

**Addendum One: Ivy Tech Community College Curriculum
Ivy Tech Community College Courses Fulfilling
Indiana Transfer General Education Core Competencies**

**** All courses are appropriate for the Science/Math Pathway programs unless otherwise noted.**

TGEC General Pathway **TGEC Science/Math Pathway**

<i>Written Communication</i>	<i>3 credits</i>	<i>3 credits</i>
ENGL 111 English Composition*		
<i>Speaking and Listening</i>	<i>3-6 credits</i>	<i>3 credits</i>
COMM 101 Fundamentals of Public Speaking* and/or COMM 102 Intro to Interpersonal Communication*		
<i>Quantitative Reasoning</i>	<i>3-9 credits</i>	<i>6-9 credits</i>
MATH 118 Concepts in Mathematics (not a TGEC Science/Math Pathway selection)*; MATH 123 Quantitative Reasoning (not a TGEC Science/Math Pathway selection); MATH 135 Finite Math*; MATH 136 College Algebra*; MATH 137 Trig with Analytic Geometry*; MATH 201 Brief Calculus*; MATH 202 Brief Calculus II*; MATH 211 Calculus I*; MATH 212 Calculus II*; MATH 221 Calculus for Technology I; MATH 222 Calculus for Technology II		
<i>Scientific Ways of Knowing</i>	<i>3-10 credits</i>	<i>6-10 credits</i>
ASTR 101 Solar System Astronomy*; BIOL 101 Introductory Biology*; BIOL 105 Biology I*; BIOL 107 Biology II*; BIOL 121 General Biology; BIOL 211 Microbiology I*; CHEM 101 Introductory Chemistry*; CHEM 105 General Chemistry I*; CHEM 111 Chemistry I; PHYS 101 Physics I*; PHYS 102 Physics II*; PHYS 220 Mechanics*; PHYS 221 Heat, Electricity, & Optics; SCIN 100 Earth Science*; SCIN 111 Physical Science*		
<i>Social and Behavioral Ways of Knowing</i>	<i>3-9 credits</i>	<i>3-6 credits</i>
ANTH 154 Cultural Anthropology; ECON 101 Economics Fundamentals*; ECON 201 Principles of Economics*; ECON 202 Principles of Microeconomics*; HIST 101 Survey of American History I*; HIST 102 Survey of American History II*; HIST 111 World Civilization I; HIST 112 World Civilization II; POLS 101 Introduction to American Government and Politics*; POLS 211 Introduction to World Politics*; PSYC 101 Introduction to Psychology*; PSYC 201 Lifespan Development*; PSYC 205 Abnormal Psychology*; PSYC 240 Human Sexuality*; SOCI 111 Introduction to Sociology*; SOCI 164 Multicultural Studies; SOCI 245 Cultural Diversity; SOCI 252 Social Problems*		
<i>Humanistic and Artistic Ways of Knowing</i>	<i>3-9 credits</i>	<i>3 credits</i>
ARTH 101 Survey of Art & Culture*; ARTH 102 Survey of Art and Culture II*; ARTH 110 Art Appreciation*; ENGL 202 Creative Writing*; ENGL 206 Introduction to Literature*; ENGL 214 Introduction to Poetry*; ENGL 220 Introduction to World Literature*; ENGL 221 Introduction to World Literature After the Renaissance*; ENGL 222 American Literature to 1865*; ENGL 223 American Literature After 1865*; FREN 201 French Level III*; FREN 202 French Level IV*; HUMA 100 Theatre Appreciation*; HUMA 118 Music Appreciation*; PHIL 101 Introduction to Philosophy*; PHIL 102 Introduction to Ethics*; PHIL 220 Philosophy of Religion*; SPAN 201 Spanish Level III*; SPAN 202 Spanish Level IV*		
Total Transfer General Education Core	30 minimum credits	
*CTL courses		

Design Technology
Associate of Science Degree
2014-2015

Semester 1

DESN 101	Intro to Design Technology	3 credits
DESN 113	2D Computer Aided Design (CAD)	3credits
DESN 220	3D Computer Aided Design (CAD)	3 credits
IVYT 1XX	Student Success Elective	1-3 credits
MATH 136	College Algebra*	3 credits
DESN 109	Transfer Cluster Elective – Construction Materials and Specifications	3 credits

Semester Total **16-18 credits**

Semester 2

ENGL 111	English Composition*	3 credits
MATH 137	Trigonometry with Analytic Geometry*	3 credits
XXX XXX	Social and Behavioral Ways of Knowing Elective*	3 credits
DESN 105	Transfer Cluster Elective – Architectural Design I	3 credits
ENGR 120	Transfer Cluster Elective – Intro to Engineering Tech	3 credits
ACCT 101	Transfer Cluster Elective – Financial Accounting	3 credits

Semester Total **18 credits**

Semester 3

COMM 101	Fundamentals of Public Speaking*	3credits
PHYS 101	Physics I*	4 credits
XXXX XXX	Quantitative Reasoning Elective*	3 credits
XXXX XXX	Humanistic and Artistic Ways of Knowing Elective*	3 credits
DESN 204	Transfer Cluster Elective – Architectural Design II	3credits

Semester Total **16 credits**

Semester 4

DESN 224	Autocad Certification	1 credits
DESN 225	Portfolio Preparation	3 credits
DESN 210	Transfer Cluster Elective - Surveying	3 credits
DESN 218	Transfer Cluster Elective - Statics and Strength of Materials	3 credits
XXXX XXX	Scientific Ways of Knowing Elective*	4 credits
XXX XXX	Social and Behavioral Ways of Knowing Elective*	3 credit

Semester Total **17 credits**

Total **67-69 credits****

*Required for Transfer General Education Core Certificate

**Students can still complete the degree in 60 hours. Additional hours needed for transfer.

Addendum Two: Course Requirements for Transfer

Purdue University BS –Building Construction Management Degree Plan

Remaining Course Requirements Identified

Ivy Tech Community College Courses

Purdue University Transfer Equivalent

Transfer General Education Curriculum: 32 credits

30 credit hours awarded toward general education requirements

Written Communication	- ENGL 111	3
Speaking and Listening	- COMM 101	3
Quantitative Reasoning	- MATH 136, MATH 137, MATH 221	9
Scientific Ways of Knowing	- PHYS 101, PHYS 102	8
Social & Behavioral Ways of Knowing	- PSYC 101, ECON 101	6
Humanistic & Artistic Ways of Knowing	- PHIL 102	3

Program Course Requirements: 14-16 credits

IVYT XXX Student Success Elective	1-3	Elective	1-3
DESN 101 Intro to Design Technology	3	Free Elective	3
DESN 113 2D Computer-Aided Design (CAD)	3		
DESN 220 3D Computer-Aided Design (CAD)	3	BCM Selective	3
DESN 224 Autocad Certification	1		
DESN 225 Portfolio Preparation	3		

Transfer Cluster Electives: 21 credits

As determined by accepting college or university

ACCT 101 Financial Accounting	3	MGMT 20010 Intro Accounting for Non-Majors	3
DESN 105 Architectural Design I	3	Technical Selective	3
DESN 109 Construction Materials and Spec.	3	BCM 17500 Construction Materials and Methods	4
DESN 204 Architectural Design II	3	CGT 16400 Graphics for CE & Construction	2
DESN 210 Surveying	3	BCM 11201 Construction Surveying Fund.	2
DESN 218 Statics and Strengths of Materials	3	BCM 28500 Construction Mechanics	4
ENGR 120 Intro to Engineering Tech	3	TECH 12000 Design Thinking in Technology	3

Total Credits Required for ITCC Degree

67 credits

Total Transfer Credits to Purdue University

58 credits

Sample Semester Sequence of Remaining Course Requirements at Purdue University:

Sample Semester Sequence

Fifth Semester (15)

BCM 10001	Intro to Construction	3
BCM 21200	Construction Layout	3
BCM 21500	Mechanical Construction	3
BCM 27500	Construction Plans and Measurement	3
BCM 21601	Electrical Construction	3

Sixth Semester (17)

BCM 25001	Construction Project and Admin. Management	2
BCM 34500	Scheduling	3
BCM 37500	Estimating	3
BCM 38000	Concrete Construction	3
OLS 27400	Applied Leadership	3
Communication Selective		3

Seventh Semester (15)

BCM 30101	Intro to Construction Comp and Financial Mgmt	2
BCM 35000	Construction Site Planning	3
BCM 38501	Soils in Construction	2
BCM 45701	Construction Safety	2
MGMT 45500	Legal Background for Business I	3
English Selective		3

Eighth Semester (14)

BCM 35501	Construction Site Supervision	2
BCM 45500	Construction Business and Contracts	3
BCM 47500	Construction Costs	3
BCM 48701	Construction Capstone	3
Business Selective		3

Total Credit Requirement at State University 120 credits

Addendum Three: Transfer Cluster Courses

The following courses or discipline categories are recommended or required to fulfill Ivy Tech Community College's Transfer Cluster requirement for students pursuing the Bachelor of Science degree in Building Construction Management from Purdue University:


Transfer Cluster Electives: 21 credits

As determined by accepting college or university


ACCT 101 Financial Accounting	3	MGMT 20010 Intro Accounting for Non-Majors	3
DESN 105 Architectural Design I	3	Technical Selective	3
DESN 109 Construction Materials and Spec.	3	BCM 17500 Construction Materials and Methods	4
DESN 204 Architectural Design II	3	CGT 16400 Graphics for CE & Construction	2
DESN 210 Surveying	3	BCM 11201 Construction Surveying Fund.	2
DESN 218 Statics and Strengths of Materials	3	BCM 28500 Construction Mechanics	4
ENGR 120 Intro to Engineering Tech	3	TECH 12000 Design Thinking in Technology	3

Memorandum

Date: April 28, 2015

To: Gary Bertoline 

CC: Bryan Hubbard

From: Jeffrey J. Evans 

Subject: Transfer Pathway Agreement

The subject agreement formalizes an educational transfer pathway between Ivy Tech Community College Statewide's Associate of Science in Design Technology and our Bachelor of Science in Building Construction Management.

I have reviewed this agreement and have also consulted with Bryan Hubbard. This agreement has been long in the making, and is a testament to the persistence of both Ivy Tech and BCM. The only question at this point is in regard to item 1c that describes the condition of maintaining a 2.0 GPA. The question is whether it should be 2.5.

At this point I see no reason why the approval of this agreement should be further delayed, and am forwarding it for your signature of approval and transfer to the Provost's office for approval.

Attachments: Transfer Pathway Agreement, 7 pages