Women’s Engineering Network is a program fully developed and administered by students for the sole purpose of helping other female students build their network within the School of Engineering and Technology and relevant professional fields. We strive to empower individuals toward academic, personal, and professional success by giving opportunities and guidance along the way.

Contact us at: etmentor@iupui.edu
Developing and Managing a Student Led Peer Mentoring Program for Female Engineers at IUPUI

Women’s Engineering Network
Suzanne Drumm, Kathryn Peterson, Katie Pfeiffer & Nicole Stout
October 7, 2017
Suzanne Drumm

- 3rd year student at IUPUI
- Mechanical Engineering
- Knightstown, Indiana
- Rolls-Royce
  - Developed requirement tracking documents
KATHRYN PETERSON

- 4th year student at IUPUI
- Biomedical Engineering
- Fountaintown, Indiana
- Roche
  - Implemented different insulin bolus calculator concepts published in literature and evaluated their respected effectiveness
KATIE PFEIFFER

- 2nd year student at IUPUI
- Electrical Engineering
- Bloomington, Indiana
- Naval Surface Warfare Center, Crane Division
  - Coded Graphical User Interface in Matlab
  - Created hardware diagrams and user manuals
NICOLE STOUT

• 5th year student at IUPUI
• Motorsports Engineering
• Cleveland, Ohio
• Goodyear Tire and Rubber Co.
  • OEM Tire Research and Design
  • Race Tire Design and Programming
  • Vehicle Dynamics
First Year Student Support

• Required First Year Seminar Courses
• Themed Learning Community
  • 3-4 courses connected by a theme
  • 25 students
• Summer Bridge
  • Starts 2 weeks before classes
  • FYS completed before semester start
  • Campus acclimation
• Peer Led Team Learning
Program Development

• Development Committee
  • 6 Students
    • Various Majors & Year of Study
    • Transfer Student & Second Degree Seeking Student

• Weekly Planning Meetings
  • Program Objectives
  • Structure
  • Administration
Mentor Training

- Monthly Training
  - SMART Goals
  - Career Fair Preparation
  - Learning Styles
  - Mid-semester Review
  - Time Management
EXECUTIVE BOARD RESPONSIBILITIES

Roles/Jobs/Positions
• Katie: Social Media, October Event
• Nicole: Check Email, September Event
• Suzanne: Feedback Forms, December event
• Kathryn: Event Flyers, November event
WEN SPONSORED EVENTS

Professional
• Career Fair Preparation
• Resume Review
• Research Opportunities
• Professional Speed Dating

Social
• Pumpkin Painting
• Movie Nights
• Volunteering
• Ice Skating
• Cookies and Canvas
Mentor Perspective – Suzanne Drumm

• Overall experience
• Difficulties with Mentees
• Mentor & Mentee Relationships
• WEN Effects
Lessons Learned & Improvements Made: Participation

Issues
• Event time selection
• Event advertising
  • Semester calendar
  • Email reminders
• Attendance limited to WEN members only

Solutions
• Avoided common freshman class times
• Frequent reminder emails
• All E&T females invited to events
  • Mass email sent prior to events
  • Social media
Lessons Learned & Improvements Made: Feedback Forms

WEN Mentor Feedback Form

Please fill out form and save as "firstname_lastname_date" and upload into box file.

Mentor: ___________________________ Meeting Date: ____________

Briefly describe your meeting:

Please fill out below table using the scale below:

<table>
<thead>
<tr>
<th>Mentor</th>
<th>Academics</th>
<th>Study Skills</th>
<th>Social Life</th>
<th>Campus Involvement</th>
<th>Home/Dorm Life</th>
</tr>
</thead>
</table>

Notes:

Additional comments you would like to add:

Additional Comments

Please submit the form through Google Forms.

With Mentor/Meetee Meeting Form

Please fill out this form during each meeting and return this to the folder in front of Tami's office.

Mentor: ___________________________ Meeting Date: ____________

Mentee: ___________________________

Briefly describe your meeting:

Where you met:

Why you met (休憩, meeting, emergency, just because, etc.):

What you talked about:

Please fill out the scale using the following scale:

Excellent 1 2 3 4 5 Doing Great

Mentor: ___________________________ Meetee: ___________________________

Mentee Signature: ___________________________ Date: ____________

Meetee Signature: ___________________________ Date: ____________

Mentee Signature: ___________________________ Date: ____________

Mentee Signature: ___________________________ Date: ____________
Lessons Learned & Improvements Made: Mentor Matching

1\textsuperscript{st} Year
- Mentors filled out applications
  - Hobbies
  - hometown
  - Major
  - Involvement
- Executive Board made groups

2\textsuperscript{nd} and 3\textsuperscript{rd} Years
- Mentoring Groups were not made until after first event
- Mentees were given the opportunity to choose top 3 mentors
- Requests were fulfilled
Conclusions

• Program Goals
  • Continuous Growth
  • Commonly Known Program in E&T School
  • Connect Females From Grade School to Professionals
BY STUDENTS, FOR STUDENTS.
Thank you!

QUESTIONS?

Contact us at: etmentor@iupui.edu