

AS: Mechanical Engineering Technology at Ivy Tech
to BS: Mechanical Engineering Technology at Indiana Tech

Ivy Tech		Indiana Tech	
Course	Credit	Course	Credit
ENGL 111 - English Composition	3	ENG 1252 Argumentative Writing	3
COMM 101 - Fundamentals of Public Speaking	3	COMM 1400 - Public Communication	3
MATH 136 - College Algebra C	3	MA 1030 - Applied Algebra	3
MATH 137 - Trigonometry with Analytic Geometry	3	MA 1055 - Applied Trigonometry	3
MATH 221 - Calculus for Technology I (was MATH 211 - Calculus I)	3	MA 1100 - Applied Calculus I	3
MATH 222 - Calculus for Technology II (was MATH 212 - Calculus II)	3	MA 1110 - Applied Calculus II	3
PHYS 101 - Physics I	4	PH 1300 - Genral Physics I (Sub for PH 1100)	3
CHEM 111 - Chemistry I	4	CH 1220 - General Chemistry & Lab I (sub for CH 1000	3
XXXX XXX - Social and Behavioral Ways of Knowing Elective (PSYC 101)	3	PSY 1700 - Introduction to Psycology	3
PHIL 102 - Introduction to Ethics	3	HUM 3710 - Ethics	3
IVYT 111 - Student Success in University Transfer	1	IIT 1000 - University Experience	1
METC 279 - Portfolio & Professional Preparation	1	Approved Elective (*)	1
METC 105 - Introduction to Engineering Technology	3	MET 1100 - Intro to Mechanical Eng Technology	3
METC 107 - Mechanical Design & Documentation	3	IME 3020 - Computer Simulation fo Manufacturing (*)	3
METC 111 - Statics	3	EM 2040 - Applied Statics (*)	3
METC 143 - Materials and Processes	3	EGR 2600 - Materials Science	3
METC 220 - CAD for Mechanical Design	3	EM 2700 - 3D CAD Parametric Modeling	3
METC 230 - Fluid Power	3	MET 3500- Fluid Mechanics and Hydraulic Machines	3
METC 237 - Systems Measurement Automation & Control	4	MET 2000 - ME Measurement and Instrumentation (was MET 2100 - Instrumentation and Automatics Control	3
EECT 111 - Introduction to Circuit Analysis	4	Approved Elective (*)	3
	60		56