



NIU—ENHANCING ENGINEERING PATHWAYS (NIU-EEP) INTEGRATED OUTREACH AND MENTORING PROGRAMS PRESENTS

12 Saturday Engineering Workshops (SEW) & Summer Camp For Girl Scouts in grades 5 - 8 to Explore Engineering!!

Into its tenth year and geared for Girl Scouts in grades 5 - 8, these workshops challenge participants to sharpen their math, science and technology skills as they discover engineering! Girls will work in small groups assisted by women faculty from NIU, female engineering undergraduates and high school mentors on various engineering projects ranging from building simple electrical circuits to create sound, motion and light to bridge-building to experiencing chemical engineering and lean simulation. Teaming up Girl Scout Cadettes, Seniors, and Ambassadors, engineering undergraduates, graduates and women engineers from the academic and corporate world through hand-on activities and an interactive web will provide a wonderful mentoring community to foster the development of the next generation of scientists and engineers!! Girls will also participate in one STEM expo, of their choosing, outside of the 12 SEW and Summer Camp. Examples of outside STEM expos include school science fairs, science nights, STEM fest or library fairs focusing on STEM.

WHO?

Girl Scouts in grades 5, 6, 7 and 8

WHEN?

Nov. 11 & 18, Dec. 2 & 9, Feb. 10 & 24 (3 hr workshop), March 3 & 17 (3 hr workshops),
April 7 & 21 (3 hr workshops), May 5 & 12 (3 hr workshops)
Time: 8:00 to 10:00 A.M.

Summer Camp will be held June 11-15, 2018.

Selection for the Beginner's Level will be made based on grades obtained during the last quarter and a recommendation letter from the participant's math, science, or technology teacher, which needs to be turned in with the application.

You will be notified of your acceptance by NIU by October 30th, 2017.

WHERE?

Northern Illinois University Naperville Campus, Diehl Rd., Naperville, IL

COST?

\$265 per registered Girl Scout/\$290* per girl for non-registered Girl Scouts
*includes \$25 GSUSA registration fee

Additional Summer Camp costs for T-shirts and field trips (~\$100) will be required at a later date.

A few NIU scholarships are available for students who are enrolled in the free and reduced lunch programs at their schools.

Program cost includes all workshops & EEP summer camp

RECEIVE

SWE Event Patch

**Application/Registration forms available in "Forms and Document" section at www.girlscoutsni.org
Program application, letter of recommendation, and copy of last quarter report card due to
Dr. Suma Rajashankar, EB 330 Garden Road, College of Engineering and Engineering Technology,
Northern Illinois University, DeKalb, IL 60115
by Wednesday, October 25th, 2017!**

Mandatory orientation for participant & parent

November 4, 2017, from 9 to 11 A.M. @ NIU Naperville Campus

Check out www.niu.edu/ceet/enhancing-engineering-pathways/ for more information on the SEW program

Registration questions: Contact Rose Coughlen @ (312) 912-6309, or R.Coughlen@girlscoutsgcnwi.onmicrosoft.com

Program questions: Contact Dr. Suma Rajashankar @ 815-753-9966 or niu.eep@gmail.com

Summer Camp will be held June 11-15, 2018

More information regarding summer camp will be sent via email during the month of April 2018.

"Distribution of information and materials through the school district does not imply District 204 endorsement."

Northern Illinois University – Enhancing Engineering Pathways
Engineering Opportunities for Girl Scouts in Grades 5 - 8
through Saturday Engineering Workshops
<http://www.niu.edu/ceet/enhancing-engineering-pathways/>



Funded by Motorola Solutions Foundation



APPLICATION FORM

(Submit a separate form for each participant.)

Application due: Wednesday, October 25th, 2017

Mail or deliver this form along with sealed letter of recommendation from a math, science, or technology teacher, and a copy of applicant's last quarter report card **no later than Wednesday, October 25th, 2017 to:**
Dr. Suma Rajashankar, EB 330 Garden Road, College of Engineering and Engineering Technology,
Northern Illinois University, DeKalb, IL 60115
NIU will notify applicants of their acceptance by October 30th, 2017

PLEASE PRINT

Name: First _____ Last _____ Middle _____

Grade _____ School name _____ District _____

Parent/Guardian name(s) _____

Address _____ City _____ Zip _____

Day phone (____) _____ Evening phone (____) _____

E-mail (list alternate emails too) _____

List the honors or advanced courses you have been enrolled in _____

Are you enrolled in any special engineering or science curriculum? If Yes, list them. _____

Do you like studying math and science? If yes, why? _____

When you go to college, do you think you will pursue a career in an engineering-related field? Yes No Don't know

If yes, to the above question, then explain why you would like to become an engineer? What is it that interests you? _____

Briefly share why you are interested in participating in the NIU – EEP Saturday Engineering workshops. Also, how do you think you will benefit from taking part in this program? _____

Parent/Guardian Signature _____

Applicant's Signature _____

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