

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

Mentor Feedback Form

Please fill out form and save as "mentorname_date" and upload into your box file

Mentor: _____ Meeting Date: _____

Briefly describe your meeting:

Please fill out below table using the scale below:

Red Flag 1 2 3 4 5 Doing Great
Scale

| Mentee | Academics | Study Skills | Social Life | Campus Involvement | Home/Dorm Life |
|--------|-----------|--------------|-------------|--------------------|----------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Notes:

Additional comments you would like to add:

WEN Mentor Feedback Form

Please fill out after each mentor meeting

* Required

Name *

Your answer

Meeting Date *

Date

mm/dd/yyyy

Location and Length *

Your answer

Mentees in Attendance *

Your answer

Meeting Description *

(academics, study skills, social life, campus involvements, home/dorm life, etc.)

Your answer

Concerns *

Your answer

Additional Comments

Your answer

SUBMIT

Never submit passwords through Google Forms.

WEN Mentor/Mentee Meeting Form

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

Mentor: _____ Meeting Date: _____

Mentee: _____ Mentee: _____

Mentee: _____

Briefly describe your meeting:

Where you met:

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

What you talked about:

Please fill out the table using the following scale:

Red Flag 1 2 3 4 5 Doing Great

| Mentee | Academics | Study Skills | Campus Involvement | Home/Dorm Life |
|--------|-----------|--------------|--------------------|----------------|
| | | | | |
| | | | | |
| | | | | |

Please add any additional notes/comments on the back of this page.

Mentor Signature: _____ Date: _____

Mentee Signature: _____ Date: _____

Mentee Signature: _____ Date: _____

Mentee Signature: _____ Date: _____

Lessons Learned & Improvements Made: Mentor Matching

1st Year

- Mentors filled out applications
 - Hobbies
 - Hometown
 - Major
 - Involvement
- Executive Board made groups

2nd and 3rd 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