

ASSOCIATE IN SCIENCE AND BS IN MINING ENGINEERING

Completion of the following curriculum will satisfy both the requirements for an Associate in Science at KCTCS as well as the requirements for the University of Kentucky's bachelor's degree in Mining Engineering.

Engineering standing upon transfer is available to students who have 1) completed all pre-major courses, 2) maintained a UK GPA of 2.50 or higher, and 3) completed CIS/WRD 110 (or equivalent), MA 113 (or equivalent), MA 114 (or equivalent), MA 213 (or equivalent), CHE 105 (or equivalent), and PHY 231 with a minimum cumulative GPA of 2.50 in those courses. Pre-major requirements are as follows: CHE 105 (or equivalent), ENG 101, ENG 102, Oral Communications, MA 113 (or equivalent), MA 114 (or equivalent), MA 213 (or equivalent), MNG 201, PHY 231, PHY 241 OR CHE 111 (or equivalent), PHY 232, EES 220 (or equivalent), EGR 101 (or equivalent), EGR 102 (or equivalent), EGR 103 (or equivalent).

KCTCS students planning to transfer to the University of Kentucky should work closely with the UK Transfer Advisor each semester to ensure both KCTCS and UK requirements are met. +

1st Semester	
ENG 101: Writing I (3)	
CHE 170: General College Chemistry I (4)	
MA 113, MAT 174, or MAT 175: Calculus I (4-5)	
CS 115 or CIT 144 or CIT 149 (3)	
*Heritage course (3)	
Semester Hours	17-18

2nd Semester	
ENG 102: Writing II (3)	
MA 114, MAT 184, or MAT 185: Calculus II (4-5)	
*Humanities course (3)	
PHY 231: General University Physics I (4)	
PHY 241 or CHE 175 (1)	
Semester Hours	15-16

First Summer Option	
Semester Hours	

3rd Semester	
*Social and Behavioral Science course (3)	
MA 213, MAT 213, or MAT 275: Calculus III (4)	
GLY 101 + 111 (4)	
Elective course (3)	
Semester Hours	14

4th Semester	
MA 214, MAT 214, or MAT 285: Calculus IV/Differential Equations (3)	
PHY 232: General University Physics II (4)	
Oral Communication course (3)	
*Social and Behavioral Science course (3)	
Elective course (3)	
Semester Hours	16

Total Credit Hours: 62-65

Notes: *One course must satisfy the Cultural Studies requirement.

The student must test out of the computer literacy requirement so that CS 115, CIT 144, or 149 can be used to satisfy the Bachelor's Degree requirement.



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Second Summer Option
Semester Hours

5th Semester	
EGR 215 (3)	
ME 220 (3)	
MNG 201 (3)	
EM 221 (3)	
Semester Hours	12

6th Semester	
MNG 331 (2)	
EM 302 (3)	
MNG 291 (3)	
MNG 322 (2)	
MNG 303 (1)	
Semester Hours	11

Third Summer Option
Semester Hours

7th Semester	
MNG 351 (3)	
ME 330 (3)	
MNG 301 (3)	
MNG 302 (1)	
MNG 211 (2)	
MNG 335 (3)	
Semester Hours	15

8th Semester	
EES 230 (3)	
MNG 371 (3)	
MNG 435 (4)	
MNG 575 or MNG 580 (3)	
MNG 463 (3)	
Semester Hours	16

9th Semester	
MNG 332 (3)	
MNG 341 (3)	
MNG 551 (3)	
MNG 591 (1)	
MNG 564 (3)	
Semester Hours	13

10th Semester	
MNG 592 (3)	
EM 313 (3)	
Technical Elective (3)	
MNG 311 (3)	
Semester Hours	12

Total Credit Hours: 79