EXPLOSIVES SUMMER CAMP
Are you interested in learning more about explosives?
Missouri S&T offers a one-of-a-kind experience for campers that includes learning about detonators, high explosives, blasting agents, display fireworks and demolition. The camp concludes with the setup and shooting of a fireworks display.
This camp is for students entering grades 11 or 12. Space is limited. Early application is encouraged!

UNDERGRADUATE DEGREES
B.S. IN MINING ENGINEERING
Earn a bachelor’s degree in mining engineering and be prepared for several career paths in the mining and construction industries. Learn about the process of extracting base and precious metals, aggregates, industrial minerals and coal. Understand and apply the concepts related to mine safety and environmental sustainability.

GRADUATE DEGREES
• M.S. in Explosives Engineering
• M.S. in Explosives Technology
• M.S. in Mining Engineering
• Ph.D. in Explosives Engineering
• Ph.D. in Mining Engineering
Learn in an experimental mine

Want to gain hands-on experience in a real mine? Missouri S&T has an experimental mine that consists of 20 acres of surface and underground facilities for students and faculty to learn and conduct research. Students can design, drill and blast drill openings. They can practice mine rescue scenarios. They gain real experiences that will prepare them for the mining industry.

Check out S&T’s experimental mine and campus in person to see if this program is the best fit for you.

What types of jobs exist for mining and explosives engineers?

MINE ENGINEERS
AUTOMATION
HEALTH AND SAFETY
GROUND CONTROL
ENERGETIC MATERIALS
DEMOLITION
LAW ENFORCEMENT

CONSULTING FIRMS
RESEARCHERS
EXPLOSIVES MANUFACTURERS
UNDERGROUND CONSTRUCTION AND TUNNELING
SUSTAINABILITY IN MINING

Make a difference

Green technology requires significant amounts of critical minerals, such as rare earth elements, lithium, cobalt, zinc and nickel. Work to sustainably mine these materials and help the world shift to electric vehicles and other green products.

Earn while you learn

Co-ops and internships are available for students. S&T has multiple partners for experiential learning opportunities in the mining and explosives engineering industry.

Renowned program

Missouri S&T is home to one of only 13 mining engineering programs across the nation.

Gain hands-on experience early in your educational journey.

S&T undergraduate and graduate students are encouraged to be involved with ongoing faculty research projects.