

<p style="text-align: center;"><b>MINNESOTA STATE COLLEGES AND UNIVERSITIES* ARTICULATION AGREEMENT BETWEEN</b></p>	<p style="text-align: center;"><b>INVER HILLS COMMUNITY COLLEGE (IHCC) AND SAINT MARY'S UNIVERSITY OF MINNESOTA SCHOOLS OF GRADUATE AND PROFESSIONAL PROGRAMS</b></p>
<p><b>*The Board of Trustees of the Minnesota State Colleges and Universities is authorized by Minnesota Statutes, Chapter 136F to enter into Agreements and has delegated this authority to colleges and universities.</b></p>	

This Agreement is entered into between **INVER HILLS COMMUNITY COLLEGE (IHCC)** (hereinafter sending institution), and **SAINT MARY'S UNIVERSITY OF MINNESOTA SCHOOLS OF GRADUATE AND PROFESSIONAL PROGRAMS (SMUMN)** (hereinafter receiving institution). This Agreement and any amendments and supplements, shall be interpreted pursuant to the laws of the State of Minnesota.

The sending institution has established an **A.S. Computer Science Transfer Pathway** (hereinafter sending program), and the receiving institution has established a **B. S. in Business Intelligence and Data Analytics** (hereinafter receiving program), and will facilitate credit transfer and provide a smooth transition from one related program to another. It is mutually agreed:

**Admission and Graduation Requirements**

- A. The receiving institution's admission and program admission requirements apply to both direct entry students and to students who transfer under this agreement.
- B. Students must fulfill the graduation requirements at both institutions.
- C. Students must complete the entire sending program and meet the receiving institution's admission requirements for the agreement to apply, including grade requirements for courses and an overall GPA requirement.

**Transfer of Credits**

- A. The receiving institution will accept 60 credits from the sending program. A total of 62 credits remain to complete the receiving program (42 of these remaining credits need to be completed at Saint Mary's University).
- B. Courses will transfer as described in the attached Program Articulation Table. For system institutions, once the courses are encoded, they will transfer as described in the "*Transferology*" audit.

**Implementation and Review**

- A. The Chief Academic Officers or designees of the parties to this agreement will implement the terms of this agreement, including identifying and incorporating any changes into subsequent agreements, assuring compliance with system policy, procedure and guidelines, and conducting a periodic review of this agreement.
- B. This Articulation Agreement is effective on **11/01/2018** and shall remain in effect until the end date of **11/01/2023** or for five years, whichever occurs first, unless terminated or amended by either party with 90 days prior written notice.
- C. The college and university shall work with students to resolve the transfer of courses should changes to either program occur while the agreement is in effect.
- D. This Articulation Agreement will be reviewed by both parties beginning **05/01/2023** (within six months of the end date).
- E. When a student notifies the receiving institution of their intent to follow this agreement, the receiving institution will encode course waivers and substitutions.

## PROGRAM ARTICULATION TABLE

Check if the sending program \_\_\_\_ or receiving program \_\_\_\_ is new.

	College (sending)	University (receiving)
Institution	Inver Hills Community College	Saint Mary's University of Minnesota
Program name	Computer Science Transfer Pathway	Business Intelligence and Data Analytics
Award Type (e.g., AS)	A.S.	B.S.
Credit Length	60	122
CIP code (6-digit)	11.0101	52.1301
Describe program admission requirements (if any)		An official transcript issued to Saint Mary's University with a minimum of 30 semester credits including a basic English Composition course.

### Instructions

- List all required courses in both academic programs.
- MnTC goal areas transfer to the receiving institution according to the goal areas designated by the sending institution.
- Do not indicate a goal area for general education courses that are not part of the MnTC.
- For restricted or unrestricted electives, list number of credits.
- Credits applied: the receiving institution course credit amount may be more or less than the sending institution credit amount. Enter the number of credits that the receiving institution will apply toward degree completion.
- Show equivalent university-college courses on the same row to ensure accurate DARS encoding.
- Equiv/Sub/Wav column: If a course is to be encoded as equivalent, enter Equiv. If a course is to be accepted by the university as a "substitution" only for the purposes of this agreement, enter Sub. If a course requirement is waived by the receiving institution, enter Wav. If a course is to be accepted by the university as a MnTC goal area, restricted elective or unrestricted elective, leave the cell blank.

(To add rows, place cursor outside of the end of a row and press enter.)

### SECTION A - Minnesota Transfer Curriculum-General Education

College (sending)			University (receiving)			
course prefix, number and name	Goal(s) <sup>1</sup>	Credits	course prefix, number and name	Goal(s) <sup>1</sup>	Credits Applied	Equiv Sub Wav
Minnesota Transfer Curriculum-General Education						
ENG1108-Writing and Research Skills	1	4	Written Communications		4	Sub
ENG1111-Research Writing in the Discipline OR ENG1114-The Research Paper OR ENG1130-Writing and Research for the Professions	1	2-3	Written Communications		2-3	Sub
COMM1100-Interpersonal Communications OR COMM1110-Public Speaking OR COM2230-Small Group Communications	1	3	Oral Communications		3	Sub

<sup>1</sup> MnTC goal areas transfer to the receiving MnSCU college/university according to the goal areas designated by the sending college/university

Natural Science (recommend PHYS1081-Calculus Based Physics I)	3	3	Science		3	Sub
MATH1133-Calculus I	4	5	Mathematics		5	Sub
History, Social Science, Behavioral Science	5	3	Historical, Social, and Behavioral Science		3	Sub
Humanities, Fine Arts, Literature	6	3	Humanities and Fine Arts		3	Sub
MnTC Goals 7-10 (any course)	7-10	3	(Depends on the goal area)		3	Sub
Liberal Arts electives (MnTC courses only)	1-10	9-12	(Depends on the goal area)		9-12	
<b>MnTC/General Education Total</b>		<b>38</b>				

**Special Notes, if any:** Saint Mary's University will transfer college-level general education courses completed at MnSCU community and technical colleges (grades of "C" or better).

### SECTION B - Major, Emphasis, Restricted and Unrestricted Electives or Other

Major, Emphasis, Restricted, Unrestricted Electives or Other Courses					
ITC 2000 - PC Hardware and Software (A+)	3	Unrestricted electives	3		
CS 1110 - Computer Science I with Java	3	Unrestricted electives	3		
CS 1119 - Computer Programming in C++	4	Unrestricted electives	4		
CS 2200 - Computer Architecture	4	Unrestricted electives	4		
CS 2300 Algorithms and Data Structures	4	Unrestricted electives	4		
CS 2350 - Discrete Structures	4	Unrestricted electives	4		
Unrestricted elective credits (if none enter 0)	0	College's unrestricted elective credits accepted in transfer (if none enter 0)	0		
<b>Major, Emphasis, Unrestricted Electives Total</b>		<b>22</b>	<b>Total College Credits Applied (sum of sections A and B)</b>		<b>60</b>

### SECTION C - Remaining University (receiving) Requirements

	course prefix, number and name	Credits
<b>Required Communications Courses</b>		
	COM309-Professional Writing	3
	COM310-Oral Communications	3
<b>Required BIDA Courses</b>		
	BI343-Business Computer Applications	3
	BI351 Information Systems for Business Intelligence	3
	BI352 Data Analysis and Business Modeling	3
	BI354 Data Mining for Decision Making	3
	BI420 Business Analytics	3
<b>Required Business Courses</b>		
	BU403-Applied Business Statistics	3
	BU407-Financial Management	3
	MG305-Managerial Ethics	3
	MG311-Economics for Managers	3
	MG410-Applied Leadership and Management	3
	MK300-Principles of Marketing	3
<b>Required Capstone Course</b>		
	BU490-Strategic Management Capstone	3
<b>Required MAJOR Electives (See Catalog for options)</b>		
		0
<b>TOTAL CORE PROGRAM COURSE CREDITS</b>		<b>42</b>
<b>**Unrestricted elective credits:</b> Students will meet with a Saint Mary's advisor to determine the elective courses needed for the program.		<b>20</b>
<b>**Total Remaining Credits</b>		<b>62</b>

**Special Notes, if any:**

### SECTION D - Summary of Total Program Credits

College (sending) Credits		University (receiving) Requirements	
MnTC/General Education	38		
Major, Emphasis, Unrestricted Electives or Other	22		
<b>Total College Credits</b>		<b>60</b>	<b>Total College Credits Applied 60</b>

	<b>**Remaining credit to be taken at the university (receiving institution)</b>	<b>62</b>
	<b>Total Program Credits</b>	<b>122</b>

**Special Notes:** \*\*A minimum of 30 semester credits transferrable to Saint Mary's University (to include an English composition course) are required for admission to the BIDA program. Saint Mary's University (SMU) requires that students complete a minimum of 42 semester credits at SMU (SMU's minimum residency requirement for the program), and 122 credits total, to earn the Bachelor of Science in BIDA degree. The remaining 80 credits can be completed at Inver Hills Community College. Credit for prior learning, military training, and standardized exams such as CLEP and DSST can also count toward fulfilling the 80 non-SMU credit requirement. Courses completed at colleges and universities other than Inver Hills Community College are also considered for credit transfer into SMU.

College	Name	Signature	Date
Chief Academic Officer	Tia Robinson	Tia Robinson	8/10/18
Provost			
Title			
University	Name	Signature	Date
Chief Academic Officer			
Vice President of the Schools of Graduate and Professional Programs	Robert Smith, FSC, Ph.D.	Bro. Robert Smith	11-26-18
Title			
DARS Encoder			

Date when equivalencies were verified/encoded in DARS by the receiving MnSCU institution.