

CHEMICAL TECHNOLOGY - CERTIFICATE



CHMC

Knight Campus, Warwick only

The chemical industry is one of the fastest growing industries in the United States. Its need for trained technicians in quality control, analysis, and research and development laboratories is extensive.

The Chemical Technology certificate program prepares graduates to enter the chemical field in any one of a variety of capacities – chemical research technician, laboratory assistant, chemical production technician, junior chemist or analytical technician. The program is structured to develop a fundamental understanding of general, organic and analytical chemistry, with emphasis on laboratory applications and techniques. The certificate program consists of the four core Chemical Technology courses, an English course and mathematics proficiency.

Note: Students must take the ACCUPLACER test to ensure proficiency in mathematics. If the ACCUPLACER test indicates, Foundations of College Mathematics (MATH 0100) or Foundations of College Algebra (MATH 0101) is required. Many courses require prerequisites, corequisites and/or testing. See course descriptions (<https://catalog.ccri.edu/course-descriptions/>) for details.

Certificate Requirements

| Code | Title | Hours |
|-------------|--------------------------------------|-------|
| CHMT 1120 | Chemical Technology I | 6 |
| CHMT 1220 | Chemical Technology II | 6 |
| CHMT 2320 | Chemical Technology III ¹ | 10 |
| CHMT 2420 | Chemical Technology IV | 8 |
| ENGL 1010 | Composition I | 3 |
| Subtotal | | 33 |
| Total Hours | | 33 |

¹ Chemical Technology III (CHMT 2320) starts in January and ends in August.

Recommended Course Sequence

| Course | Title | Hours |
|-------------------|------------------------|-------|
| Year 1 | | |
| Semester 1 | | |
| CHMT 1120 | Chemical Technology I | 6 |
| ENGL 1010 | Composition I | 3 |
| Hours | | 9 |
| Semester 2 | | |
| CHMT 1220 | Chemical Technology II | 6 |
| Hours | | 6 |

Year 2

Semester 1

| | | |
|-----------|--------------------------------------|----|
| CHMT 2320 | Chemical Technology III ¹ | 10 |
| Hours | | 10 |

Semester 2

| | | |
|-------------|------------------------|----|
| CHMT 2420 | Chemical Technology IV | 8 |
| Hours | | 8 |
| Total Hours | | 33 |

¹ Starts in January and ends in August.