

MECHANICAL ENGINEERING TECHNOLOGY (METBD)
Recommended Action Plan (RAP)
Bachelor of Science Degree
132 credits

Fall Semester Freshman Year – 16 credits		Credits	Spring Semester Freshman Year – 16 credits		Credits
EG T 120	Intro to Graphics & Solids Model	3	EG T 121	Applied Solid Modeling	3
<i>ENGL 015</i>	<i>Rhetoric and Composition (GWS)</i>	3	*MATH 082	Technical Mathematics II (GQ)	3
IET 101	Mfg Materials Processes & Lab	3	MCH T 111	Mechanics for Technology: Statics	3
MATH 081	Technical Mathematics I (GQ)	3	<i>PHYS 250</i>	<i>Introductory Physics I (GN)</i>	4
MET 107	Computer Appl for Technologists	3	<i>GA, GH, or GS, From General Education List</i>		3
<i>PSU 007</i>	<i>First-Year Seminar (FYS)</i>	1			
Fall Semester Sophomore Year – 16 credits		Credits	Spring Semester Sophomore Year – 18 credits		Credits
CAS 100	Effective Speech (GWS)	3	CHEM 110	Chemical Principles (GN)	3
*MATH 083	Technical Calculus (GQ)	4	CHEM 111	Experimental Chemistry (GN)	1
MCH T 213	Strength/Properties of Materials	3	EET 100	Electrical Circuits, Power & Electronics	3
MCH T 214	Strength/Properties of Materials Lab	1	IET 216	Production Design Lab	2
MET 206	Dynamics & Machine Elements	3	MATH 210	Calc with Engr Tech Applications	3
IET 215	Production Design	2	MET 210W	Machine Design	3
			<i>GA, GH, or GS, From General Education List</i>		3
Fall Semester Junior Year – 16 credits		Credits	Spring Semester Junior Year – 17.5 credits		Credits
MATH 211	Inter Calc&Diff Equations w/Appl	3	<i>ENGL 202C</i>	<i>Effective Writing: Tech Writing (GWS)</i>	3
MET 320	Strength of Materials	3	MGMT 409	Project Management for Engineers	3
MET 330	Thermodynamics	3	MET 306	Computer-Aided Design	3
MET 341	Mech. Measure & Instrument.	3	MET 331W	Heat Transfer	4
<i>PHYS 251</i>	<i>Introductory Physics II (GN)</i>	4	MET 415	Finite Element Analy Application I	3
			<i>BB H/KINES, From University List (GHA)</i>		1.5
Fall Semester Senior Year – 16 credits		Credits	Spring Semester Senior Year – 16.5 credits		Credits
MET 432	Fluid Power	3	MET 485	Senior Industrial Project	3
MET 425	Finite Element Analysis Appl. II	3	<i>BB H/KINES, From University List (GHA)</i>		1.5
MET 470	Materials Engineering	3	<i>GA, GH, or GS, From General Education List</i>		3
MET 480	Senior Capstone	1	<i>GA, GH, or GS, From General Education List</i>		3
<i>GA, GH, or GS, From General Education List</i>		3	<i>GA, GH, or GS, From General Education List</i>		3
Tech Elective, Program List		3	Tech Elective, Program List (300, 400-level)		3

Notes:

- **Bold type** indicates courses requiring a quality grade of C or better.
- *Italic* indicates courses that satisfy both major and General Education requirements.
- **Bold italics** indicates courses requiring a quality grade of C or better and that satisfy both major and General Education requirements.
- GWS, GHA, GQ, GN, GA, GH, and GS are codes used to identify General Education requirements.
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirements.
- If you have not completed two years of high school study of one foreign language and graduated in the year 2001 or later, you must also schedule 3-4 credits of college level foreign language (in addition to your program requirements).
- A METBD student must complete general education requirements, the requirements for the major, the number of elective credits required, and earn at least a minimum 2.00 grade-point average.
- General education requirements include 6 credits of arts (GA), 6 credits of humanities (GH), 6 credits of social and behavioral sciences (GS), 3 credits of health and physical activity (GHA), 9 credits of natural sciences (GN), 9 credits of writing/speaking (GWS), and 6 credits of quantification (GQ).
- Also required are 3 credits of United States cultures (US), 3 credits of International Cultures (IL) which can be used to satisfy part of the general education requirements. A (USI) may count for either category, but not both.
- The School of Engineering Advising Handbook is on-line at <http://www.behrend.psu.edu/academic/engineering/PDFS/SchoolHandbook.pdf>
- University Undergraduate Advising Handbook is on-line at <http://www.psu.edu/dus/handbook/>.
- Requirement Web page <http://www.psu.edu/advising/requirements.htm>.
- Blue Book Web site <http://www.psu.edu/bulletins/bluebook/>.
- *Students may take MATH 140 if qualified, after consulting with their advisor.