

CHEMICAL TECHNOLOGY - ACADEMIC CERTIFICATE (3306)

Code	Title	Credits
General Education Requirements (10 Credits)		
ENG 101	College Composition I	3
ENG 105	Technical Writing	3
MTH 100	Intro. to College Mathematics	4
or MTH 101	Statistics and Probability I	
Major Requirements (20 Credits)		
CHM 101	College Chemistry I	4
CHM 102	College Chemistry II	4
CHM 299	Research Study in Chemistry	3
CHT 131	Introduction to Cheminformatics	3
CHT 132	Technical Chemistry - Calculations	3
CHT 133	Instrumental Methods	3
Total Credits		30

Chemical Technology

Curriculum Code: 3306

Will Earn Upon Program Completion:
Academic Certificate (AC)

CHT 131	Introduction to Cheminformatics	3
Credits		14
Second Semester		
ENG 105	Technical Writing	3
CHT 132	Technical Chemistry- Calculations	3
CHT 133	Instrumental Methods	3
CHM 102	College Chemistry II	4
Credits		13
Third Semester		
CHM 299	Research Study in Chemistry	3
Credits		3
Total Credits		30

Upon completion of this program, graduates will be able to:

- Demonstrate knowledge of the fundamental concepts in chemical analysis.
- Perform scientific investigations while properly utilizing laboratory equipment and instruments safely and effectively.
- Utilize problem-solving and critical thinking techniques to set up and solve applied problems related to quality control in chemical production, research and laboratory(ies).
- Analyze experimental data based on recorded observations and collected data.
- Communicate accurate scientific terminology and notation in written and/or oral form in order to solve problems and interpret found solutions

Why major in Chemical Technology Certificate?

The Chemical Technology Academic Certificate program is designed to equip students with foundational knowledge and hands-on skills necessary for entry-level employment in chemical production, research, and laboratory environments.

If I major in Chemical Technology Academic Certificate, can I transfer to an upper division college or university?

The Chemical Technology Certificate program provides smooth transfer into A.S. program in Chemistry.

Are there any requirements I must satisfy before I start taking courses in my major?

Based on your placement test scores, you may have to take developmental courses in reading, English, and/or Mathematics before taking the core curriculum courses.

How long will it take for me to complete this degree?

If you do not need developmental course work and you register for an average of 15 credits each semester, you can complete the program in two semesters.

Where should I direct specific questions about this program?

Call the Division at (973) 877-3430

Course	Title	Credits
First Semester		
ENG 101	College Composition I	3
MTH 100	Intro. to College Mathematics	4
or MTH 101	or Statistics and Probability I	
CHM 101	College Chemistry I	4