Ivy Tech Community College and University of Evansville
2018 Articulation Agreement Plan of Study
Associate of Science in Pre-Engineering to Bachelor of Science in Computer Science

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	Satisfies 3 hrs of Overlay E	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	CS 101	Intro to Computer Science	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
ENGL 112	Exposition and Persuasion	3	FYS 112	Satisfies 3 hrs for Outcome 1 and Overlay E	3
COMM 101	Fundamentals of Public Speaking	3	COMM Elective	Satisfies 3 hrs for Outcome 9	3
ECON 201 or ECON 202	Macro Economics Micro Economics	3	ECON 101 or ECON 102	Satisfies 3 hrs for Outcome 9	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
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 160	Engineering Software Tools II	3	Elective	Elective Credit	3
Semester Transfer		15			15

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	Elective	Elective Credit	3
ENGR 116	Geometric Modeling for Visualization	3	Elective	Elective Credit	3
ENGR 190	Introduction to Engineering Design	3	Elective	Elective Credit	3
ENGR 251 or ENGR 260	Electrical Circuits I or Statics	3	Elective	Elective Credit	3
	Transfer Cluster Elective*	3	*See List Below for Recommendations	General Education	3
Semester Transfer		14			16
Total to Transfer					**65[1]**

Semester 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
CS 210	Fund of Programming	3
MATH 370	Discrete and Combinatorial Mathematics	3
	General Education	3
	General Education	3
	Foreign Language	3
HE 100	Health and Wellness	1
TOTAL		16

Semester 2 at University of Evansville		
UE Course	UE Course Title	UE Hours
CS 215	Fund of Programming II	3
CS 220	Logic Design	3
Free elective (300-level)		3
	General Education	3
	Foreign Language	3
ENGR 390	Engineering Mathematics	3
TOTAL		18

Semester 3 at University of Evansville		
UE Course	UE Course Title	UE Hours
CS 380	Programming Languages	3
CS 381	Formal Languages	3
CS 390	Software Engineering	3
CS Elective		3
CS Elective		3
TOTAL		15

Semester 4 at University of Evansville		
UE Course	UE Course Title	UE Hours
CS 290	Object Oriented Programming	3
CS 315	Algorithms	3
CS 320	Computer Architecture	3
CS 470	Operating Systems	3
CS 494	Senior Project Seminar	0
CS 495	Senior Project I	3
TOTAL		15

Semester 5 at University of Evansville		
UE Course	UE Course Title	UE Hours
CS 497	Senior Project Phase II	3
CS Elective		3
CS Elective		3
Prof Dev Elective		3
Free Elective (300-level)		3
TOTAL		**15**
Total at UE		**79**

[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.

* Transfer General Education Core (TGEC) Elective
- 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