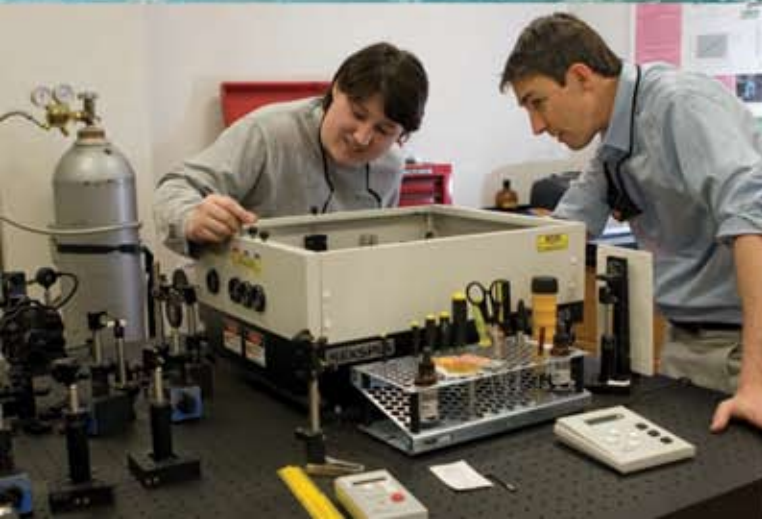


Summer Engineering Course at Sweet Briar College July 19 - 24, 2009



Course Summary

Sunday, July 19, 2009

- Arrive 4-5:30 p.m.
- Meet and greet other student engineers
- Move into dorm rooms and meet roommate
- Tour of Sweet Briar's campus
- Dinner with faculty and students
- Welcome and introduction to Sweet Briar Engineering

Monday - Thursday, July 20-23, 2009

- Breakfast with students
- Hands-on engineering design activities
- Explore aspects of engineering design while learning to work in groups
- Learn engineering computer tools
- Lunch
- Group project incorporating robotics, structural design and much more
- Explore research design projects (machine shop, aerodynamic efficiency lab and robotics research lab)
- Dinner and discussion with successful women engineers

Friday, July 24, 2009

- Breakfast with groups
- Final preparations for competition
- Competition in Guion Science Building
- Luncheon at SBC's Boathouse with family and faculty
- Award ceremony
- Depart 2 p.m.

- This course is for college credit (1 credit hour).
- This event is for rising female seniors (class of 2010) and juniors (class of 2011).
- Visit www.engineering.sbc.edu for an online application.
- The deadline for the application is June 25, 2009.
- A \$100 deposit is due with the application, the total cost of the course is \$250.
- Scholarships are available. For more information, see the course application online.
- Can't come to the summer course? Visit us during our fall or spring Explore Engineering weekends. Check out our Web site for more details.
- Sweet Briar offers significant merit- and need-based academic scholarships for qualified engineering students, including awards of \$10,000 per year for four years supported by the National Science Foundation.



Summer Engineering Course

For more information contact:

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www.engineering.sbc.edu

Check out our facebook group *Sweet Briar Engineering and Physics*

Try on engineering and earn college credit!

Engineers use their imagination and analytical skills to invent, design and create things that matter. Did you know that engineers save more lives than doctors? By dreaming up creative and practical solutions, engineers are changing the world everyday.

At our weeklong event, you'll learn about the supportive and challenging environment at Sweet Briar, where classes are small and student and faculty interaction is high.



Participants will earn one college credit hour while exploring the many aspects of engineering.

Course description:

ENGR 101 – Exploring Engineering Design (1 credit)

Students will apply the engineering design process to solve various problems in a team setting. An emphasis will be placed on engineering design as a creative process. Students will explore the iterative design-test-improve cycle using tools such as three-dimensional computer-aided design and analysis software.

SWEET BRIAR
ENGINEERING

Guion Science Center
Sweet Briar, Virginia 24595

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Imagine
Explore
Create

SWEET BRIAR
COLLEGE