Millersville University
Applied Engineering & Technology Management Degree Program Learning Outcomes

A. **Disciplinary Knowledge**: An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly defined applied engineering activities.

**Concentration Specific Disciplinary Knowledge Learning Outcomes:**

- **Advanced Manufacturing**: An ability to apply specific skills and knowledge of tools, equipment, systems, materials, processes, and procedures to solve manufacturing and production problems.

- **Computer-Aided Drafting & Design**: An ability to select and apply the knowledge, techniques, skills, and modern tools of the computer-aided drafting & design discipline.

- **Construction Management**: An ability to select and apply the knowledge, techniques, skills and modern tools of the construction management discipline.

- **General Technology**: An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to manage complex projects and people in a technical environment.

- **Graphic Communication**: An ability to select and apply the knowledge, techniques, skills, and modern tools of the graphic communication discipline.

- **Robotics & Control Systems**: An ability to select and apply the knowledge, techniques, skills, and modern tools of the robotics and control systems discipline.

B. **Design**: An ability to design systems, components, or processes for broadly defined applied engineering problems appropriate to program educational objectives.

C. **Collaboration**: An ability to function effectively as a member or leader on a technical team.

D. **Oral Communication**: An ability to apply oral and graphical communication in both technical and non-technical environments.

E. **Written Communication**: An ability to apply written communication in both technical and non-technical environments.