Ivy Tech Community College and University of Evansville
Articulation Agreement Plan of Study
Associate of Science in Pre-Engineering to Bachelor of Science in Electrical 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	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 Tool I	3	ENGR 101	Introduction to Engineering	3
Semester Totals		16			16

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 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 160	Software Tools II	3	ELECTIVE	Elective Credit	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 Elective Credit	4 1
ENGR 260	Vector Mechanics-Statics	3	ENGR 212	Statics	3
ENGR 251	Electrical Circuits I	4	EE 210	Circuits 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
ENGR 279	Capstone Course	1	Elective	Elective Credit	1
MATH 264	Differential Equations	3	MATH 324	Differential Equations	3
ENGR 272	Intro to Digital Logic Design	4	EE 254	Logic Design Elective Credit	3 1
PHIL 101 or PHIL 101	Intro to Phil Intro to Ethics	3	PHIL 111 or PHIL 121	Satisfies 3 hrs for Outcome 4	3
ENGR 252	Electrical Circuits II	4	EE 215	Circuits and Systems Elective Credit	3 1
Semester Transfer		15			15
Total to Transfer					65[1]

Semester 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
EE 310	Linear Systems and DSP I	3
EE 320	Engineering Electromagnetics	3
CS 210 or ENGR 123	Programming	3
EE 430	Energy Conversion Systems	3
	Foreign Language I	3
	Math/Science Elective	3
TOTAL		18

Semester 2 at University of Evansville		
UE Course	UE Course Title	UE Hours
EE 311	Linear Systems and DSP II	3
EE 342	Electronics I	3
EE 360	Linear Control Systems	3
EE 224	EE Programming Lab	2
EE 254	Logic Design	3
EE 494	Sr Project Seminar	0
	Health and Wellness	1
	Foreign Language II	3
TOTAL		18

Summer 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
ENGR 390	Engineering Mathematics	3
EE 380	Inter Electrical Projects Lab	2
	General Education	3
TOTAL		8

Summer 2 at University of Evansville		
UE Course	UE Course Title	UE Hours
FYS 312	FYS for Transfer Students	3
TOTAL		3

Semester 3 at University of Evansville		
UE Course	UE Course Title	UE Hours
EE 343	Electronics II	3
EE 354	Digital Systems I	3
EE 421	Photonics I	3
EE 470	Communication Theory	3
EE 495	Senior Project Phase I	3
	Electrical Engr Elective	3
TOTAL		18

Semester 4 at University of Evansville		
UE Course	UE Course Title	UE Hours
EE 471	Digital Communications	3
EE 497	Senior Project Phase 2	3
EE ELEC	Electrical Engr Elective	3
EE 454	Digital System II	3
	General Education	3
	General Education	3
TOTAL		**18**
TOTAL at UE		**83**

[1]Note: 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 ENGL 112 at Ivy Tech will satisfy the FYS requirement at UE.

* <u>Transfer General Education Core (TGEC) Elective</u>

- Take any 6 hours from the following (*must be from 2 different subject areas*)

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

- 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
ARTH 101	ARTH 208 Outcome 5
ARTH 102	ARTH 209 Outcome 5
ARTH 110	ART 105 Outcome 5
ENGL 202	WRTG 205 Outcome 5
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
ENGL 206	ENGL 120 Outcome 2
ENGL 221	ENGL 122 Outcome 2
ENGL 222	ENGL 241 Outcome 2
ENGL 223	ENGL 242 Outcome 2

- 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 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