ARTICULATION AGREEMENT

Between
Indiana University - Purdue University - Indianapolis
and
Ivy Tech Community College Statewide

For Transfer of Ivy Tech Community College's Associate of Science in Computer Science to Indiana University - Purdue University – Indianapolis Bachelor of Arts in Applied Computer Science

Statement of Purpose
The purpose of this articulation is to provide a basis for a cooperative relationship between Indiana University - Purdue University – Indianapolis (IUPUI) and Ivy Tech Community College (ITCC) to benefit students who desire to complete a bachelor's degree. The intent is for ITCC students completing the AS degree plan to move seamlessly to the BA degree plan.

Transfer Agreement
Graduates from 2012 onward of Ivy Tech Community College with an Associate of Science from any Ivy Tech campus may transfer and apply 60 - 64 credits from that completed degree to requirements for Indiana University - Purdue University – Indianapolis Bachelor of Arts in Applied Computer Science.

Addendum One: Ivy Tech Community College Curriculum
Transfer General Education Core Requirements
Associate of Science Course Requirements

Addendum Two: Course Requirements for Transfer
Details the course requirements for this transfer agreement, including remaining courses required at the accepting college or university (transfer institution) to fulfill the baccalaureate degree requirements. If listed, please include a sample semester sequence.

Addendum Three: *Transfer Cluster Courses*
Lists course requirements or recommendations from the accepting college or university. These may be specific courses or suggested/required categories.

Additionally, under the terms of this agreement:

1. Ivy Tech students are eligible for admission with junior standing to Indiana University - Purdue University – Indianapolis provided:
    a. The student has submitted a complete application for admission Indiana University - Purdue University – Indianapolis.

b. A course grade of "C" or better must be earned to be accepted for transfer.
c. The student has a 2.0 or higher grade point average on a 4 point scale.

2. As ITCC graduates complete the 60-62 credit hour requirements for the award of the BS degree, they must meet the graduation requirements as approved by the Indiana University - Purdue University – Indianapolis at the time of the student's admission to Indiana University - Purdue University – Indianapolis.

3. Written notice of intention to terminate, modify, or withdraw from this Articulation Agreement will be submitted by the academic head of either institution at least one academic semester prior to the proposed date of termination/withdrawal. Should a decision be made to modify or dissolve this agreement, students who are already attending Indiana University - Purdue University – Indianapolis at the time will be permitted to continue as long as their academic performance remains in good standing.

4. Recognizing that changes in curricula and course content are inevitable, each institution agrees to discuss with the other institution all curriculum changes affecting this agreement before the changes are implemented.

5. A review of this agreement and the resulting programs will take place every three years by the representatives from both institutions.

Agreed to March 30th, 2012.

Ivy Tech Community College

Mary E. Ostrye
Senior Vice President & Provost

University

Simon J. Rhodes
Dean, School of Science

Robert C. Deadman
Assistant Vice President, Business,
Computing Technology, and Logistics

John N. Williams
Interim Executive Vice Chancellor &
Dean of the Faculties

Addendum One: Ivy Tech Community College Curriculum

Transfer General Education Core Requirements

Composition ***3 credits***
ENGL 111 English Composition*

Communication ***3 credits***
COMM 101 Fundamentals of Public Speaking*

Mathematics ***3-4 credits***
MATH 135 Finite Math*; MATH 136 College Algebra*; MATH 137 Trig with Analytic Geometry*; MATH 201 Brief Calculus*; MATH 211 Calculus I*; MATH 118 Concepts in Mathematics*

Life/Physical Science ***6-8 credits***
APHY 101 Anatomy & Physiology I; APHY 102 Anatomy & Physiology II; ASTR 101 Solar System Astronomy*; BIOL 100 Human Biology*; BIOL 101 Introductory Biology*; BIOL 105 Biology I*; BIOL 107 Biology II*; BIOL 211 Microbiology I*; CHEM 101 Introductory Chemistry*; CHEM 105 General Chemistry I*; CHEM 106 General Chemistry II*; CHEM 111 Chemistry I; CHEM 113 Introductory Organic and Biochemistry*; PHYS 101 Physics I*; PHYS 102 Physics II*; PHYS 220 Mechanics*; SCIN 100 Earth Science*; SCIN 111 Physical Science*

Social/Behavioral Sciences ***6 credits***
ANTH 154 Cultural Anthropology; ECON 101 Economics Fundamentals*; ECON 201 Principles of Economics*; ECON 202 Principles of Microeconomics*; 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 252 Social Problems*

Humanities ***6 credits***
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*;; HIST 101 Survey of American History I*; HIST 102 Survey of American History II*; HIST 111 World Civilization I; HIST 112 World Civilization II; HUMA 100 Theatre Appreciation*; HUMA 118 Music Appreciation*; PHIL 101 Introduction to Philosophy*; PHIL 102 Introduction to Ethics*; PHIL 220 Philosophy of Religion*

Multicultural Awareness ***3-4 credits***
HIST 111 World Civilization I; HIST 112 World Civilization II; SOCI 164 Multicultural Studies; SOCI 245 Cultural Diversity; ANTH 154 Cultural Anthropology; FREN 201 French Level 3*; FREN 202 French Level 4*; SPAN 201 Spanish Level 3*; SPAN 202 Spanish Level 4*

Total Transfer Core **30-34credits**

***CTL courses**

SAMPLE

Computer Science Program
Associate of Science
2012-2013

The following suggested sequence includes all course requirements for this degree. You must consult with an academic advisor to determine which Transfer Cluster Electives should be chosen to receive the most credit at the receiving college or university.

Semester 1

CSCI 101	Computer Science I	3 Credits
ENGL 111	English Composition	3 Credits
IVYT 1XX	Student Success elective	1-3 Credits
MATH XXX	Mathematics Elective* – Note: MATH 211 is required	3-4 Credits
XXXX XXX	Life/Physical Sciences Elective	3-4 Credits
XXXX XXX	Social/ Behavioral Sciences	3 Credits
	Semester Total	**17-20 Credits**

Semester 2

CSCI 102	Computer Science II	3 Credits
COMM 101	Fundamentals of Public Speaking	3 Credits
XXXX XXX	Life/Physical Sciences Elective	3-4 Credits
XXXX XXX	Social/ Behavioral Sciences	3 Credits
CSCI XXX	CSCI Statewide Elective	3 Credits
	Semester Total	**15-16 Credits**

Semester 3

CSCI 105	Discrete Mathematics for Computer Science	3 Credits
CSCI 202	Computer Science III	3 Credits
XXXX XXX	Multicultural Elective	3-4 Credits
CSCI XXX	CSCI Statewide Elective	3 Credits
CSCI XXX	CSCI Statewide Elective	3 Credits
	Semester Total	**15-16 Credits**

Semester 4

CSCI 210	Database Systems	3 Credits
CSCI XXX	CSCI Statewide Elective	3 Credits
CSCI XXX	CSCI Statewide Elective	3 Credits
XXXX XXX	Humanities Elective	3 Credits
XXXX XXX	Humanities Elective	3 Credits
CSCI 279	Capstone course	1 Credit
	Semester Total	**16 Credits**

***Required for Transfer General Education Core Certificate; MATH 118, Concepts in Mathematics and MATH 135, Finite Mathematics are not appropriate selections to satisfy the Mathematics requirement.**

Addendum Two: Course Requirements for Transfer

COLLEGEWIDE CURRICULUM OF RECORD
SCHOOL OF BUSINESS
COMPUTER SCIENCE PROGRAM

ASSOCIATE OF SCIENCE

Indiana University - Purdue University - Indianapolis

TRANSFER DEGREE

2012-2013

GENERAL EDUCATION TRANSFER CORE - 30-34 CREDITS

Composition and Communication

COMM	101	Fundamentals of Public Speaking	3
ENGL	111	English Composition	3

Mathematics: Choose one of the following courses - 3-4 Credits

MATH	118	Concepts in Mathematics	3
MATH	135	Finite Math	3
MATH	136	College Algebra	3
MATH	137	Trigonometry with Analytic Geometry	3
MATH	201	Brief Calculus I	3
MATH	211	Calculus I	4

Life/Physical Sciences: Choose two of the following courses - 6-8 Credits

APHY	101	Anatomy and Physiology I	3
APHY	102	Anatomy and Physiology II	3
ASTR	101	Solar System Astronomy	3
BIOL	100	Human Biology	3
BIOL	101	Introductory Biology	3
BIOL	105	Biology I	5
BIOL	107	Biology II	5
BIOL	211	Microbiology I	3
CHEM	101	Introductory Chemistry I	3
CHEM	105	General Chemistry I	5
CHEM	106	General Chemistry II	5
CHEM	111	Chemistry I	4
CHEM	113	Introductory Organic and Biochemistry	3
PHYS	101	Physics I	4
PHYS	102	Physics II	4
PHYS	220	Mechanics	5

SCIN	100	Earth Science	4
SCIN	111	Physical Science	3

Social and Behavioral Sciences: Choose two of the following courses - 6 Credits

ANTH	154	Cultural Anthropology	3
ECON	101	Economics Fundamentals	3
ECON	201	Principles of Macroeconomics	3
ECON	202	Principles of Microeconomics	3
POLS	101	Introduction to American Government and Politics	3
POLS	211	Introduction to World Politics	3
PSYC	101	Introduction to Psychology	3
PSYC	201	Lifespan Development	3
PSYC	205	Abnormal Psychology	3
PSYC	240	Human Sexuality	3
SOCI	111	Introduction to Sociology	3
SOCI	252	Social Problems	3

Humanities: Choose two of the following courses - 6 Credits

ARTH	101	Survey of Art and Culture I	3
ARTH	102	Survey of Art and Culture II	3
ARTH	110	Art Appreciation	3
ENGL	202	Creative Writing	3
ENGL	206	Introduction to Literature	3
ENGL	214	Introduction to Poetry	3
ENGL	220	Introduction to World Literature Through the Renaissance	3
ENGL	221	Introduction to World Literature After the Renaissance	3
ENGL	222	American Literature To 1865	3
ENGL	223	American Literature After 1865	3
HIST	101	Survey of American History I	3
HIST	102	Survey of American History II	3
HIST	111	World Civilization I	3
HIST	112	World Civilization II	3
HUMA	100	Theatre Appreciation	3
HUMA	118	Music Appreciation	3
PHIL	101	Introduction to Philosophy	3
PHIL	102	Introduction to Ethics	3
PHIL	220	Philosophy of Religion	3

Multicultural Awareness: Choose one of the following courses - 3-4 Credits

HIST	111	World Civilization I	3
HIST	112	World Civilization II	3

SOCI	164	Multicultural Studies		3
SOCI	245	Cultural Diversity		3
ANTH	154	Cultural Anthropology		3
FREN	201	French Level III		4
FREN	202	French Level IV		4
SPAN	201	Spanish Level III		4
SPAN	202	Spanish Level IV		4
			TOTAL	**30-34**

OTHER INSTITUTIONAL REQUIREMENTS - 2-4 CREDITS

IVYT	1XX	Student Success Course		1-3
CSCI	279	Capstone Course		1
			TOTAL	**2-4**

PROGRAM SPECIFIC CORE - 15 CREDITS

CSCI	101	Computer Science I		3
CSCI	102	Computer Science II		3
CSCI	105	Discrete Mathematics for Computer Science		3
CSCI	202	Computer Science III		3
CSCI	210	Database Systems		3
			TOTAL	**15**

TRANSFER CLUSTER - 9-15 CREDITS

ANTH	154	Cultural Anthropology		3
CINS	157	Web Site Development		3
HIST	112	World Civilization II		3
MATH	137	Trigonometry with Analytic Geometry		3

Choose one of the following:

ASTR	101	Solar System Astronomy		3
SCIN	100	Earth Science		4
			TOTAL	**9-15**

TOTAL CREDITS **60-62**

^ Capstone Course

Transfer Chart

PROGRAM SPECIFIC CORE - 15 CREDITS

Ivy Tech Community College				Indiana University – Purdue University Indianapolis			
CSCI	101	Computer Science I	3	CSCI	230	Computing I	4
CSCI	102	Computer Science II	3	CSCI	240	Computing II	4
CSCI	105	Discrete Mathematics for Computer Science	3				
CSCI	202	Computer Science III	3	CSCI	XXX	N–Series Elective	3
CSCI	210	Database Systems	3	CSCI	N211	Introduction to Databases	3

TRANSFER CLUSTER - 9-15 CREDITS

Ivy Tech Community College				Indiana University – Purdue University Indianapolis			
ANTH	154	Cultural Anthropology	3	ANTH	A104	Cultural Anthropology	3
CINS	157	Web Site Development	3	CSCI	N241	Fundamentals Web Development	3
HIST	112	World Civilization II	3	HIST	114	History of Western Civilization 2	3
MATH	137	Trigonometry with Analytic Geometry	3	MATH	154	Algebra & Trigonometry II	3

Choose one of the following:

ASTR	101	Solar System Astronomy	3	AST	A100	The Solar System	3
SCIN	100	Earth Science	4	GEOL	G110	Physical Geology	3

Sample Semester Sequence

Fifth Semester (15)			
STAT	30100	Elem. Stat. Methods	3
CSCI	34000	Discrete Computational Structures	3
TCM	32000	Technical Writing for Science & Industry	3
CSCI	N361	Fund. Software Project Management	3
or			
INFO	I400	Project Management	
INFO	I300	Human-Computer Interaction	3
Sixth Semester (15)			
Elective Foreign Language			3
CSCI	36200	Data Structures	3
CSCI	NXXX	Applied CSCI Elective	3
CSCI	NXXX	Applied CSCI Elective	3
Elective Physical Science			3
Seventh Semester (15)			
Elective Foreign Language			3
CSCI 30000/40000 Level Elective			3
CSCI 30000/40000 Level Elective			3
CSCI 30000/40000 Level Elective			3
Elective Physical Science			3
Eighth Semester (16)			
CSCI	49500	Explorations in Applied Computing	3
CSCI	NXXX	Applied CSCI Elective	3
CSCI 30000/40000 Level Elective			3
CSCI 30000/40000 Level Elective			3
Elective Foreign Language			4

Total Credit Requirement at Indiana University - Purdue University - Indianapolis
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 pursing the Bachelor of Science degree from Indiana University - Purdue University - Indianapolis:

TRANSFER CLUSTER - 9-15 CREDITS

ANTH	154	Cultural Anthropology	3
CINS	157	Web Site Development	3
HIST	112	World Civilization II	3
MATH	137	Trigonometry with Analytic Geometry	3

Choose one of the following:

ASTR	101	Solar System Astronomy	3
SCIN	100	Earth Science	4
		TOTAL	**9-15**