



**Now
Accepting
Students!**

MANSFIELD UNIVERSITY

Associate of Science **CHEMICAL TECHNOLOGY**

PROGRAM DESCRIPTION

Offered by the Department of Chemistry and Physics, this program focuses on developing knowledge and skills in both chemistry and mathematics, integrating laboratory technical training and theory with computer and mathematics skills to enable career progression in technical fields. Our program ensures that our students gain as much experience as possible in measurement, laboratory procedures, instrumentation, and data manipulation across organic chemistry, analytical chemistry, and physical science, while also providing a foundation in the mathematics and computer skills needed to process and record results. This configuration of course requirements in Chemistry, Mathematics, Physics, and Computer Science prepares students well for entry-level positions where the associate's degree in Chemical Technology is the minimum required credential. Graduates may also choose to continue on to complete the four-year bachelor's degree in Chemistry.

REAL WORLD EXPERIENCE

At Mansfield, students benefit from individualized attention in a supportive learning environment. First-year chemistry students use instrumentation and equipment that is traditionally introduced to students only at the graduate level. In addition, the department's association with the Corning American Chemical Society Section allows our students to be exposed early on to the professional side of chemistry and physics.

CAREER OPPORTUNITIES

Chemical Technology graduates are prepared for occupations that include responsibility for process control in industrial or manufacturing plants, and for completing assigned tasks including data collection, quality control, field sampling, equipment operation, equipment installation, and chemical preparation. Employment demand for chemical technicians is expected to grow both nationally and regionally. For more resources about career opportunities, visit career.mansfield.edu.

admissions.mansfield.edu

SAMPLE COURSE SEQUENCE
Associate of Science
CHEMICAL TECHNOLOGY

Program Requirements • 61 Credits

FIRST SEMESTER: 15 Credits

FYS 1100: First-Year Seminar
MA 1135: Math Applications in Industry
ENG 1112: Composition I
CHM 1111: General Chemistry I
COM 1101/1102: Oral Communication

SECOND SEMESTER: 16 Credits

MA 1165: Pre-Calculus Mathematics
CHM 1112: General Chemistry II
General Education Course
General Education Course
General Education Course

THIRD SEMESTER: 15 Credits

CHM 3301: Organic Chemistry I
CHM 3311: Quantitative Analysis
PHY 1191: Physics I
General Education Course

FOURTH SEMESTER: 15 Credits

CHM 3302: Organic Chemistry II
CHM 3332: Instrumental Analysis
MA 1125: Introductory Statistics
CIS 2203: Software for Business Applications



Office of Admissions
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