

Ivy Tech Community College and University of Evansville  
 Articulation Agreement Plan of Study  
**Associate of Science in Pre-Engineering to Bachelor of Science in Civil 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	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 190	Intro to Engineering Design	2	ENGR 101	Introduction to Engineering	2
ENGR 140	Engineering Software Tools I	3	Elective	Elective Credit	3
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 Elective Credit	4 1
ENGR 116	Geometric Modeling for Visualization	2	Elective	Elective Credit	2
ENGR 160	Engineering Software Tools II	3	Elective	Elective Credit	3
XXXX XXX	Transfer Cluster Elective*	3	*See list below for recommendations	General Education	3
Semester Transfer		17			17

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
XXXX XXX	Transfer Cluster Elective*	3	*See list below for recommendations	General Education	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
COMM 101	Fundamentals of Public Speaking	3	COMM Elective	Satisfies 3 hrs for Outcome 9	3
ENGR 279	Capstone Course	1	Elective	Elective Credit	1
MATH 264	Differential Equations	3	MATH 324	Differential Equations	3
ENGR 261	Dynamics	3	ENGR 213	Dynamics	3
XXXX XXX	Transfer Cluster Elective*	3	*See list below for recommendations	General Education	3
ENGR 200 Thermodynamics <i>or</i> ENGR 251 Electrical Circuits		3-4	Engineering Elective ME 362 Thermodynamics <i>or</i> EE 210 Electrical Circuits I circuits		3-4
Semester Transfer		16-17			16-17
<b>Total to Transfer</b>		<b>66-67</b>			<b>66-67<sup>1</sup></b>

Semester 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
CE 183	Surveying	3
ENGR 232	Mechanics of Materials	3
CE 340	Structural Analysis	3
ENGR 390	Applied Engineering Math	3
ENGR 366	Fluid Mechanics	3
CE 380	Hydraulics Lab	1
HE 100	Health & Wellness	1
<b>TOTAL</b>		<b>17</b>

Semester 2 at University of Evansville		
UE Course	UE Course Title	UE Hours
CE 331	Construction Materials	3
CE 338	Soil Mechanics	3
CE 339	Soil Mechanics Lab	1
CE 341	Design of Steel Structures	3
CE 350	Transportation Engineering	3
CE 324	Construction Management	3
<b>TOTAL</b>		<b>16</b>

Summer 1 at University of Evansville		
UE Course	UE Course Title	UE Hours
GEN ED	General Education	3
GEN ED	General Education	3
	Science Elective	3
<b>TOTAL</b>		<b>9</b>

Semester 3 at University of Evansville		
UE Course	UE Course Title	UE Hours
CE 342	Desgn of Concrete Structures	3
CE 438	Geotechnical Engineering	3
CE 469	Dsgn of Hydraulic Structures	3
CE 495	CE Design Project I	3
FYS 312	FYS for Transfer Students	3
FL 111	Foreign Language	3
<b>TOTAL</b>		<b>18</b>

Semester 4 at University of Evansville		
UE Course	UE Course Title	UE Hours
CE 497	CE Design Project II	3
CE 4XX	Technical Elective	3
CE 4XX	Technical Elective	3
CE 374	Environmental Engineering	3
FL 112	Foreign Language II	3
<b>TOTAL</b>		<b>15</b>
<b>TOTAL at UE</b>		<b>75</b>

<sup>1</sup>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. Students completing ENGL 111 and ENGL 112 at Ivy Tech will satisfy the FYS requirement at UE. All credits shown here will transfer in the same way even if the entire plan is not completed.

\* 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