Pieper Professorship for Servant-Leadership
Pieper Professorship for Servant-Leadership

- The Pieper Family Foundation’s visionary support will enable enriched programming and opportunities for students to grow into thoughtful and generous servant-leaders.

A Profound Thank You

- The Pieper Family Foundation to commitment in developing student leaders offers the UW-Madison College of Engineering an extraordinary opportunity.
- We look forward to working with you as partners in helping students see the larger world they exist in, and how they may help others through ethical decisions, and genuine service.
Past & Present: Practice and Data

- Benchmarking data
- Coursework
- Service projects
- Research
Benchmarking with Peers

- **Source:**
  - Engineering Student Assessment Benchmarking Project: designed to provide comparative feedback from graduating undergraduate students regarding their Engineering Student experience.

- **Question Scale**
  - The factor and question analysis is based on the numbered questions in the survey which are designed to gather perceptions of the participants across a variety of content areas. These questions rely on a 1 to 7 scale with “1” indicating either strong disagreement or being very dissatisfied and “7” indicating either strong agreement or being very satisfied.

- **Factors**
  - Factors (also called constructs) are statistical grouping of questions. Conceptually, factors describe a broader concept while questions describe specific items. For more information, please see the supplemental information section.

- **Questions related to “Factor 4: Team & Extracurricular Activities”**
  - Q27: Satisfaction with value derived from team experiences
  - Q28: Satisfaction with value of engineering program student organization activities
  - Q29: Satisfaction with Leadership Opportunities in Engineering program's extracurricular activities
Team & Extracurricular Activity (Factor 4 Qs)

Level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions

2004 2005 2006 2007 2008 2009
Team Experiences

Graph showing the level of satisfaction from 2004 to 2009. The y-axis represents the level of satisfaction from 1-7 (7 = highest), and the x-axis represents the years 2004 to 2009.

- **UW** (blue diamond) indicates the level of satisfaction for the University of Washington.
- **Select 6** (red square) represents the satisfaction for a group of select institutions.
- **Carnegie Class** (orange triangle) shows the satisfaction for Carnegie Class institutions.
- **All Institutions** (blue cross) represents the overall satisfaction for all institutions.

The graph illustrates the trend of satisfaction levels over the years for different groups of institutions.
Student Organization Activities

level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions
Leadership Opportunities

Level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions
Academic Advising – Faculty

- Level of satisfaction from 1-7 (7 = highest)
- Graph showing data for UW, Select 6, Carnegie Class, and All Institutions
- Data points for years 2004 to 2009
Ability to Work in Teams

level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions

2004 2005 2006 2007 2008 2009
Level of Camaraderie

The chart shows the level of satisfaction from 1-7 (7 = highest) for different categories over the years 2004 to 2009.

- **UW**
- **Select 6**
- **Carnegie Class**
- **All Institutions**
Ability to Function on Multidisciplinary Teams

level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions

2004 2005 2006 2007 2008 2009
Understanding of Ethical Responsibility

level of satisfaction from 1-7 (7 = highest)

- UW
- Select 6
- Carnegie Class
- All Institutions
Extent Program Experience
Fulfilled Expectations

level of satisfaction from 1-7 (7 = highest)

UW
Select 6
Carnegie Class
All Institutions
Alumni Survey Results

1. Please indicate to what extent your overall College of Engineering (CoE) educational experience contributed to your skills and knowledge in the following ways:

<table>
<thead>
<tr>
<th>Skill Description</th>
<th>Very Significant</th>
<th>Significant</th>
<th>Neutral</th>
<th>Insignificant</th>
<th>Very Insignificant</th>
</tr>
</thead>
<tbody>
<tr>
<td>An ability to organize individuals or groups to achieve a specific goal.</td>
<td>24%</td>
<td>52%</td>
<td>18%</td>
<td>5%</td>
<td>0%</td>
</tr>
<tr>
<td>An ability to create effective and productive relationships.</td>
<td>30%</td>
<td>45%</td>
<td>17%</td>
<td>6%</td>
<td>1%</td>
</tr>
<tr>
<td>An ability to overcome adversity.</td>
<td>28%</td>
<td>47%</td>
<td>18%</td>
<td>7%</td>
<td>1%</td>
</tr>
<tr>
<td>An ability to create and articulate a vision.</td>
<td>9%</td>
<td>50%</td>
<td>28%</td>
<td>11%</td>
<td>1%</td>
</tr>
<tr>
<td>An ability to coach, mentor and develop others.</td>
<td>18%</td>
<td>37%</td>
<td>28%</td>
<td>14%</td>
<td>3%</td>
</tr>
<tr>
<td>An ability to assume risk.</td>
<td>11%</td>
<td>39%</td>
<td>32%</td>
<td>15%</td>
<td>3%</td>
</tr>
</tbody>
</table>

Respondents: 602
7. Which of the following have you done since graduation?

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied your undergraduate education in solving real-world problems in</td>
<td>85%</td>
</tr>
<tr>
<td>your sphere of influence.</td>
<td></td>
</tr>
<tr>
<td>Mentored a student or colleague.</td>
<td>70%</td>
</tr>
<tr>
<td>Volunteered for a community service project or organization.</td>
<td>65%</td>
</tr>
<tr>
<td>Served on a board or committee in a professional and/or non-profit</td>
<td>30%</td>
</tr>
<tr>
<td>organization.</td>
<td></td>
</tr>
<tr>
<td>Other, please specify</td>
<td>9%</td>
</tr>
<tr>
<td>Served as an elected official for a public service organization.</td>
<td>2%</td>
</tr>
</tbody>
</table>

Respondents: 579

Top Other Responses:
- Grad school
- MBA
- PhD
- Started Business
- Leadership/Management
12. If you answered yes to question 11, please indicate which type of community-based organization you are involved in (check all that apply).

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Service</td>
<td>31%</td>
</tr>
<tr>
<td>K-12</td>
<td>26%</td>
</tr>
<tr>
<td>Neighborhood</td>
<td>25%</td>
</tr>
<tr>
<td>Children and Families</td>
<td>19%</td>
</tr>
<tr>
<td>Environmental Protection</td>
<td>13%</td>
</tr>
<tr>
<td>Social Justice</td>
<td>7%</td>
</tr>
<tr>
<td>Other, please specify</td>
<td>30%</td>
</tr>
</tbody>
</table>

Top Other Responses:
- Religious
- Athletic
- Education (teaching)
- Aid (Habitat for Humanity, Humane Society, Homeless shelter, Food Pantry)

Respondents: 214
Alumni Survey Results

15. Why are you involved in these organizations (check all that apply)?

- To give back to the community: 63%
- You believe in the organization’s purpose and mission: 57%
- To network and/or socialize with others outside of work: 56%
- To help people in need: 54%
- To network and gain experience in your field: 31%
- To learn more about a particular issue and/or explore new interests: 23%
- A friend asked you to participate: 19%
- The organization has dynamic leadership: 7%
- Other, please specify: 6%

Top Other Responses:
- Educate the youth
- Help the environment

Respondents: 418
Benchmarking Student Participation

Numbers are estimates based on student reported data at the beginning of each fall semester. Organizations may continue to increase membership throughout the year.
Engineering Alumni Entering Service with the Peace Corps

- University of Michigan - Ann Arbor: 26
- University of Wisconsin - Madison: 16
- Purdue University - West Lafayette: 16
- University of California - Berkeley: 12
- University of Texas - Austin: 8
- University of Illinois - Urbana: 5

2004-2008
Fall 2009 Dean’s Leadership Class Student Evaluations

The instructor was receptive to questions and comments
The goals of the course were clearly stated and corresponded to the course content
The instructor was well organized and used effective presentation techniques
The instructor demonstrated the significance of the material, used realistic examples, and stimulated my...
Based on my learning experience, I would recommend this class to a friend
The instructor motivated me to continue learning effective communication practices
My overall rating of the instructor is
The instructor was available when needed and requested
The instructor prepared clear and useful assignments and handouts
The instructor provided useful and timely feedback through marked assignments and handouts
2009 CEE Leadership Class
Student Evaluations

Evaluation of Instructor: 3.83
Evaluation of Instructor relative to other Instructors: 4.86
Evaluation of Class: 3.96
2009 Student Accomplishments

- **Engineers Without Borders**
  - Led a book drive for Kano State University library in Nigeria
  - Received Gold Award for Haiti project at the U.N. Mondialogo Engineering Award (MEA) Competition in Germany
  - Awarded Kaufman Grant for Red Cliff, WI project
  - Coordinating TEAMS competition for high school students this spring

- **Habitat for Humanity**
  - Led four Alternative Winter Break Trips for UW students
  - Received State Farm Grant for fundraising initiative
  - Raised over $12,000 through annual Rake-a-Thon event
Civil and environmental engineering students Jonathan Blanchard, Kevin Omer and David Tengler receive a plaque from five communities in Ecuador that will benefit from a new water pipeline the students implemented in June.
Habitat for Humanity
The Allah family

Born Logic and Rayson Allah
Research

- Leading from the heart work
Future Directions: Theory, Practice & Data

- Implement and assess on-line leadership and sustainability classes
- Create leadership award and scholarship
- Initiate College of Engineering-wide service projects
- Host a Student Leadership Conference or Retreat
- Host a College of Engineering Leadership Workshop for students, faculty, and staff
- Promote student participation in Leadership Conferences
- Facilitate Travel-Abroad Service Projects
- Explore starting and sustaining a mentoring program
Questions??