

# WATLOW 2019 SUMMER CAMPS SCHOLARSHIP OFFERINGS

## *Missouri*

Date and Website for more information	Missouri Science & Technology   Camp Description
<p><b>Aerospace Camp (Grade 9)</b>            July 16-18  <a href="https://futurestudents.mst.edu/summer-camps/aerospace-camp/">https://futurestudents.mst.edu/summer-camps/aerospace-camp/</a></p>	<p>Orienteering, Flight Simulation, Rocket Building, Paper Airplane Contest, Adventure-based Team Building</p>
<p><b>CyberMiner Camp (Grades 11-12)</b>            June 16 - 20  <a href="http://futurestudents.mst.edu/summercamps/cyberminer-camp/">http://futurestudents.mst.edu/summercamps/cyberminer-camp/</a></p>	<p>Computer Engineering, Computer Science, IST</p>
<p><b>Explosives Camp (Grades 11-12, must be 16+ and U.S. citizen)</b>            June 9 - 14            June 16 – 21  <a href="https://futurestudents.mst.edu/summer-camps/explosives-camp/">https://futurestudents.mst.edu/summer-camps/explosives-camp/</a></p>	<p>Handling, Making, and Priming/Blasting Various Explosives and Pyrotechnics</p>
<p><b>Formula SAE Electric Car Camp (Grades 10-12)</b>            July 21 - 25  <a href="https://futurestudents.mst.edu/summer-camps/formula-sae-electric-car-camp/">https://futurestudents.mst.edu/summer-camps/formula-sae-electric-car-camp/</a></p>	<p>Vehicle Dynamics, Design Process, and Mock Vehicle Build</p>
<p><b>Jackling Introduction to Engineering (Grades 11-12)</b>            June 9-13            June 23-27            July 7-11  <a href="https://futurestudents.mst.edu/summer-camps/jackling-introduction-to-engineering/">https://futurestudents.mst.edu/summer-camps/jackling-introduction-to-engineering/</a></p>	<p>Deciding on an engineering career can be difficult, especially if you are not exactly sure what being an engineer involves. From iPads to interstates, engineers change the world. This intro course will show you how math and science relate to engineering.</p>
<p><b>Materials Camp (Grades 11-12)</b>            July 21- 26  <a href="https://futurestudents.mst.edu/summer-camps/materials-camp/">https://futurestudents.mst.edu/summer-camps/materials-camp/</a></p>	<p>Metals and Ceramics, SEM and Microscopy, Design Build Competition, Competitive application process</p>
<p><b>Nuclear Engineering Camp (Grades 11-12)</b>            June 2-7  <a href="https://futurestudents.mst.edu/summer-camps/nuclear-engineering-camp/">https://futurestudents.mst.edu/summer-camps/nuclear-engineering-camp/</a></p>	<p>Natural Radioactivity, Nuclear Forensics, Reactor Operations, Shielding</p>

<b>Robotics Camp (Grades 9-10)</b> June 4-6 <a href="https://futurestudents.mst.edu/summer-camps/robotics-camp/">https://futurestudents.mst.edu/summer-camps/robotics-camp/</a>	Programming, Lego Mindstorm, Motors, Electronics, Sensors, Team-Building
<b>Space - The Final Frontier (Grades 10-12)</b> TBD <a href="https://futurestudents.mst.edu/summer-camps/space-the-final-frontier/">https://futurestudents.mst.edu/summer-camps/space-the-final-frontier/</a>	Aerospace, Spacecraft Design, GPS Tracking and Programming, Electronics and Circuitry, Design Challenge
<b>Date and Website for more information</b>	<b>Ranken Technical College (STL)   Camp Description</b>
<b>Ranken Summer Adventure Camps (Grades 9-12)</b> July 15-19 <a href="http://ranken.edu/adventureacademy/">http://ranken.edu/adventureacademy/</a>	Options for 9th - 10th Graders: Boot-Up Computer Camp, Design & Engineering, Heavy Metals, TETRIS Robotics Technology, Turn 4 RC Race Engineering, Women in Engineering Options for 11th - 12th Graders: Adventures in Architecture, Drone Aerial Systems
<b>Date and Website for more information</b>	<b>St. Louis University   Camp Description</b>
<b>Structural Engineering Experience (Grades 11-12)</b> June 6 <a href="https://www.slu.edu/parks/about/pre-college-programs/summer-structural-engineering-experience.php">https://www.slu.edu/parks/about/pre-college-programs/summer-structural-engineering-experience.php</a>	Build foam bridge, learn engineering principles
<b>Engineering Academy (Grades 11-12)</b> June 23-28 <a href="http://www.slu.edu/parks/about/pre-college-programs/engineering-summer-academy.php">http://www.slu.edu/parks/about/pre-college-programs/engineering-summer-academy.php</a>	Aerospace Eng, Mechanical Eng, Biomedical Eng, Computer Eng, Electrical Eng, Civil Eng
<b>Introduction to Engineering Camp (Grades 9-10)</b> July 15-19 Monday - Friday, 9a.m. to 5p.m. daily <a href="http://www.slu.edu/parks/about/pre-college-programs/introduction-engineering-camp.php">http://www.slu.edu/parks/about/pre-college-programs/introduction-engineering-camp.php</a>	Aerospace Eng, Mechanical Eng, Biomedical Eng, Computer Eng, Electrical Eng, Civil Eng, Innovation & Entrepreneurship in Engineering
<b>Robotics Academy (Grades 9-12)</b> June 10-14 <a href="http://www.slu.edu/parks/about/pre-college-programs/robotics-summer-academy.php">http://www.slu.edu/parks/about/pre-college-programs/robotics-summer-academy.php</a>	Study mechanical, electrical and computer engineering, design and build robots

<p><b>Mobile App Development with Flutter by Google (Grades 9-12)</b>  July 24-28 (9am - 3:45pm)  <a href="https://www.slu.edu/summer/k-12-camps.php#/camp-details/Mobile-App-Development-with-Flutter-by-Google---Apps-for-Android-and-Apple-IoS-">https://www.slu.edu/summer/k-12-camps.php#/camp-details/Mobile-App-Development-with-Flutter-by-Google---Apps-for-Android-and-Apple-IoS-</a></p>	<p>Basic Intro To Coding, Intro To Mobile App Environment For Apple  *Windows laptops provided.</p>
<p>Date and Website for more information</p>	<p>SIUE   Camp Description</p>
<p><b>Engineering Summer Camps (Grades 9-12)</b>  Session 1: June 2 - 7  Session 2: June 9- 14  <a href="https://www.siu.edu/engineering/programs-departments/summer-camps.shtml">https://www.siu.edu/engineering/programs-departments/summer-camps.shtml</a></p>	<p>Intro to various types of engineering</p>
<p>Date and Website for more information</p>	<p>University of Missouri (Mizzou)   Camp Description</p>
<p><b>Engineering High School Summer Camp (Grades 10-12)</b>  Camp 1: July 14-19  Camp 2: July 21 - 26  <a href="https://engineering.missouri.edu/about/k12camps/high-school-camp/">https://engineering.missouri.edu/about/k12camps/high-school-camp/</a></p>	<p>Working on teams the entire week to solve an engineering problem (creating a bridge) along with small projects to experience different types of engineering.</p>

