

# MINING TECHNOLOGY

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The Mining Technology program will focus on the knowledge needed to succeed in the coal mining industry. Emphasis will be given to the statutory rights and safety procedures in all of the offerings including: the self-rescuer device, transportation controls, communication controls, mining conditions, mining methods, mining cycle, escapeways, emergency procedures, roof control, ground control, ventilation, health hazards, clean-up and rock dusting, health and safety aspects of assigned task, mine gases, explosives, compressed cylinders, electrical hazards, first aid, operation of equipment, electrical knowledge and troubleshooting, repairing electrical and fluid power equipment, maintaining the equipment, fabricating, supervising, and the engineering aspects of mining.

## Degrees

- Mining Technology - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/>)
  - Electricians Track (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/#electricianstrack>)
  - Engineering Operations Track (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/#engineeringoperationstrack>)
  - Mechanics Track (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/#mechanicstrack>)
  - Operators Track (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/#operatorstrack>)
  - Supervisors Track (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technology-aas/#supervisorstrack>)

## Certificates

- Inexperienced Surface Trainee - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/inexperienced-surface-trainee-certificate/>)
- Inexperienced Underground Trainee - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/inexperienced-underground-trainee-certificate/>)
- Mining Technician Assistant II - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technician-assistant-ii-certificate/>)
- Mining Technician I - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technician-certificate/>)
- Mining Technician II - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/mining-technician-ii-certificate/>)
- Surface Field Mechanic - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/surface-field-mechanic-certificate/>)
- Surface Operator - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/surface-operator-certificate/>)
- Surface Supervisor - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/surface-supervisor-certificate/>)

- Underground Mechanic/Electrician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/underground-mechanicelectrician-certificate/>)
- Underground Operator - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/underground-operator-certificate/>)
- Underground Supervisor - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/mining-technology/underground-supervisor-certificate/>)