

# APPLIED ENGINEERING TECHNOLOGY MANAGEMENT (AETM)

---

**AETM 5930 Teaching Technology Education 3 Credits**

Teaching methodology, delivery styles, and curriculum development for technology education. Unit planning, lesson planning, and aligning curriculum to standards are emphasized in an interactive teaching/learning environment.

**Components:** Class

**Prereqs/Coreqs:** P. TEACHING 1230

**AETM 5950 Industrial Design for Production 3 Credits**

Study of design principles, production methods and simultaneous manufacturing techniques. Emphasis is on understanding and application of the design process. Laboratory activities focus on the design and production of a product.

**Components:** Class

**Prereqs/Coreqs:** P. AETM 1030 and AETM 1230,

**AETM 6640 Curriculum and Facility Planning 3 Credits**

Curriculum development through design of a program of study. Procedures for identifying and organizing content are examined. Laboratory design and layout are correlated with curriculum through examination of building codes, safety requirements, and equipment specifications.

**Components:** Class

**Prereqs/Coreqs:** P. TEACHING 1230

**AETM 6950 Production Planning and Control 3 Credits**

An investigation and study of the integrated approach of effective management practices associated with production planning, scheduling, and control. Operation strategy, quality of work life, global competition, lean manufacturing, forecasting methods, supply chain management practices, scheduling and plant facilities layout are stressed.

**Components:** Class

**Prereqs/Coreqs:** P. AETM 1030,

**AETM 7000 Research Methodology 3 Credits**

Introduction and background to the scientific method of inquiry, types of research, problem clarification, data gathering techniques, research data analysis, and proposal and research paper writing.

**Components:** Class