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: It is recommended that full-time students take a minimum of 15 credits each semester. 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]	3
MATH 2103	Applied Precalculus	3
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		25
Major Requirements		
BIOL 2480	General Microbiology	4
CHMT 1220	Chemical Technology II	6
CHMT 2320	Chemical Technology III [3]	10
CHMT 2420	Chemical Technology IV	8
Select one of the following options:		3
Option 1:		
COMI 1100	Introduction to Computers	
Option 2:		
COMI 1420	Introduction to Spreadsheets (5 weeks)	
COMI 1430	Introduction to Database Software (5 weeks)	
Any other COMI course		
ETEE 1050	Introduction to Electromechanical Systems	3
INST 1010	Introduction to Instrumentation Technology	3
Subtotal		37
Total Hours		62

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.
3. This course starts in January and ends in August.

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
CHMT 1120	Chemical Technology I	6
BIOL 1000 or BIOL 1002	Cell Biology for Technology or Introductory Biology: Cellular	4
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1200	College Algebra (or MATH 1200C) [1]	3
	Hours	16
Semester 2		
CHMT 1220	Chemical Technology II	6
INST 1010	Introduction to Instrumentation Technology	3
MATH 2103	Applied Precalculus	3
Humanities OR Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/)		3
	Hours	15
Year 2		
Semester 1		
CHMT 2320	Chemical Technology III [2]	10
BIOL 2480	General Microbiology	4
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		3
	Hours	17
Semester 2		
CHMT 2420	Chemical Technology IV	8
COMI course(s)		3
ETEE 1050	Introduction to Electromechanical Systems	3
	Hours	14
	Total Hours	62

1. MATH 1200 meets the general education mathematics requirement only for the CHMT, DMSD, and XRAY programs.
2. This course starts in January and ends in August.

Transfer

If you are interested in earning a bachelor's degree, please meet with an Academic Advisor (https://www.ccri.edu/advising/transfer_information/) who can help you select the courses that best prepare you for transfer to a four-year college or university. For more information, you can also visit C (https://www.ccri.edu/oes/admissions/trafrccri.html)CRI's Transfer website (https://www.ccri.edu/oes/admissions/trafrccri.html) with

resources on course and program transfer to Rhode Island College and the University of Rhode Island, or visit CCRI's Transfer Articulation (https://www.ccri.edu/oes/records/transfers/traagree.html) page for information on articulation agreements with colleges and universities throughout New England.