

COAL MINING TECHNOLOGY ASSOCIATE IN APPLIED SCIENCE DEGREE (CMT D295)

✓ FCC	LTC	OCC	WVC
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Coal Mining Technology prepares the student for a rewarding career in the mining industry. The program is offered through cooperative agreements with: Southwestern Illinois College, John A. Logan College, Kaskaskia Community College, Lake Land College, Lewis and Clark College, Lincoln Land Community College, and Southeastern Illinois College. The Illinois Department of Mines and Minerals, the U.S. Bureau of Mines, MSHA, United Mine Workers of America, and various coal companies have worked closely with IECC in the development of the program.

Job opportunities for graduates in the mining industry include: maintenance foreman, repairman, miner, and various mine technician positions. Machine repair, welding, hydraulics, and electrical skills achieved in this program are transferable to occupations outside the mining industry.

The credits earned in the Coal Mining Technology program transfer into the Industrial Technology and Vocational Education Programs at Southern Illinois University–Carbondale (SIU-C). Graduates are eligible for Capstone credit through SIU-C.

<u>First Semester</u>	<u>Credit Hours 14</u>
CMT 1200 Introduction to Coal Mining	V3
CMT 1250 Mine Ventilation	V4
CMT 2250 Mine Electrical Maintenance I	V4
MTH 1201 Technical Mathematics ¹	V3

<u>Second Semester</u>	<u>Credit Hours 15</u>
CMT 1220 Roof Control	V3
CMT 1240 Mining Law	V4
CMT 2210 Mine Machinery Repair I	V4
CMT 2260 Mine Electrical Maintenance II	V4

<u>Third Semester</u>	<u>Credit Hours 15</u>
CMT 1230 First Aid	V4
CMT 2230 Mine Hydraulics I	V4
CMT 2290 Mining Systems	V4
Science Gen Ed Elective ¹	3

<u>Fourth Semester</u>	<u>Credit Hours 16</u>
CMT 1210 Accident Prevention	V3
CMT 2240 Mine Hydraulics II	V4
Communications Gen Ed Elective ¹	3
Humanities Gen Ed Elective ^{1*}	3
Social Science Gen Ed Elective ^{1*}	<u>3</u>

Total Credit Hours 60

¹General Education Hours (15)

*One of these courses must satisfy the IECC human diversity requirement.

COAL MINING TECHNOLOGY CERTIFICATE (CMT C297)

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The Coal Mining Technology certificate provides introductory core courses in coal mining technology. Job opportunities through the certificate program are the same opportunities as listed for the degree and include: maintenance foreman, repairman, miner, and various mine technician positions. Machine repair, welding, hydraulics, and electrical skills achieved in this program are transferrable to occupations outside the mining industry.

<u>First Semester</u>	<u>Credit Hours 14</u>	<u>Second Semester</u>	<u>Credit Hours 15</u>
CMT 1200 Introduction to Mining	V3	CMT 1230 First Aid	V4
CMT 1210 Accident Prevention	V4	CMT 1250 Mine Ventilation	V4
CMT 1220 Roof Control	V3	CMT 2210 Mine Machine Repair I	V4
CMT 1240 Mining Law	V4	CMT 2290 Mining Systems	V3
		Total Credit Hours	29

MINE ELECTRICAL MAINTENANCE III CERTIFICATE (CMT C296)

The Mine Electrical Maintenance III meets MSHA (Mine, Safety & Health Administration) training requirements for an electrical card.

<u>One Semester</u>	<u>Credit Hours 8</u>
CMT 2280 Mine Electrical Maintenance III	8
Total Credit Hours	8

COAL MINING MAINTENANCE I CERTIFICATE (CMM1 C505)

The Coal Mining Maintenance I certificate program is designed to prepare students to fulfill specific job requirements in production-management and maintenance areas of various industries.

Students who complete the certificate program should qualify for technical-level positions in industries in maintenance and/or production-management. Typical job titles would include electrician, repairman, mine manager, mine examiner, section foreman, fluid power technician, and maintenance technician.

<u>First Semester</u>	<u>Credit Hours 11</u>	<u>Second Semester</u>	<u>Credit Hours 12</u>
CMT 1200 Introduction to Coal Mining	V3	CMT 2210 Mine Machine Repair I	V4
CMT 2230 Mine Hydraulics I	V4	CMT 2240 Mine Hydraulics II	V4
CMT 2250 Mine Electrical Maintenance I	V4	CMT 2260 Mine Electrical Maintenance II	V4
		Total Credit Hours	23