

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.