

Chemical and Environmental Engineering Technologies

Chemical Technology is a career field that uses sophisticated chemical/biochemical methods and cutting-edge instrumentation to analyze chemical and pharmaceutical substances and evaluate their properties.

- The **Chemical Technology (CMT)** associate's degree program prepares students to become laboratory technicians, research associates, or process chemists in high-tech research and development or quality control laboratories, academic institutions, government agencies, and chemical manufacturing facilities.
- The **Chemical Technology Operator Certificate (CMTOC)** provides technical skills for students seeking positions in a variety of process technology industries.
- The **Chemical Technology Production Certificate (CMTPC)** (<https://catalog.cincinnati.state.edu/archives/2024-2025/academicdivisionsanddegreeampcertificateprograms/engineeringandinformationtechnologiesdivision/chemicalandenvironmentalengineeringtechnologies/chemicaltechnology/>) prepares students for entry-level positions in chemical production industries.

Environmental Engineering Technology is a career field that applies principles of math, science, technology, engineering, and law to protect the environment, promote conservation of natural resources, and ensure the health and safety of workers and the community.

Environmental issues affect the operations of many chemical and manufacturing industries, and play a role in agriculture, transportation, defense, energy, construction, and many other commercial enterprises. Environmental technologies also factor into the protection of parks and forests, nature preserves, and recreational venues.

- The **Environmental Engineering Technology (EVT)** associate's degree program also offers two majors: **Stormwater Management (EVTS)** and **Water and Wastewater (EVTW)**. All courses, except cooperative education, meet Ohio Environmental Protection Agency requirements for license renewal (U.S. EPA External Provider).
- The **Environmental Safety and Security Certificate (EVTSC)** develop skills related to disaster preparedness, utilities safety and security, transportation safety and security, law enforcement, and research.
- The **Environmental Plant Operator Wastewater/Water Certificate (EVTPOC)** (<https://catalog.cincinnati.state.edu/archives/2024-2025/academicdivisionsanddegreeampcertificateprograms/engineeringandinformationtechnologiesdivision/chemicalandenvironmentalengineeringtechnologies/evtw/>) prepares students to enter a career in the water or wastewater industry.

For more information, please contact the Engineering and Information Technologies Division at (513) 569-1743.