

Ivy Tech Community College and University of Evansville
 Articulation Agreement Plan of Study
Associate of Science in Pre-Engineering to Bachelor of Science in Mechanical Engineering

Semester 1 at Ivy Tech					
Ivy Tech Course	Ivy Tech Course Title	Ivy Tech Hours	UE Course	UE Course Title	UE Hours
ENGL 111	English Composition	3	FYS 111	First Year Seminar	3
IVYT 111	Student Success	1	ELECTIVE	Free Elective Credit	1
MATH 211	Calculus I	4	MATH 221	Calculus I	4
CHEM 105	General Chemistry I	5	CHEM 118	Principles of Chemistry Elective Credit	4 1
ENGR 140	Engineering Software Tools I	3	ME 101	Introduction to Mechanical Engineering	3
ENGR 190	Intro to Engineering Design	2		Free Elective Credit	2
Semester Totals		18			18

Semester 2 at Ivy Tech					
Ivy Tech Course	Ivy Tech Course Title	Ivy Tech Hours	UE Course	UE Course Title	UE Hours
MATH 212	Calculus II	4	MATH 222	Calculus II	4
PHYS 220	Mechanics	5	PHYS 210	Calculus Physics I Tech. Elective Credit	4 1
ECON 201 or ECON 202	Macro Economics Micro Economics	3	ECON 101 or ECON 102	Satisfies 3 hrs for Outcome 9	3
COMM 101	Fundamentals of Public Speaking	3	COMM Elective	Satisfies 3 hrs for Outcome 9	3
ENGR 112	Exposition and Persuasion	3	FYS 112	Satisfies 3 hrs for Outcome 1 and Overlay E	3
Semester Transfer		18			18

Semester 3 at Ivy Tech					
Ivy Tech Course	Ivy Tech Course Title	Ivy Tech Hours	UE Course	UE Course Title	UE Hours
MATH 261	Multivariate Calculus	4	MATH 323	Calculus III	4
PHYS 221	Heat, Electricity, & Optics	5	PHYS 211	Calculus Physics II Tech. Elective Credit	4 1
ENGR 260	Vector Mechanics-Statics	3	ENGR 212	Statics	3
ENGR 251	Electrical Circuits I	4	EE 210	Circuits Tech. Elective Credit	3 1
Semester Transfer		16			16

Semester 4 at Ivy Tech					
Ivy Tech Course	Ivy Tech Course Title	Ivy Tech Hours	UE Course	UE Course Title	UE Hours
PHIL 101 or PHIL 102	Introduction to Philosophy or Introduction to Ethics	3	PHIL 111 or PHIL 121	Satisfies 3 hrs for Outcome 4	3
ENGR 279	Capstone Course	1	Elective	ME 197 Credit	1
MATH 264	Differential Equations	3	MATH 324	Differential Equations	3
ENGR 261	Dynamics	3	ENGR 213	Dynamics	3
XXXX XXX	Foreign Language* or Transfer Cluster Elective**	3	*See list below for recommendations	Foreign Language or General Education	3
ENGR 252	Electrical Circuits II	4	EE 215	Circuits and Systems ME 197 Credit	3 1
Semester Transfer		17			17
Total to Transfer					65¹

Semester 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
ENGR 230	Material Science	3
ENGR 232	Mechanics of Materials	3
ME 344	Design of Machine Elements	3
ENGR 352	Numerical Methods	3
ME 362	Thermodynamics	4
ME 330	Materials Lab	2
TOTAL		18

Semester 2 at University of Evansville		
UE Course	UE Course Title	UE Hours
ME 297	Integrated Design II	2
ME 345	Computer Aided Design of Machine Elements	3
ME 360	Thermal Fluids Lab	2
ME 318	Manufacturing Methods	3
	General Education	3
ENGR 366	Fluid Mechanics	3
TOTAL		16

Semester 3 at University of Evansville		
UE Course	UE Course Title	UE Hours
ME 368	Heat Transfer	3
ME 452	System Modeling & Control	3
ME 4XX	Elective	3
ME 495	Professional Practice I	3
ENGR 390	Applied Engineering Math	3
	General Education	3
TOTAL		18

Semester 4 at University of Evansville		
UE Course	UE Course Title	UE Hours
ME 497	Professional Practice II	3
ME 397	Integrated Design III	3
ME 4XX	Elective	3
HE 100	Health & Wellness	1
	General Education	3
	General Education	3
TOTAL		16
TOTAL at UE		67

¹Note: a maximum of 66 hours from Ivy Tech Community College can transfer to the University of Evansville, however, when a student completes 6 credit hours of one foreign language at ITCC, then up to 72 credit hours may be transferred. All credits

shown here will transfer in the same way even if the entire plan is not completed. Students completing ENGL 111 and 112 at Ivy Tech will satisfy the FYS requirement at UE.

*Foreign Language (only if necessary to meet UE foreign language requirement)

- Take 6 hours from same subject area:

ITCC Course	UE Equivalent	and gen ed area fulfillment
FREN 101	FREN 111	Outcome 6
FREN 102	FREN 112	Outcome 6
SPAN 101	SPAN 111	Outcome 6
SPAN 102	SPAN 112	Outcome 6

** Transfer General Education Core (TGEC) Elective

- Take only 1 from the following:

ITCC Course	UE Equivalent	and gen ed area fulfillment
HIST 101	HIST 141	Outcome 3
HIST 102	HIST 142	Outcome 3
HIST 111	HIST 111	Outcome 3
HIST 112	HIST 112	Outcome 3

- Take only 1 from the following:

ITCC Course	UE Equivalent	and gen ed area fulfillment
PHIL 101	PHIL 111	Outcome 4
PHIL 102	PHIL 121	Outcome 4

- Take only 1 from the following:

ITCC Course	UE Equivalent	and gen ed area fulfillment
ARTH 101	ARTH 208	Outcome 5
ARTH 102	ARTH 209	Outcome 5
ARTH 110	ART 105	Outcome 5
ENGL 202	WRTG 205	Outcome 5; Overlay E
HUMA 100	THTR 110	Outcome 5
HUMA 118	MUS 154	Outcome 5

- Take only 1 from the following

ITCC Course	UE Equivalent	and gen ed area fulfillment
ANTH 154	ANTH 207	Outcome 9
ECON 201	ECON 101	Outcome 9
ECON 202	ECON 102	Outcome 9
POLS 101	PSCI 143	Outcome 9
POLS 211	PSCI 160	Outcome 9
PSYC 101	PSYC 121	Outcome 9
SOCI 252	SOC 230	Outcome 9