</td>
<td>46%</td>
<td>43%</td>
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</table>

<table>
<thead>
<tr>
<th>Transfers Receiving Eng Degree</th>
<th>Total</th>
<th>African American</th>
<th>Chicano/Latino</th>
<th>Asian American</th>
<th>White</th>
<th>Foreign &amp; Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>1,301</td>
<td>15</td>
<td>76</td>
<td>421</td>
<td>306</td>
<td>483</td>
</tr>
<tr>
<td>No</td>
<td>499</td>
<td>9</td>
<td>56</td>
<td>144</td>
<td>147</td>
<td>143</td>
</tr>
<tr>
<td>Total</td>
<td>1,800</td>
<td>24</td>
<td>132</td>
<td>565</td>
<td>453</td>
<td>626</td>
</tr>
<tr>
<td>Yes %</td>
<td>72%</td>
<td>63%</td>
<td>58%</td>
<td>75%</td>
<td>68%</td>
<td>77%</td>
</tr>
<tr>
<td>No %</td>
<td>28%</td>
<td>38%</td>
<td>42%</td>
<td>25%</td>
<td>32%</td>
<td>23%</td>
</tr>
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</table>
“Promote a high level of collaborative learning amongst the student community to achieve positive outcomes such as improved academic performance, improved retention, enhanced student satisfaction with the learning experience, improved oral communication skills, and higher student self-esteem.”*

Add value to students’ individual knowledge, skills, abilities, and attitudes.

Promote the healthy well-being of Jacobs School students, faculty and staff.

Retention

Current Activities

Academic Success of URM Students

- Summer PreP (Pre-Freshman & Pre-Junior)
- Mentoring
- Study Groups
- Tutoring
- Orientation to Eng Course Series
- Student Organizations
Retention

Future Activities

- Summer PreP for pre-junior students
- Monitor impact of retention activities
- Goal: 65% third year retention
- Increasing number of IDEA Scholars who go through our retention programs
Next Steps

- Update Website
- IDEA Student Center Branding
- Secure Corporate/Foundation Funding
- Plan for Summer PrEP program & IDEA Scholars- Cohort 1
- Reconvene the following committees:
  - Summer Bridge
  - K-14 Outreach & Recruitment
  - Retention