

***Millersville University
Applied Engineering and Technology Management
Overall Degree Competencies***

Upon the completion of the overall requirements for the AETM, students will be able to:

- A • Demonstrate outcomes of a broad-based general education, with emphasis on oral and written communication, science and math.
- B • Solve problems related to applied engineering, using contemporary systems appropriate in selected technological fields of specialization.
- C • Utilize skills in entry-level technical management, with special emphasis on business organization and management, production planning, quality control, industrial organization and industrial safety.
- D • Apply working knowledge of industry practices, structure, organization, systems, terminology, career opportunities and related professional organizations.

Management Core Competencies

Upon the completion of the Management Core for AETM program, students will be able to:

- E • Execute operations management functions and practices, including applications and limitations of various management schemes.
- F • Identify responsibilities of supervision in management within various industries.
- G • Implement key processes in project management such as scheduling, inventory control, and utilizing appropriate production planning techniques.
- H • Organize systems related to managing people and quality practices in industry.
- I • Assess varied industrial health and safety hazards according to federal and state safety legislation.