

Mining Technology Certificates

Underground Operator Certificate

Required:

ET	155	Elements of Underground and Surface Mining	3
ET	156	Elements of Underground and Surface Mining Lab I	1
ET	157	Elements of Underground and Surface Mining Lab II	1
++ET	190	Mine Emergency Technician	3
ET	274	Mine Safety	3
EFM	100	Personal Financial Management OR	3
BA	120	Personal Finance OR	(3)
WPP	200	Workplace Principles	(3)
Total Credits:			14

++ Take course substitute – KHP 190 First Aid and Emergency Care

Underground Mechanic/Electrician Certificate

Required:

CAD	100	Introduction to Computer Aided Design OR	3
CIS	100	Introduction to Computers	(3)
ET	102	Blueprint Reading	2
*ET	123	Mining Electricity I	4
*ET	125	Mining Electricity I Lab	1
IMT	125	Technical Algebra and Trigonometry	3
IMT	100	Welding for Maintenance	3
*ET	244	Electrical Machinery and Controls	4
ET	250	Programmable Logic Controllers	4
ET	265	Applied Fluid Power OR	3
*FPX	100	Fluid Power AND	(3)
*FPX	101	Fluid Power Lab OR	(2)
*ET	271	Mining Mechanics and Hydraulics	(5)
*IMT	150	Maintaining Industrial Equipment I	3
*IMT	151	Maintaining Industrial Equipment I Lab	2
Total Credits:			32-34

*Refer to "Mining Crosswalk into AllIT Courses Key"

Underground Supervisor Certificate

Required:

ET	150	Mining Laws	3
++ET	190	Mine Emergency Technician	3
ET	275	Mine Management	3
ET	286	Roof Control and Ventilation	3
CAD	100	Introduction to Computer Aided Design OR	3

CIS	100	Introduction to Computer Fundamentals	(3)
MT	125	Technical Algebra and Trigonometry	3
ET	102	Blueprint Reading	2
Total Credits:			20

++ Take course substitute – KHP 190 First Aid and Emergency Care

Surface Operator Certificate

Required:

ET	155	Elements of Underground and Surface Mining	3
ET	156	Elements of Underground and Surface Mining Lab I	1
++ET	190	Mine Emergency Technician	3
ET	274	Mine Safety	3
EFM	100	Personal Financial Management OR	3
BA	120	Personal Finance OR	(3)
WPP	200	Workplace Principles	(3)
HEO	125	Special Problems I	3
Total Credits:			16

++ Take course substitute – KHP 190 First Aid and Emergency Care

Surface Supervisor Certificate

Required:

CAD	100	Introduction to Computer Aided Design OR	3
CIS	100	Introduction to Computer Fundamentals	(3)
ET	102	Blueprint Reading	2
ET	150	Mining Laws	3
++ET	190	Mine Emergency Technician	3
ET	275	Mine Management	3
MT	125	Technical Algebra and Trigonometry	3
Total Credits:			17

++ Take course substitute – KHP 190 First Aid and Emergency Care

Surface Field Mechanic Certificate

Required:

ET	122	Mechanical Power Transmission Systems	3
++ET	190	Mine Emergency Technician	3
ET	265	Applied Fluid Power OR	3
*FPX	100	Fluid Power AND	(3)
*FPX	101	Fluid Power Lab OR	(2)
*ET	271	Mining Mechanics and Hydraulics	(5)
IMT	100	Welding for Maintenance	3
IMT	101	Welding for Maintenance Lab	2
Total Credits:			14-16

**Refer to "Mining Crosswalk into AIIIT Courses Key"*

++ Take course substitute – KHP 190 First Aid and Emergency Care

Surface Technician/Greaser Certificate

Required:

*ET	122	Mechanical Power Transmission Systems	3
++ET	190	Mine Emergency Technician	3
Total Credits			6

**Refer to "Mining Crosswalk into AIIT Courses Key"*

++ Take course substitute – KHP 190 First Aid and Emergency Care

Mining students may take AIT course modules individually and out of sequence

****Mining Crosswalk into AIIT Courses Key**

ET 122 = AIT 2102 + AIT 2103 + AIT 1002 + AIT 1202

ET 123 & ET 125 = AIT 1001 + AIT 1002 + AIT 1101

ET 201 = No AIIT Crosswalk courses – Contact Program Coordinator for approved course substitution

ET 244 = AIT 1002 + AIT 1401 + AIT 1501

ET 261 = No AIIT Crosswalk courses - Contact Program Coordinator for approved course substitution

ET 264 = No AIIT Crosswalk courses - Contact Program Coordinator for approved course substitution

ET 271 = AIT 1003 + AIT 1102 + AIT 1403 + AIT 1503 + AIT 2102 + AIT 2103

FPX 100 & FPX 101 = AIT 1003 + AIT 1102 + AIT 1403 + AIT 1503

IMT 150 & IMT 151 = AIT 2101 + AIT 2102 + AIT 2103 + AIT 1203