

2020 SUMMER CAMP SCHOLARSHIP OFFERINGS

MISSOURI

Jackling Introduction to Engineering

Location: Missouri S&T

Ages: 11th-12th grades

Dates(s): June 21 - 25

July 5 - 9

[Camp website](#)

Camp description:

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

Explosives Camp

Location: Missouri S&T

Ages: 11th-12th grades (Must be 16+ and US Citizen)

Dates(s): June 7 - 12

June 14 - 19

[Camp website](#)

Camp description:

Handling, making, and priming/blasting various explosives and pyrotechnics

CyberMiner Camp

Location: Missouri S&T

Ages: 11th-12th grades

Dates(s): July 14 - 18

[Camp website](#)

Camp description:

Computer engineering, computer science, IST

Formula SAE Electric Car Camp

Location: Missouri S&T

Ages: 10th-12th grades

Dates(s): July 19 - 23

[Camp website](#)

Camp description:

Vehicle dynamics, design process, and mock vehicle build

Materials Camp

Location: Missouri S&T

Ages: 11th-12th grades

Dates(s): July 19 - 24

[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 14 - 19

[Camp website](#)

Camp description:

Natural radioactivity, nuclear forensics, reactor operations, shielding

Robotics Camp

Location: Missouri S&T

Ages: 12-15

Dates(s): June 2 - 4

[Camp website](#)

Camp description:

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

Space - The Final Frontier

Location: Missouri S&T

Ages: 10th-12th grades

Dates(s): June 12 - 16

[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): July 15 - July 19

[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): June 21 - June 26

[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): June 15 - 19

[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): June 8 - 12

[Camp website](#)

Camp description:

Build foam bridges, learn engineering principles

Engineering High School Summer Camp

Location: University of Missouri - Columbia

Ages: 10th - 12th grades

Dates(s): Session 1: July 12 - July 17

Session 2: July 19 - July 24

[Camp website](#)

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.