

2021 SUMMER CAMP SCHOLARSHIP OFFERINGS

MISSOURI

Jackling Introduction to Engineering

Location: Missouri S&T (**Virtual Camp**)
Ages: 11th-12th grades Dates(s): June 21-23
[Camp website](#)

Camp description:
Introduction to various engineering disciplines through hands-on activities and team design competitions

Formula SAE Electric Car Camp

Location: Missouri S&T
Ages: 10th-12th grades
Dates(s): July 18-22
[Camp website](#)

Camp description:
Vehicle dynamics, design process, and mock vehicle build

Explosives Camp

Location: Missouri S&T
Ages: 11th-12th grades (Must be 16+ and US Citizen)
Dates(s): June 13-18
 June 20-25
[Camp website](#)

Camp description:
Handling, making, and priming/blasting various explosives and pyrotechnics

ASMMaterials Camp

Location: Missouri S&T (**Virtual Camp**)
Ages: 11th-12th grades
Dates(s): July 18-22
[Camp website](#)

Camp description:
Metals and ceramics, SEM and microscopy, design build competition.
Competitive application process.

Nuclear Engineering Camp

Location: Missouri S&T

Ages: 11th-12th grades

Dates(s): June 20-25

[Camp website](#)

Camp description:

Natural radioactivity, nuclear forensics, reactor operations, shielding

Robotics Camp

Location: Missouri S&T

Ages: 9th-10th grades

Dates(s): July 8-10

[Camp website](#)

Camp description:

Programming, lego mindstorm, motors, electronics, sensors, team building

Space - The Final Frontier

Location: Missouri S&T (**Virtual Camp**)

Ages: 10th-12th grades

Dates(s): June 11 – 15

[Camp website](#)

Camp description:

Aerospace, spacecraft design, GPS tracking and programming, electronics and circuitry, design challenge

Ranken Summer Adventure Camps

Location: Ranken Technical College (St. Louis, MO)

Ages: 9th-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Options for 9th - 10th Graders: Boot-Up Computer Camp, Design & Engineering, Heavy Metals, TETRIX Robotics Technology, Turn 4 RC Race Engineering, Women in Engineering

Options for 11th - 12th Graders: Adventures in Architecture, Drone Aerial Systems

Engineering Academy

Location: SLU (St. Louis University)

Ages: 10th-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Aerospace engineering, mechanical engineering, biomedical engineering, computer engineering, electrical engineering, civil engineering

Robotics Academy

Location: SLU (St. Louis University)

Ages: 9th-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Study mechanical, electrical and computer engineering, design and build robots

Structural Engineering Experience

Location: SLU (Saint Louis University)

Ages: 11th-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Build foam bridges, learn engineering principles

Aviation Academy

Location: SLU (Saint Louis University)

Ages: 11th-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Flight science, aviation management, aerial navigation, aircraft design, unmanned aerial vehicles and air traffic control.

Engineering High School Summer Camp

Location: University of Missouri - Columbia

Ages: 10th - 12th grades

Dates(s): TBD

Camp description:

Working on teams the entire week to solve an engineering problem (creating a bridge) along with small projects to experience different types of engineering.