

2024 Summer Camp Scholarship Offerings



Inspiring Future Generations of Technical Talent

Apply for a scholarship at any of these camps, click the links to know more about the camps

Jackling Introduction to Engineering

Jackling introduction to engineering, you'll be introduced to various engineering disciplines through hands-on activities and team design competitions. [click here](#)

Location: Missouri S&T	Ages: 10-12 th grades	Date(s): June 9-13, June 23-27, July 7-11
---------------------------	----------------------------------	--

CyberMiner Camp

Campers who love working with computers and digital technologies will learn about information visualization and big data, compete in an AI challenge, build, and program robots, and more! [click here](#)

Location: Missouri S&T	Ages: 11-12 th grades	Date(s): July 21-25
---------------------------	----------------------------------	---------------------

Explosives Camp

Encompass detonators, high explosives, blasting agents, rock blasting, display fireworks and demolition. You will have a behind the scenes look at how explosives are used in industry and entertainment. [click here](#)

Location: Missouri S&T	Age: 11-12 th grades (must be 16+ and US Citizen)	Date(s): June 2-7 & June 9-14
---------------------------	--	----------------------------------

Mechanical Crash Course Camp

This year's project will be the "Design of an Autonomous Vehicle" to navigate an obstacle course and perform tasks along the obstacle course. [click here](#)

Location: Missouri S&T	Ages: 9-12 th grades	Date(s): July 23-27
---------------------------	---------------------------------	---------------------

ASM Materials Camp	Metals and ceramics, SEM and microscopy, design build competition. Competitive application process. click here		
	Location	Ages: 11-12 th grades	Date(s): July 21-25
	Missouri S&T		
Innovations in STEM (iSTEM)	This camp leverages a Makerspace mindset that brings theory and practice together in one challenging finale – the better Mousetrap Car “Tractor Pull”! I-STEM campers will participate in hands-on learning and engaging engineering presentations from award-winning faculty. click here		
	Location:	Ages: 10-12 th grades	Date(s): June 2-5 & July 7-10
	Missouri S&T		
Space - The Final Frontier	Aerospace, spacecraft design, GPS tracking and programming, electronics and circuitry, design challenge. click here		
	Location:	Ages: 10-12 th grades	Date(s): July 14-17
	Missouri S&T		
Nuclear Engineering Camp	Natural Radioactivity, Nuclear Forensics, Reactor Operations, Shielding click here		
	Location:	Ages: 11-12 th grades	Date(s): June 2-7
	Missouri S&T		
Leading For Tomorrow Camp	Aerospace, spacecraft design, GPS tracking and programming, electronics and circuitry, design challenge. click here		
	Location:	Ages: 11-12 th grades	Date(s): July 22-26
	Missouri S&T		
Summer Adventure Camp	Boot-Up Computer Camp, Design & Engineering, Heavy Metals, TETRIX Robotics Technology, Turn 4 RC Race Engineering, Women in Engineering click here		
	Location: Ranken Technical College	Age: 9-10 th grades	Date(s): TBD

Aviation Summer Academy

Hands-on activities in subjects that include flight science, aviation management, aerial navigation, aircraft design, unmanned aerial vehicles and air traffic control. [click here](#)

Location: SLU (St. Louis University) Ages: 11-12th grades Date(s): June 9-14

Engineering Summer Academy

Hands-on activities in aerospace, mechanical, biomedical, computer, electrical, and civil engineering. [click here](#)

Location: SLU (St. Louis University) Ages: 10-12th grades Date(s): July 7-12

Robotics Academy

Study mechanical, electrical and computer engineering, design and build robots. [click here](#)

Location: SLU (St. Louis University) Ages: 9-12th grades Date(s): TBD

Summer Civil Engineering Experience

Work with civil engineering faculty and student mentors to learn about an array of civil engineering sub-disciplines through modules and hands-on activities [click here](#)

Location: SLU (St. Louis University) Ages: 11-12th grades Date(s): TBD

STEM Immersion Experience

The camp is designed specifically for students seeking to learn more about opportunities in STEM and college readiness. [click here](#)

Location: SLU (St. Louis University) Ages: 9-12th grades Date(s): July 21-26

Introduction to Artificial Intelligence and Machine Learning

The camp is designed specifically for students seeking to learn more about artificial intelligence and machine learning. [click here](#)

Location: SLU (St. Louis University) Ages: 9-12th grades Date(s): July 15-18

Data Analytics and Visualization using excel and R

The camp is designed specifically for students seeking to learn more about data analytics and visualization. [click here](#)

Location: SLU (St. Louis University) Ages: 9-12th grades Date(s): July 22-25

Program Development with Data Visualization with Python

The camp is designed specifically for students seeking to learn more about program development with data visualization. [click here](#)

Location: SLU (St. Louis University) Ages: 9-12th grades Date(s): July 24-27

Mizzou STEM Camps

High school students spend time at Mizzou Engineering this summer programming robots, detecting cyber attacks, designing video games and learning about neural models and sustainability. [click here](#)

Location: University of Missouri-Columbia Ages: 9-12th grades Date(s): TBD
