

# ENGINEERING TECHNOLOGY MANAGEMENT MAJOR, B.S.

Students will complete approximately 120 credits of coursework to receive a Bachelor of Science degree, including a minimum of 43 credits of university general education curriculum. Of the 120-credit total, at least 42 credits of coursework will be at the upper level. With this major, an approved technical minor must be completed<sup>1</sup>.

Course	Title	Credits
<b>General Requirements</b>		
General Education ( <a href="https://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/">https://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/</a> )		43-53
<b>Natural Science Requirement</b>		
PHYSICS 1050	Principles of Physics (or higher)	
CHEMISTRY 1050	Survey of General Chemistry (or higher)	
<b>Mathematics Requirement</b>		
Select one of the following options:		6-9
Option 1 (math proficiency level of 40 required):		
MATH 2640	Calculus and Analytic Geometry I	
MATH 1830	Elementary Statistics	
Option 2 (math proficiency level of 30 required):		
MATH 2530	Trigonometry and Analytic Geometry	
MATH 1830	Elementary Statistics	
Option 3 (math proficiency level of 20 required):		
MATH 2450	Precalculus	
MATH 1830	Elementary Statistics	
Option 4 (math proficiency level of 15 required):		
MATH 1530	College Algebra	
MATH 1830	Elementary Statistics	
Option 5 (math proficiency level of 10 required):		
MATH 15	Intermediate Algebra	
MATH 1530	College Algebra	
MATH 1830	Elementary Statistics	
<b>Required Professional Concentration Courses</b>		
AETM 1010	Principles of Safety and Risk Management	3
AETM 4680	Engineering Technology Management Internship <sup>2</sup>	1-8
AETM 4900	Work Measurement and Human Factors	3
AETM 4940	Quality Assurance	3
AETM 4950	Production Planning and Control	3
AETM 4980	Training and Supervision	3
BUSADMIN 1210	Introduction to ERP	1-3
or BUSADMIN 2110	Management Information Systems	
BUSADMIN 1810	Microsoft Excel for Business	1-3
or BUSADMIN 2100	Supply Chain Management	
or COMPUTER 1830	Microcomputer Applications	
BUSADMIN 2010	Business Communication	3
or ENGLISH 3000	Technical Writing	
<b>Required Technical Core Courses<sup>3</sup></b>		
AETM 1030	Introduction to Manufacturing <sup>4</sup>	3
AETM 1200	AC/DC Fundamentals <sup>4</sup>	3
AETM 1230	Technical Drafting <sup>4</sup>	3
AETM 1530	Power Systems Technology <sup>4</sup>	3
AETM 1830	Introduction to Plastics Processing <sup>4</sup>	3
AETM 3050	Introduction to Metals Processes <sup>4</sup>	3
AETM 3130	General Industry OSHA 30 Hour	3
or AETM 3590	Industrial Hygiene and PPE	

or AETM 4880	Fire Protection and Environmental Safety	
AETM 3460	3D Industrial Production Drafting	3
<b>Approved Technical Minor</b> <sup>1</sup>		<b>24-33</b>
<b>Electives (if needed)</b> <sup>5</sup>		

<sup>1</sup> Approved Technical Minors include: Agriculture and Applied Engineering Technology Management (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/agriculture/minors/agricultural-applied-engineering-technology-management-minor/>), Construction Management (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/construction-management-minor/>), Construction Safety Management (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/construction-safety-management-minor/>), Drafting Technology (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/drafting-technology-minor/>), Industrial Control Systems Technology (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/industrial-control-systems-technology-minor/>), Metals Processing Technology (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/metals-processing-technology-minor/>), Safety Engineering Management (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/safety-engineering-management-minor/>), Plastics Processing Technology (<https://catalog.uwplatt.edu/undergraduate/business-industry-life-science-agriculture/applied-engineering-technology-management/plastics-processing-technology-minor/>), and Sustainability and Renewable Energy Systems (<https://catalog.uwplatt.edu/undergraduate/engineering-mathematics-science/sustainable-renewable-energy-systems/renewable-energy-minor/>).

<sup>2</sup> First 3 credits of internship are required. Only credits beyond 3 can count as elective credits.

<sup>3</sup> You must take these courses early in your program or they may result in course conflicts with upper-level courses.

<sup>4</sup> You must take these courses early in your program or they may result in course conflicts with upper-level courses.

<sup>5</sup> 120 credits are required for graduation.