

SUMMER ENGINEERING COURSE

FOR HIGH SCHOOL GIRLS

Sweet Briar College

July 24-29, 2011



{ SCHEDULE }

Sunday, July 24, 2011

Arrive 4:30 – 5:30 p.m., dinner

Monday-Thursday, July 25-28, 2011

The course is built around several hands-on, team-based engineering design challenges.

In the course you will:

- Do engineering design while learning to work in groups.
- Turn your ideas into reality.
- Earn college credit.
- Work with college engineering majors.
- Interact with expert engineering faculty members.
- Meet with successful women engineers from area companies.
- Stay in college dorms with student mentors.
- Have fun!

Friday, July 29, 2011

- Project exhibition, 10:30 a.m.-noon (families invited!)
- Award ceremony and lunch, noon-1:30 p.m. (families invited)
- Depart 2 p.m.

{ COURSE SUMMARY }

This event is for rising female seniors (class of 2012) and juniors (class of 2013).

Visit sbc.edu/engineering for an online application.

The deadline for the application is June 25, 2011. Registration received by May 15 will have highest priority.

A \$100 deposit is due with registration. Total participant cost is \$550, which includes all meals, lodging, supplies and tuition.

Need-based course 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 website 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.



For more information contact:

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Director, The Margaret Jones Wyllie '45 Engineering Program

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sbc.edu/engineering



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 week-long 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.

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Guion Science Center
Sweet Briar, Va. 24595

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