

# APPLIED ENGINEERING & TECHNOLOGY MANAGEMENT, B.S. - GRAPHIC & PACKAGING TECHNOLOGIES CONCENTRATION

The Graphic & Packaging Technologies major at Millersville University educates students on topics regarding pre-press through post-press operations, including design, layout and desktop publishing. As a multifaceted industry with a wide range of career opportunities in fields such as print production, digital publishing and design, and web-based media, this program will prepare graduates to find employment in areas like production planning and estimating, customer relations, digital production, sales and quality control.

Applied Engineering and Technology Management - Graphic & Packaging Technologies

## Major in Appl Engineering & Tech Mgt

Code	Title	Hours
<b>TECHNICAL OPTION</b>		
AENG 110	Communication and Information Systems	3
AENG 241	Drafting Communications	3
AENG 251	Print Media Systems	3
Web Publishing Systems - Choose 1 of the following:		3
AENG 252	Web Publishing Systems	
DESN 201	Understanding Web Design	
AENG 258	Package Engineering Fundamentals	3
AENG 344	Product Design	3
AENG 351	Digital Imaging	3
AENG 355	Contemporary Printing	3
AENG 356	Desktop Publishing	3
AENG 357	Packaging Specialty Printing	3
AENG 455	R&D in Graphic Communications and Packaging	3
AENG 457	Print Production Management & Cost Estimating	3
<b>TECHNOLOGY MANAGEMENT CORE</b>		
OSEH 120	Fundamentals of Safety, Health, Environmental Issues	3
BUAD 231	Principles of Marketing	3
BUAD 251	Principles of Management (C- minimum pre-req for MGMT 452)	3
MGMT 452	Operations and Supply Chain Management	3
AENG 492	Technical Entrepreneurship	3
AENG 494	Total Quality Management	3

### ELECTIVE COURSES IN TECHNOLOGY MANAGEMENT

A maximum of 6 internship credits (ITEC 300, 400) may be counted for this degree.

Technology Management Electives - Choose 2 of the following:		6-24
BUAD 161	Intro to Financial Accounting	
BUAD 352	Human Resource Management	
MGMT 357	International Management	

AENG 300	Co-Op Ed Experience in AENG	
AENG 392	Intro to Industrial Training	
AENG 400	Co-Op Ed Experience in AENG	
OSEH 221	Industrial Fire Prevention, Protection and Control	
OSEH 323	Human Factors in OSEH	
OSEH 333	Introduction to System Safety	
PSYC 329	Industrial Psychology	
SOCY 318	Soc Of Complex Organizations	
<b>Total Hours</b>		<b>60-78</b>

## Req Related for Applied Engineering, Tech/Mgt

Code	Title	Hours
ECON 101	Principles of Macroeconomics	3
ECON 102	Principles of Microeconomics	3
MATH 130	Elements of Statistics 1	3
Calculus - Choose 1 of the following:		4
MATH 151	Calculus for Management	
MATH 160	Precalculus	
MATH 161	Calculus 1	
Directed Science - Choose 2 of the following:		6-8
CHEM 101	Chem!Better Things/Better Lvng	
CHEM 103	Gen Organic and Biochemistry 1	
CHEM 104	Gen Organic and Biochemistry 2	
PHYS 103	Elements of Physics	
PHYS 104	Applied Physics	
PHYS 131	Physics 1 with Algebra	
PHYS 132	Physics 2 with Algebra	
Can receive credit for either PHYS 103 or 104, but not both		
<b>Total Hours</b>		<b>19-21</b>