

TRANSFER AGREEMENT

Between
Marian University
and
Ivy Tech Community College Statewide

For Transfer of Ivy Tech Community College's Associate of Science in Computer Science to Marian University
Bachelor of Science in Computer Science

Statement of Purpose

The purpose of this transfer agreement is to provide a basis for a cooperative relationship between Marian University 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 program to move seamlessly to the BS degree program.

Transfer Agreement

Ivy Tech Community College graduates from the appended Associate of Science degree program of study in Computer Science, from any Ivy Tech campus, may transfer and apply a minimum of 60 credit hours from that completed degree to the requirements for Marian University's Bachelor of Science degrees in 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.

Additionally, under the terms of this agreement:

1. Ivy Tech students are eligible for admission with junior standing to Marian University provided:
 - a. The student has submitted a complete application for admission to Marian University.
 - 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 credit hour requirements for the award of the BS degrees in Computer Science, they must meet the graduation requirements as approved by Marian University at the time of the student's admission to the appropriate degree program.
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 Marian University 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.

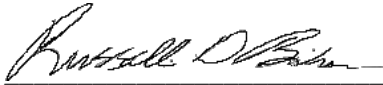
5. This agreement becomes effective when all signatures are affixed and remains in effect for two years from the date below. After two years, the agreement may be renewed with or without modification by mutual agreement of both Ivy Tech Community College and Marian University.

Agreed to February 19, 2019 (date)

Ivy Tech Community College



Kara N. Monroe, Ph.D.
Provost and Senior Vice President
for Academic Affairs



Russell D. Baker, Ed. D.
Vice President for Academic Affairs

Marian University



Alan Silva (Feb 25, 2019)

Alan J. Silva, Ph.D.
Executive Vice President and Provost



Saib Othman (Feb 25, 2019)

Saib Othman, Ph.D.
Associate Provost of Academic Affairs

Addendum One: Ivy Tech Community College Curriculum

**Ivy Tech Community College Courses Fulfilling
Indiana Transfer General Education Core Competencies**

**** All courses are appropriate for STEM programs unless otherwise noted.**

Written Communication ***3 credits*** ***STEM: 3 credits***
ENGL 111 English Composition*

Speaking and Listening ***3-6 credits*** ***STEM: 3 credits***
COMM 101 Fundamentals of Public Speaking* and/or COMM 102 Intro to Interpersonal Communication*

Quantitative Reasoning ***3-9 credits*** ***STEM: 6-9 credits***
MATH 123 Quantitative Reasoning (not a STEM 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

Scientific Ways of Knowing ***3-10 credits*** ***STEM: 6-10 credits***
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*

Social and Behavioral Ways of Knowing ***3-9 credits*** ***STEM: 3-6 credits***
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*

Humanistic and Artistic Ways of Knowing ***3-9 credits*** ***STEM: 3 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*; FREN 101 French Level I*; FREN 102 French Level II*; FREN 201 French Level III*; FREN 202 French Level IV*; GERM 101, German Level I; GERM 102 German Level II, HUMA 100 Theatre Appreciation*; HUMA 118 Music Appreciation*; PHIL 101 Introduction to Philosophy*; PHIL 102 Introduction to Ethics*; PHIL 220 Philosophy of Religion*; SPAN 101 Spanish Level I*; SPAN 102 Spanish Level II*; SPAN 201 Spanish Level III*; SPAN 202 Spanish Level IV*

Total Transfer General Education Core **30 minimum credits**
***CTL courses**

**COMPUTER SCIENCE PROGRAM
ASSOCIATE OF SCIENCE DEGREE
2018-2019**

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

*ENGL 111	English Composition	3 credits
ITSP 135	Hardware/Software Support	4 credits
IVYT 115	Student Success in Computing and Informatics	1 credit
SDEV 120	Computer Logic	3 credits
*XXXX XXX	Humanistic and Artistic Ways of Knowing Elective	3 credits
Semester Total		14 credits

Semester 2

*COMM 101	Fundamentals of Public Speaking	3 credits
CSCI 101	Computer Science I	3 credits
CSCI 105	Discrete Logic for Computers	3 credits
*MATH 211	Calculus I	4 credits
*XXXX XXX	Social and Behavioral Ways of Knowing Elective	3 credits
Semester Total		16 credits

Semester 3

*MATH 212	Calculus II	4 credits
CSCI 210	Database Systems	3 credits
CSCI 201	Computer Science II	3 credits
Choose 5 credits from the following:		5 credits
*BIOL 105	Biology I	
*CHEM 105	General Chemistry I	
*PHYS 220	Mechanics	
Semester Total		15 credits

Semester 4

^CSCI 279	Computer Science Capstone	1 credits
SDEV 265	Systems/Software Analysis and Projects	3 credits
CSCI 202	Data Structures	3 credits
Select 3 credits from the following:		3 credits
SDEV 200	Software Development using Java	
SDEV 210	Software Development using Visual Basic in the .NET Framework	
SDEV 220	Software Development using Python	
SDEV 240	Software Development using C#	
Select 5 credits from the following:		5 credits
*BIOL 107	Biology II	
*CHEM 106	General Chemistry II	
*PHYS 221	Heat, Electricity, and Optics	
Semester Total		15 credits

Total 60 credits

*Required for Transfer General Education Certificate
^Capstone Course

Ivy Tech Community College Courses

Marian University Transfer Equivalent

Transfer General Education Curriculum: 30 credits

30 credit hours awarded toward
general education requirements

Written Communication	3
Speaking and Listening	3-6
Quantitative Reasoning	3-9
Scientific Ways of Knowing	3-10
Social & Behavioral Ways of Knowing	3-9
Humanistic and Artistic Ways of Knowing	3-9

Other Institutional Requirements: 2 credits

2 elective credit hours awarded
toward graduation requirement

IVYT 111	Student Success in University Transfer	1
LIBA 279	Liberal Arts Capstone	1

Program Course Requirements: 19 credits

19 credit hours awarded toward
degree and graduation
requirement

ENGL 112*	Exposition and Persuasion	3
PHIL 102	Introduction to Ethics	3
PSYC 201	Lifespan Development	3
PSYC 211	Research Methods in Psychology	3
PSYC 253	Social Psychology	3

ENG 112	Writing & Community
PHL 215	Personal and Professional Ethics
PSY 220	Human Growth and Development
PSY 250	Research Methods
PSY 325	Social Psychology

Select one of the following:

FREN 102	French Level II	4
SPAN 102	Spanish Level II	4

FRE 102	Intro to French II
SPA 102	Intro to Spanish II

Statewide Elective: 9 credits

9 credit hours awarded toward
graduation requirement

STGEC Electives	9
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Total Credits Required for ITCC Degree

60 credits

Total Transfer Credits to Marian University

60 credits

- Please note that Ivy Tech course ENGL 112, Exposition and Persuasion, will be changing to ENGL 215, Rhetoric and Argument, effective Fall Semester 2019. The course content and learning objectives are not changing significantly and the course will remain listed under the course name of English Composition II in the CTL.

Addendum Two: Course Requirements for Transfer **Remaining Course Requirements Identified**

Sample Semester Sequence of Remaining Course Requirements at Marian University

Sample Semester Sequence

Fifth Semester (18)

CST 340	Database Systems	3 credits
MAT 230	Calculus 1	4 credits
	Minor/cluster course	3 credits
	Minor/cluster course	3 credits
MAT 322	Statistical Inference 1	3 credits

Sixth Semester (17)

CST 318	Artificial Intelligence	3 credits
CST 250	Algorithms	3 credits
	Minor/cluster course	3 credits
	Minor/cluster course	3 credits
MAT 231	Calculus 2	4 credits
MAT 250	Logic and Proof	3 credits

Seventh Semester (15-17)

CST 315	Computer Graphics	3 credits
MAT 310	Linear Algebra	3 credits
	Minor/cluster course	3 credits
	Elective	3 credits
	Elective	3 credits
CST 490	Senior Seminar	2 credits
CST 491	Senior Capstone	1 credit

Eighth Semester (15-17)

CST 420	Operating Systems	3 credits
CST 371	Software Engineering	3 credits
	Minor/cluster course	3 credits
	Elective	3 credits
	Elective	3 credits

Total Credit Requirement at Marian University

128 credits