

Women in Engineering

Presenters

Vina N

Year: Senior

Major: Electrical Engineering and Computer Science

Email:

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Year:

Major: Chemical-Biological Engineering

Email:

Feel free to email us any questions you have!

Presentation Notes

What is Engineering?:

Engineering links scientific discovery with everyday applications. It uses math and science knowledge to solve problems and design new products and technology. Engineers work on everything from buildings and agriculture to medicine and computers.

Benefits of being an Engineer :

- Challenging/stimulating
- Impact on society
- Useful skills applicable to other jobs
- Developing new products
- Good pay

Preparing for Engineering:

It's important to have a strong academic record that shows you've challenged yourself by taking more advanced courses. Colleges also like to see that you've improved over time.

Classes:

- Typically up to trigonometry and pre-calculus
- Calculus and AP Calculus recommended
- Biology, physics, chemistry
- Four years of English

What Now?

Opportunities in Kentucky:

- UK BEST: <http://www.engr.uky.edu/outreach/BESThomepage.htm>
- Mathcounts: <http://www.kyengcenter.org/Mathcounts/mathcnts.htm>
- CyberCave Academy: <http://www.murraystate.edu/tsm/cybercave/>
- Kentucky Science and Engineering Fair: <http://www.kysef.eku.edu/>
- Kentucky Engineering Center: <http://www.kyengcenter.org/index.htm>
- Central Kentucky Regional Science and Engineering Fair (Affiliated with Pulaski and surrounding counties)
- Search local colleges to learn more about their engineering programs: University of Kentucky, University of Louisville, Murray State University, Northern Kentucky University

Nationwide Programs

- MIT Women's Technology Program: <http://wtp.mit.edu/index.html>
- CalTech Young Engineering and Science Scholar Program: <http://www.y.caltech.edu/yess.html>
- Research Science Institute: <http://www.cee.org>
- MIT Minority Introduction to Engineering, Entrepreneurship and Science: <http://web.mit.edu/mites/www/>
- Siemens Competition in Math, Science, and Technology: <http://www.siemens-foundation.org/en/competition.htm>
- FIRST Robotics Competition: <http://www.usfirst.org/>