

# MANUFACTURING ENGINEERING TECHNOLOGY, ASSOCIATE

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A minimum of 62 credits (at the 100 level or higher) must be earned for graduation with a cumulative gpa of 2.00 or higher. A gpa of 2.00 or higher is also required in your Major, as well as in your General Education Requirements.

## Program Description

The manufacturing engineering technology associate's degree program prepares you to work with traditional and modern manufacturing equipment and methods in today's high-tech manufacturing environment. Graduates will have theoretical and practical knowledge in traditional manufacturing processes such as turning, milling, foundry and welding along with newer technologies such as robotics, CAD (computer-aided drafting), and CAM (computer-aided manufacturing).

Throughout the program, students acquire cross-disciplinary skills in manufacturing, computer applications, electronics and mechanical technology that are in high demand in industry.

## Program Learning Outcomes

- Communicate in a technical environment
- Analyze mechanical systems by applying math, science, and/or engineering equations and techniques
- Use technical tools to solve engineering problems

## Degree Requirements

Code	Title	Hours
<b>Department Requirements</b>		
CHEM 108	Applied Chemistry	3
CHEM 109	Applied Chemistry Lab	1
EGEE 125	Digital Fundamentals	4
EGET 270	Applied Electricity	4
EGET 275	Applied Electronics	4
EGME 110	Manufacturing Processes	3
EGME 141	Solid Modeling	3
EGME 240	Assembly Modeling and GD&T	3
EGMT 225	Statics, Strength of Materials	4
EGNR 101	Introduction to Engineering	2
EGNR 265	C Programming	3
MATH 111	College Algebra (C or better required)	3
MATH 131	College Trigonometry (C or better required)	3
MATH 207	Prin of Statistical Methods	3
PHYS 221	Principles of Physics I	4
<b>Technical Electives</b>		
Select 2 credits from any EGXX courses <sup>1</sup>		2
<b>Total Hours</b>		<b>49</b>

<sup>1</sup> It is recommended for students intending to pursue a BS-MfgET degree, that the free electives should be EGNR 140 Linear Alg Num Apps Engineers or EGRS 215 Introduction to Robotics.

**General Education:** All LSSU Associate's degree candidates must complete the LSSU General Education Requirements.