

APPLIED ENGINEERING & TECHNOLOGY MANAGEMENT, B.S. - CONSTRUCTION MANAGEMENT

Millersville University's Construction Management concentration, within Applied Engineering and Technology Management, helps students develop the theoretical knowledge and leadership skills to pursue rewarding career opportunities in the construction industry. This program offers special facilities for students to use during their time at Millersville, including a materials processing lab, computer-aided drafting and design programs and a research and development facility. Graduates pursue fields in careers such as a project manager or project coordinator, field engineer, a scheduling assistant, compliance assistant, cost estimator or safety coordinator.

Major in Appl Engineering & Tech Mgt

Code	Title	Hours
TECHNICAL OPTION		
AENG 120	Energy Systems	3
AENG 130	Production Materials & Processes	3
AENG 241	Drafting Communications	3
AENG 271	Processing Nonmetallic Materials	3
AENG 331	Construction Technology 1	3
AENG 332	Construction Technology 2	3
AENG 345	Statics/Strength of Materials	3
AENG 346	Architectural Drawing	3
AENG 347	Engineering Visualization	3
AENG 348	Green Building and Sustainable Systems	3
AENG 433	Construction Project Management	3
Technical Elective - Choose 1 of the following:		3
AENG 326	Fluid Power	
AENG 342	Computer-Aided Engineering Drawing	
AENG 376	Woodworking Technology	
TECHNOLOGY MANAGEMENT CORE		
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
OSEH 120	Fundamentals of Safety, Health, Environmental Issues	3
OSEH 222	Construction Safety	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	
Total Hours		60-78

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		
Total Hours		19-21