

CHEMICAL TECHNOLOGY - ASSOCIATE IN APPLIED SCIENCE



CHMT

Knight Campus, Warwick only

This program was the first in the nation to be accredited by the American Chemical Society (<https://www.acs.org/content/acs/en.html>).

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 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.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions (<https://catalog.ccri.edu/course-descriptions/>) for details.

Requirements

Code	Title	Hours
General Education Requirements		
BIOL 1000	Cell Biology for Technology ¹	4
or BIOL 1002	Introductory Biology: Cellular	
CHMT 1120	Chemical Technology I	6
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1200	College Algebra (or MATH 1200C) ²	4
MATH 2103	Applied Precalculus	4
Humanities OR Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/)		3
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		3
Subtotal		27
Major Requirements		
BUSN 1015	Business Computing Applications	3
CHMT 1220	Chemical Technology II	6
CHMT 2321	Chemical Technology III	5
CHMT 2322	Chemical Technology IV	5
CHMT 2421	Chemical Technology V [^]	8
ETEE 1050	Introduction to Electromechanical Systems	3
INST 1010	Introduction to Instrumentation Technology	3
Subtotal		33
Total Hours		60

¹ Students who also plan to complete the Biotechnology certificate program should choose Cell Biology for Technology (BIOL 1000).

² MATH 1200 or MATH 1200C meets the general education mathematics requirement only for the CHMT, DMSD, and XRAY programs.

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
CHMT 1120	Chemical Technology I	6
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1200	College Algebra (or MATH 1200C)	4
Hours		13
Semester 2		
CHMT 1220	Chemical Technology II	6
INST 1010	Introduction to Instrumentation Technology	3
MATH 2103	Applied Precalculus	4
Humanities OR Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/)		3
Hours		16
Summer Session		
CHMT 2321	Chemical Technology III	5
Hours		5
Year 2		
Semester 1		
CHMT 2322	Chemical Technology IV	5
Choose one of the following:		4
BIOL 1000	Cell Biology for Technology	
BIOL 1002	Introductory Biology: Cellular	
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		3
Hours		12
Semester 2		
CHMT 2421	Chemical Technology V [^]	8
BUSN 1015	Business Computing Applications	3
ETEE 1050	Introduction to Electromechanical Systems	3
Hours		14
Total Hours		60

¹ MATH 1200 meets the general education mathematics requirement only for the CHMT, DMSD, and XRAY programs.

Transfer

If you are interested in earning a bachelor's degree, please meet with an Academic Advisor (<https://ccri.edu/advising/>) who can help you select the courses that best prepare you for transfer to a four-year college or university.

If you are interested in transferring to Rhode Island College or the University of Rhode Island, check out the Joint Admissions Agreement (<https://ccri.edu/jaa/>). Transfer information, events and articulations can be found on the Transfer Center website (https://ccri.edu/oes/transfer_center/).