

## Associate in Applied Science in Engineering Technology to Bachelor's in Industrial and Manufacturing Engineering

South West Michigan College			Indiana Tech Equivalency		
Course Number	Course Title	Credits	Course Number	Course Title	Credits
ENGL 103/ENGL 103W	Freshman English II	3 or 4	ENG 1252	Argumentative Writing	3
SPEE 104	Intro. To Human Communication	3	COMM 1250	Foundations of Communications	3
MATH 130	Precalculus Mathematics	5	MA 1090*	Precalculus (and proficieny credit for MA 1030 and 1055)*	4
CHEM 101	General Chemistry I	5	CH 1000	Fundamentals of Chemistry	3
PHYS 101	Introductory Physics I	5	PH 1100	Fundamentals of Physics	3
ECON 202	Microeconomics	3	ECON 2210	Microeconomics	3
POSC 201	American Government	3	SS 2800*	Introduction to Sociology*	3
HUMA 210	Intro. to Non-Western Civilization	4	HUM 2EL	Humanities Elective	4
HIST 102	Western Civilization II	4	HUM 1EL*	Humanities Elective*	4
EDUC 120	Educational Exploration and Planning	1	N/C	No Credit	N/C
CADD 101	Introduction to CAD/Auto CAD	4	EGR 1710	CAD I-Parametric Modeling	3
INTE 126	Intro. to Manufacturing	3	EGR 2650	Manufacturing Processes	3
INTE 140	Blueprint Reading	2	APP EL	Approved Elective	2
ISYS 110	Introduction to Computer Technology	3	MIS 1300	Software Tools	3
MATH 141	Analytical Geometry and Calculus I	5	MA 1100	Applied Calculus I	3
PHED 103	Life Wellness	2	APP EL	Approved Elective	2
PHYS 102	Introductory Physics II	5	PH 2100	Fundamentals of Physics II	3
<b>Total Credits</b>		<b>60</b>	<b>Total Credits</b>		<b>49</b>

\*As noted in the agreement, these course transfers are only available to SWM students that have a conferred AAS in Engineering Technolgy