Manufacturing Engineering Technology

The Manufacturing Engineering Technology (MET) program is a broad-based general science degree designed to prepare students for careers in the chemical processing industry, manufacturing, and advanced technology.

Graduates from the MET program have five options; (1) transfer to a four-year engineering program, (2) transfer to a 4-year engineering technology program, (3) seek employment as an engineering technician, (4) seek employment as a process technician, research technician, laboratory technician or (5) transfer to a four-year school offering a BS in technology. The program complies with the American Chemical Society's voluntary standards and with the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology in Engineering Technology.

What Will I Learn?

Graduates from this program will have a solid foundation in mathematics, physics, and chemistry combined with a good understanding of the equipment and technology associated with the operation of the manufacturing industry.

View Program Learning Outcomes

"What Can I Do With This Course of Study?"

Optional career paths could include chemistry, safety, pharmaceuticals, power generation, or engineering. The program will comply with the American Chemical Society’s voluntary standards and with the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology in Engineering Technology.

Manufacturing Engineering Technology (AAS) Degree Plan

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Course	Course Title	Counts Toward
PTAC 1302	Introduction to Process Technology	PT1
PTAC 1410	Process Technology I: Equipment	PT1
PTAC 1332	Process Instrumentation I	PT1
MATH 1314	College Algebra	PT1
CHEM 1411	General Chemistry I	
PTAC 1308	Safety, Health, and Environment I	PT1
PTAC 2420	Process Technology II: Systems	PT1
PTAC 2314	Principles of Quality	PT1, SM1
PTAC 2346	Process Troubleshooting	PT1
PTAC 2438	Process Technology III: Operations	PT1

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Course	Course Title	Counts Toward
CTEC 2445	Unit Operations	
ENGT 2310	Introduction to Manufacturing Processes	
PHYS 1401	College Physics I Mechanics & Heat	
ENGL 1301	English Composition I	
SBS	Recommended: HIST 1301 Other options: Any SBS/ HIST/GOVT core course	
SPCH	Recommended: SPCH 1315 Other Options: Any other SPCH core course	
Creative Arts/LPC	Recommended: ARTS 1301, MUSI 1306 Other options: Any Creative Arts or Language, Philosophy, and Culture Core Class	
CTEC 2250	Unit Operations II	

KINE 1100-1164	Kinesiology (1 SCH) Elective

Students interested in pursuing the Process Technology Certificate can access the plan here. Students interested in pursuing the Safety Management Certificate can access the plan here.

CAREERS
tN THIS FIELD
My Next Move

Live Chat

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Contact an Advisor/Counselor