

Manufacturing Engineering Technology



[Explore Catalog Search Courses](#)

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.

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.

Degree and Certificates

Associate of Applied Science in Manufacturing Engineering Technology
Certificate of Completion

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 | |

CTEC 2250
KINE 1100-1164

Other options: Any
Creative Arts or
Language, Philosophy,
and Culture Core Class
Unit Operations II
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
IN THIS FIELD
My Next Move](#)

■

[Live Chat](#)

Contact Info.

Dr. Charles Thomas
281.425.6270
Math, Engineering & Sciences Department/ FT Faculty - Speech
cthomas@lee.edu

[Contact an Advisor/Counselor](#)