



CHEMISTRY TECHNOLOGY: MATH CONCENTRATION

Delaware Technical & Community College • www.dtcc.edu/connecteddegree



An opportunity to gain an associate degree from Delaware Tech and a bachelor's degree from the University of Delaware.

YOUR PATH TO A BACHELOR'S DEGREE

Delaware Tech has established agreements with four-year colleges and universities that connect Delaware Tech associate degree programs with bachelor's degree programs to create smooth transfer opportunities for you. These Connected Degree programs enable you to complete your associate degree transfer as a junior.

THE CONNECTED DEGREE 2 + 2 CURRICULUM

Delaware Tech's associate degree program in Chemistry Technology: Math Concentration teaches students the processes and procedures of laboratory work, modern instrumentation and chemical principles in preparation for employment in research and in a laboratory setting. This option also prepares students for further study in Chemistry at the baccalaureate level.

The University of Delaware's Bachelor of Arts degree in Chemistry prepares students with the knowledge and technical skills to pursue careers in government and industry. The program combines science and research courses with a liberal arts education to prepare students to succeed in a variety of industries. Additionally, students are prepared to pursue advanced degrees in chemistry and chemistry-related disciplines.

VALUE FOR YOU

By completing your associate degree at Delaware Tech, you'll receive excellent instruction in small classes at a campus close to home. Delaware Tech's affordable tuition can reduce the overall cost of your college education, making the completion of your bachelor's degree more manageable.

MAKING THE CONNECTION

Refer to the Connected Degree curriculum (on the reverse side of this page) for the sequence of courses needed to complete this program. Call Delaware Tech and let us help you follow the path to your bachelor's degree.



CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

ASSOCIATE DEGREE Chemistry Technology: Math Concentration	BACHELOR'S DEGREE BA Chemistry
DELAWARE TECHNICAL & COMMUNITY COLLEGE	UNIVERSITY OF DELAWARE
FIRST SEMESTER (fall)	FIFTH SEMESTER (fall)
BIO 150 Biology I 4	CHEM 418 Introductory Physical Chemistry I 3
CHM 150 Chemical Principles I 5	CHEM 445 Physical Chemistry Lab I 1
ENG 121 Composition 3	Foreign Language 4
CIS 107 Intro to Computers/Application 3	Group A Course 3
MAT 185 Precalculus 4	Group B Course 3
19	14
SECOND SEMESTER (spring)	SIXTH SEMESTER (spring)
ENG 122 Technical Writing/Communications 3	CHEM 419 Introductory Physical Chemistry 3
CHM 151 Chemical Principles II 5	Foreign Language 4
PHY 171 Physics I 4	Group A Course 3
PSY 121 General Psychology 3	Group B Course 3
15	Group C Course 3
	16
THIRD SEMESTER (fall)	SEVENTH SEMESTER (fall)
CHM 240 Organic Chemistry I 4	CHEM 437 Instrumental Methods 3
CHM 250 Analytical Chemistry I 5	CHEM 438 Instrumental Methods Laboratory 1
PHY 172 Physics II 4	Foreign Language 4
MAT 281 Calculus I 4	Group A Course 3
17	Group B Course 3
	14
FOURTH SEMESTER (spring)	EIGHTH SEMESTER (spring)
CHM 241 Organic Chemistry II 4	CHEM XXX Advanced Chemistry Course 3
CHM 251 Analytical Chemistry II 4	Multicultural Course 3
PHY 271 Electricity & Magnetism 4	Group A Course 3
SOC 111 Sociology I 3	Group B Course 3
15	Group C Course 3
	15
Course offerings by semester may vary. See your advisor.	See your advisor to determine appropriate foreign language, multicultural, and other electives. Initial placement and total credits required in foreign language depend on years of that language taken in high school; maximum of 12 credits required if student must start with 105 level.
RDG 120, Critical Reading and Thinking, will be a required DTCC course unless the student is exempt.	The multicultural requirement may be fulfilled through careful selection of breadth course. Students must take a sufficient number of credits to meet the minimum requirement of 124 for the BA in Chemistry.
*MATH242, Analytic Geometry & Calculus B, is a highly recommended course for the BA in Chemistry degree. MAT282, Calculus II, may be taken at DTCC as a match for UD's MATH 242.	

For more information contact:

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