

ASSOCIATE IN SCIENCE AND BS IN CHEMICAL 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 Chemical Engineering.

Engineering Standing upon transfer is available to students who maintain an overall and pre-major GPA of 2.5. Pre-major courses considered in the standing for Chemical Engineering include: CHE 105 (or equivalent), CHE 107 (or equivalent), CHE 111 (or equivalent), CHE 113 (or equivalent), MA 113 (or equivalent), MA 114 (or equivalent), MA 213 (or equivalent), PHY 231, CIS/WRD 110 (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 + 175: General Chemistry I & Lab (5)	
MA 113, MAT 174, or MAT 175: Calculus I (4-5)	
CS 115 or CIT 144 or CIT 149 (3)	
Semester Hours	15-16

2nd Semester	
ENG 102: Writing II (3)	
CHE 180 + 185: General Chemistry II & Lab (5)	
MA 114, MAT 184, or MAT 185: Calculus II (4-5)	
*Heritage course (3)	
Semester Hours	15-16

First Summer Option	
Semester Hours	

3rd Semester	
PHY 231: General University Physics I (4)	
MA 213 + 195, MAT 213, or MAT 275: Calculus III (4-5)	
CHE 270 + 275: Organic Chemistry I (4)	
Oral Communication course (3)	
*Social and Behavioral Science course (3)	
Semester Hours	18-19

4th Semester	
MA 214, MAT 214, or MAT 285: Calculus IV/Differential Equations (3)	
PHY 232: General University Physics II (4)	
CHE 280: Organic Chemistry II (3)	
*Humanities course (3)	
*Social and Behavioral Science course (3)	
Semester Hours	16

Total Credit Hours: 64-67

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)	
CME 200 (3)	
MSE 201 (3)	
WRD 204 (3)	
Semester Hours	12

6th Semester	
CME 220 (3)	
CME 320 (3)	
Engineering/Science Elective (3)	
Engineering/Science Elective (3)	
Semester Hours	12

Third Summer Option
Semester Hours

7th Semester	
CME 330 (3)	
CHE 446G (3)	
CME 415 (3)	
Semester Hours	9

8th Semester	
CME 420 (3)	
CME 425 (4)	
CME 432 (2)	
CME 006 (0)	
Engineering/Science Elective (3)	
Semester Hours	12

9th Semester	
CME 433 (3)	
CME 455 (3)	
CME 550 (3)	
CME 470 (2)	
CME 006 (0)	
Engineering/Science Elective (3)	
Semester Hours	14

10th Semester	
CME 456 (4)	
CME 462 (3)	
STA 381 (3)	
CME 006 (0)	
Semester Hours	10

Total Credit Hours: 69