**FALL 2011** **Mining Technology – AAS – Engineering Operations Option** **61-63 credits*****

Student Name: _____ Empl ID# _____

## General Education Requirements (19 credits)

| Courses Required | Hrs | Grade | Semester |
|---|---|---|---|
| ENG 101 Writing I | 3 | | |
| MAT 150 College Algebra | 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 | | |

## Engineering Operations Option Requirements (20-22 credits)

| Courses Required | Hrs | Grade | Semester |
|---|---|---|---|
| MA 112 Trigonometry or MAT 155 Trigonometry | 2-3 | | |
| Blueprint Reading course (BRX 110, BRX 120, BRX 220, BRX 230) | 2-3 | | |
| **ET 264/ELT 264 Mechanical Design AIT equivalents | 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)* | 12 | | |

**Course Substitution:**

****ET 264** = There is no AIIT substitution courses available. Contact Program Coordinator.

****** 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 61-67 credit hours for the Mining Technology – Engineering Operations 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 – Engineering Operations Option (61-63 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 61-67 credit hours for the Mining Technology – Engineering Operations Option AAS Degree credential. If transferring from another Mining program, contact the MCC program coordinator.***

| SAMPLE SCHEDULING PLAN | |
|---|---|
| First Fall Semester Total: 16 credits<br><br>ENG 101 MAT 150 College Algebra<br>MNG 160 & MNG 161<br>MNG 170 & MNG 171<br>Technical Elective (3 credits)<br><br>*(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: 14-16 credits<br><br>GLY 101 and GLY 111 or Science<br>BA 160 MNG 274<br>MA 112 OR MAT 155<br>Blueprint Reading course (2-3 credits) |
| First Spring Semester Total: 15 credits<br><br>Social Interaction course<br>Heritage/Humanities/Foreign Language<br>Computer Literacy<br>MNG 150 EFM 100 OR BA 120 | Second Spring Semester Total: 16 credits<br><br>MNG 180<br>**ET 264/ELT 264 or equivalent course<br>Technical Electives (9 credits) |

**Course Substitutions Key:**

****ET 264 =** There are no AIT substitution courses available. Contact Program Coordinator.