FALL 2011 **Mining Technology – AAS – Electricians Option** **61 credits*****

Student Name: _____ Empl ID# _____

General Education Requirements (19 credits)

Courses Required	Hrs	Grade	Semester
ENG 101 Writing I	3		
Mathematics (MAT 105, MAT 110, MAT 116, MAT 126 or higher level math course)	3		
Social Interaction	3		
GLY 101 Physical Geology and GLY 111 Physical Geology Lab or Science	4		
Heritage or Humanities or Foreign Language	3		
Computer Literacy	3		

Technical Core Requirements (22 credits)

Courses Required	Hrs	Grade	Semester
MNG 160 Elements of Underground Mining	3		
MNG 161 Elements of Underground Mining Lab	1		
MNG 170 Elements of Surface Mining	2		
MNG 171 Elements of Surface Mining Lab	1		
MNG 150 Mining Laws	3		
BA 160 Introduction to Business	3		
BA 120 Personal Finance or EFM 100 Personal Finance Management	3		
MNG 274 Mine Safety	3		
MNG 180 Environmental Issues in Mining	3		

Electricians Option Requirements (20 credits)

Courses Required	Hrs	Grade	Semester
MNG 123 Mining Electricity I <u>and</u> **MNG 125 Mining Electricity I Lab **or IMT 110 Industrial Maintenance Electrical Principles and IMT 111 Industrial Maintenance Electrical Principles Lab	5		
**ET 244/ELT 244 Electrical Machinery and Controls or equivalent course	4		
**IMT 150 Maintaining Industrial Equipment I	3		
**IMT 151 Maintaining Industrial Equipment I Lab	2		
**ET 250/ELT 250 Programmable Logic Controllers	4		
Technical Electives *(Any AIT, EET, ET, ENGT, IMT, CIS, NIS, IT, ISM, ENV, SMT, CAD, ICT, MFG or other courses approved by program coordinator)*	2		

<u>Course Substitution</u>:

****MNG 123 & MNG 125** = AIT 1001 + AIT 1002 + AIT 1101

****ET 244** = AIT 1002 + AIT 1401, followed next term by AIT 1501. Only after completion of AIT 1401, student eligible to enroll in AIT 1501.

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

****ET 250** = EET 276 + EET 277

****** Other KCTCS institutions that offer this AAS degree may have different course requirements. The total credit hours listed above reflect Madisonville Community College program courses required and total credit hours. In order to accommodate other KCTCS institutions, the KCTCS Catalogue notes a range of 61-65 credit hours for the Mining Technology - Electricians Option AAS Degree credential. If transferring from another Mining program, contact the MCC program coordinator.***

Program Coordinator: Tom Hughes

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Madisonville

HIGHER EDUCATION BEGINS HERE

Mining Technology - AAS - Electricians Option (61 credits***)

****** Other KCTCS institutions that offer this AAS degree may have different course requirements. The total credit hours listed above reflect Madisonville Community College program courses required and total credit hours. In order to accommodate other KCTCS institutions, the KCTCS Catalogue notes a range of 61-65 credit hours for the Mining Technology - Electricians Option AAS Degree credential. If transferring from another Mining program, contact the MCC program coordinator.***

SAMPLE SCHEDULING PLAN	
First Fall Semester Total: 15 credits ENG 101 Mathematics Course MNG 160 & MNG 161 MNG 170 & MNG 171 Technical Elective (2 credits) *(Technical Electives: Any AIT, EET, ET, ENGT, IMT, CIS, NIS, IT, ISM, ENV, SMT, CAD, ICT, MFG or other courses approved by program coordinator)*	Second Fall Semester Total: 19 credits GLY 101 and GLY 111 or Science BA 160 MNG 274 **MNG 123 & **MNG 125 OR IMT 110 & IMT 111 or equivalent course ** ET 244/ELT 244 or equivalent course
First Spring Semester Total: 15 credits Social Interaction course Heritage/Humanities/Foreign Language Computer Literacy MNG 150 EFM 100 OR BA 120	Second Spring Semester Total: 12 credits MNG 180 **IMT 150 & **IMT 151 **ET 250/ELT 250

Course Substitutions Key:

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****ET 250** = EET 276 & EET 277

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