

## AS MECHANICAL ENGINEERING TECHNOLOGY to Indiana Tech BS MET

Ivy Tech Courses		Indiana Tech Course	Equivalency
<b>Written Communication</b>			
ENGL 111	English Composition	3 ENG 1252	Argumentative Writing
<b>Speaking and Listening</b>			
COMM 101	Fundamentals of Public Speaking	3 COMM 1400	Public Communication*
<b>Quantitative Reasoning</b>			
MATH 136	College Algebra	3 MA 1030	Applied Algebra
MATH 137	Trigonometry with Analytic Geometry	3 MA 1055	Applied Trigonometry
MATH 211	Calculus	3 MA 1200	Calculus I*
MATH 212	Calculus II	3 MA 1210	Calculus II*
<b>Scientific Ways of Knowing</b>			
PHYS 220	Mechanics	4 PH 1300\1310	General Physics I and Lab (Sub for PH 1100)
CHEM 105	Chemistry I	4 CH 1220	General Physics II and Lab (Sub for CH 1000)
<b>Social and Behavioral Ways of Knowing</b>			
XXXX XXX	PSYC 101	3 PSY 1700	Introduction to Psychology
<b>Humanistic and Artistic Ways of Knowing</b>			
PHIL 102	Introduction to Ethics	3 HUM 3710	Ethics (HUM EL)
<b>OTHER INSTITUTIONAL REQUIREMENTS</b>			
IVYT 111	Student Success for University Transfer	1 IIT 1000	University Experience
^ METC 279	Portfolio and Professional Preparation	1 NC	No Credit
<b>PROFESSIONAL/TECHNICAL CORE</b>			
METC 105	Intro. to Engineering Tech.	3 MET 1010	Introduction to Mechanical Engineering Technology
METC 107	Mechanical Design & Documentation	3 IME 3020	Computer Simulation of Manufacturing Processes I*
METC 111	Statics	3 EM 2040	Applied Statics*
METC 143	Materials and Processes	3 EGR 2600	Materials Science
METC 220	CAD for Mechanical Design	3 EGR 3600	CAD I-Parametric Modeling
METC 230	Fluid Power	3 MET 3500	Fluid Mechanics and Hydraulic Machines
METC 237	System Automation and Control	4 MET 2100	ME Instrumentation and Automatic Control
EECT 111	Introduction to Circuit Analysis	4 APP EL	Approved Elective*

\*= not needed in the current degree program