

Chemical Technology

PROGRAMS

Associate Degree Program

Chemical Technology

Certificate Program

Chemical Technology

CCRI offers a certificate and an associate in applied science degree in Chemical Technology. Either program can be taken on a part- or full-time basis, but the program is designed to allow students to fit their education into their busy lives. It is recommended that all students initially enroll in the certificate program because employers often do not discriminate between certificate- and degree-holding job candidates. Students can continue on to earn the associate in applied science degree. The A.A.S. degree in Chemical Technology transfers to most four-year institutions as the first two years of a traditional baccalaureate program in Chemistry.

For more information contact Program Coordinator Wayne Suits at 401-825-2010 or wsuits@ccri.edu.



Associate in Applied Science Degree in Chemical Technology (AAS_CHMT)

Knight Campus, Warwick only

This program was the first in the nation to be accredited by the American Chemical Society.

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 at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE

First semester: CHMT 1120; BIOL 1000 **OR** 1002; ENGL 1010; MATH 1200 **OR** 1700

Second semester: CHMT 1220; MATH 1210 **OR** 1710; INST 1010; Humanities **OR** Social Science Elective

Third semester: CHMT 2320; BIOL 2480; Social Science Elective

Fourth semester: CHMT 2420; COMI course(s); ETEE 1050

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
— BIOL 1000** — OR 1002	Cell Biology for Technology OR Introductory Biology: Cellular	4
— BIOL 2480	General Microbiology	4
— ENGL 1010	Composition I	3
— Humanities — OR Social Science Elective	See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.	3
— MATH 1200† — OR 1700	College Algebra OR Algebra for Technology	3
— MATH 1210† — OR 1710	College Trigonometry OR Trigonometry for Technology	3
— INST 1010	Introduction to Instrumentation Technology	3
— Social Science Elective	See page 22 for complete list of courses that fulfill the SSCI attribute.	3
Total General Education Credits		26

Major Requirements

COURSE NO.	COURSE TITLE	CREDITS
— CHMT 1120	Chemical Technology I	6
— CHMT 1220	Chemical Technology II	6
— CHMT 2320*	Chemical Technology III	10
— CHMT 2420	Chemical Technology IV	8
— COMI 1100 — OR COMI 1420	Introduction to Computers OR Introduction to Spreadsheets (5 weeks) AND	3 1
— AND COMI 1430 — AND COMI	Introduction to Database Software (5 weeks) AND any other COMI course	1 1
— ETEE 1050	Introduction to Electromechanical Systems	3
Total Major Requirements Credits		36

Total Program Credits

62

*CHMT 2320 starts in January and ends in August.

**Students who also plan to complete the Biotechnology certificate program should choose BIOL 1000.

†Students who plan to transfer and complete a bachelor's degree in Chemistry should choose MATH 1200 and 1210.