**To Apply**
Please complete this form and attach supplemental materials.
Email to **polly.basore@wichita.edu** or mail to:
Polly Basore, WSU Engineering Summer Camps
1845 N. Fairmount Box 44
Wallace Hall 100
Wichita, KS 67260-0044

**Deadlines**
April 1, 2017 is the deadline for preferred consideration. Applications received after that will be considered on a space-available basis. Applicants who submit by April 1 will be notified by May 1, 2017.

To ensure your registration in the camp, payment of the registration fee is due within 7 days of scholarship notification.

Camps are held on the **WSU Campus** (21st and Oliver) and the **National Center for Aviation Training (NCAT)**, 4004 N. Webb Rd.

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**Camps by Grade Level**
Choose grade student will be in during Fall 2017.

4th-5th: LEGO Robotics I & II, Scratch I, Hotwheels Design
6th-8th: LEGO Robotics I & II, Scratch I, Hotwheels Design,
7th-9th: Women in Engineering, Rube Goldberg Design, Intro to Vex Robotics
10th-12th: Industrial Engineering, Biomedical Engineering, Aerospace Engineering, Go Baby Go (Applied Design), Electrical Circuitry, and Cybersecurity

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**About Our Camps**
Each summer, Wichita State University’s College of Engineering hosts a series of summer camps for youth in grades 4 to 12 that are intended to develop a love of science and technology, creativity and analytical thinking critical to any engineer or computer scientist. This year, we again offer some of our most popular camps like LEGO Robotics and Scratch (4th-8th), Intro to Vex Robotics (7th-9th), and Biomedical Engineering and Aerospace Engineering (10th-12th).

We are also offering the following new camps:
- **Hotwheel Design** (4th-8th) Learn concepts of engineering and computer assisted design by building your own toy car using software and 3D printing.
- **Women in Engineering** (7th-9th) Meet real women engineers and do fun hands-on activities as you learn about the different disciplines of engineering.
- **Rube Goldberg** (7th-9th) Remember the game Mouse-trap? Build your own Rube Goldberg cause-and-effect machine using the principles of simple machines.
- **Industrial Systems and Manufacturing Engineering** (10th-12th) Learn the basics of industrial engineering by working on a project to help a local organization improve quality, reduce waste, and create maximum efficiency.
- **Go Baby Go (Applied Design)** (10th-12th) Learn and apply skills in designing, wiring, soldering, construction and budgeting, while re-configuring ride-on toy cars for children with mobility challenges.
- **Electrical Circuitry** (10th-12th) Students will learn about the electrical components like resistors, capacitors, voltage source and diodes.
- **Cybersecurity (Boot Camp)** (9th-12th) Campers will participate in a cyber exercise designed to expose them to cyber defense and offense in a safe and fun environment.

This year, you can also submit your application online. Please go to [www.wichita.edu/engineeringcamps2017](http://www.wichita.edu/engineeringcamps2017) and click on Scholarship Application for the link to the online application.
**Scholarship Application**

The WSU College of Engineering has a limited number of scholarships available for the 2017 Engineering Summer Camps. Regular registration fees are $200 for half-day camps and $375 for full-day camps. Selected scholarship students will only be required to pay a $10 fee. Space is limited. Priority is given to under-represented students—female, African American, Hispanic, Native American and students who would be the first generation in their families to attend college and receive a degree. Please number your first, second and third choices.

<table>
<thead>
<tr>
<th>AM Camps</th>
<th>Week 3: June 19-23 Intro to Scratch 4th-5th</th>
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<tr>
<td>PM Camps</td>
<td>Week 3: June 19-23 Intro to Scratch 6th-8th</td>
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<tr>
<td>All-Day</td>
<td>Grade WSU Campus (AM)</td>
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<td>Grade WSU Campus (PM)</td>
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<td>Week 4: June 26-29 Biomedical Camp 10th-12th Grade WSU Campus (All Day)</td>
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<td>Week 4: June 26-30 Rube Goldberg Design 7th-9th Grade WSU Campus (AM)</td>
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<td>Week 5: July 10-13 Aerospace Camp 10th-12th Grade WSU Campus (AM)</td>
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<td>NCAT (AM)</td>
<td>Week 5: July 10-14 Electric Circuity Camp 10th-12th Grade WSU Campus (AM)</td>
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<td>Week 6: July 17-20 Intro to Vex Robotics 7th-9th Grade WSU Campus (All Day)</td>
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<td>Week 6: July 17-21 Hotwheel Camp 4th-5th Grade WSU Campus (AM)</td>
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<td>Week 6: July 17-21 Hotwheel Camp 6th-8th Grade WSU Campus (PM)</td>
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<td>Week 7: July 24-28 Cybersecurity Boot Camp 9th-12th Grade NCAT (AM)</td>
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<tr>
<th><strong>AM Camps</strong></th>
<th>8:30-Noon, M-F</th>
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<tbody>
<tr>
<td><strong>PM Camps</strong></td>
<td>1 p.m.—4:30 p.m. M-F</td>
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<tr>
<td><strong>All-Day</strong></td>
<td>8:30-4:30, M-TH</td>
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*Camps are held either on the WSU Campus at 21st and Oliver or the National Center for Aviation Training (NCAT) at 4004 N. Webb Rd.*

___ Week 1: June 5-8 Industrial High School Camp: Maximum Efficiency WSU Campus (All Day)
___ Week 1: June 12-16 Go Baby Go -Applied Design 10th-12th Grade WSU Campus (AM)
___ Week 2: June 19-22 Women In Engineering 7th-9th Grade NCAT (All Day)

___ Week 2: June 5-9 Lego Robotics I 4th - 5th Grade NCAT (AM)
___ Week 2: June 12-16 LEGO Robotics II 4th-5th Grade NCAT (AM)
___ Week 2: June 19-22 Women In Engineering 7th-9th Grade NCAT (AM)

___ Week 1: June 5-9 LEGO Robotics i 6th-8th Grade NCAT (PM)
___ Week 1: June 5-9 LEGO Robotics i 6th-8th Grade NCAT (PM)

___ Week 1: June 12-16 LEGO Robotics II 6th-8th Grade NCAT (PM)

**APPlicants must submit the following:**

⇒ This form, signed by a parent
⇒ 100-200 word statement, written by student, explaining WHY you want to attend your chosen camp. This may be handwritten or typed. CYBERSECURITY BOOT CAMP APPLICANTS: please tell us about your personal experience with technology.
⇒ *****HIGH SCHOOL APPLICANTS ONLY must also submit a letter of recommendation from a Math, Science of Project Lead the Way (pre-engineering) teacher. This may be emailed by the teacher. Ask teacher to put your name in the subject line.

Parent(s), please complete the following. All information provided will remain confidential.

Child’s Last Name: __________________________
Child’s First Name: _________________________
Address: __________________________________
City: _____________ State: ___ ZIP: ___________
Home Phone: ______________________________
Parent Daytime Phone: _____________________
Email Address: ____________________________
Grade (Fall 2017): __________________________
School: ___________________________________

Tshirt Size: (Circle one)

Youth S    M    L    Adult    S    M    L    XL    XXL

Ethnicity: __________________________________

Gender: (Circle one) Male   Female

My child qualifies for free and reduced lunch. (Circle one) True    False

My child would be the first generation in our family to go to college and receive a degree. (Circle one) YES    NO

Annual household income: _____________________
Number of household members: _____________

Parent signature: (to certify accuracy of information submitted)

_________________________________________
Date signed: ____________________________