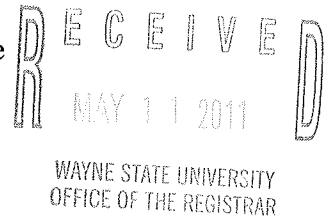


Articulation Agreement
Between
Wayne State University & Macomb Community College
Linking MCC's
Information Technology Department
With Wayne State's
Computer Science Department



This agreement made this 29th day of April, 2011 is by and between Wayne State University (*WSU*) and Macomb Community College (*MCC*).

Wayne State University and Macomb Community College wish and intend by this Agreement to set forth the terms and conditions of engaging in an educational program, to facilitate the transfer of students who earn an Associate of Applied Science degree or are registered from *MCC* in the Information Technology - Programming program to complete a BSCS or BA in Computer Science or Information Systems Technology from Wayne State University, Department of Computer Science.

Article I
Agreement on Program Integrity

WSU and *MCC* will maintain the integrity of their separate programs and enter into this agreement as equal and cooperating partner institutions.

Article II
Agreement on Principle

This agreement between *WSU* and *MCC* is intended to provide a smooth and seamless curriculum transition for Macomb students that transfer to Wayne State to earn a bachelor degree from the Department of Computer Science. The agreement is designed for students who follow a prescribed plan of study leading to an Associate of Applied Science Degree. The credits transferred from the Associate of Applied Science degree program, as outlined in the appendices to this document, will be included in the total credit hours required for the *WSU* baccalaureate degree. All other standard admission, curriculum, and graduation requirements of *MCC* and *WSU* must also be met.

Article III
Agreement of Program Articulation

MCC and *WSU* agree that any student, who has earned the aforementioned Associate of Applied Science in Information Technology - Programming, may transfer the credits from their program to the College of Liberal Arts and Science at *WSU* toward the BSCS or BA in Computer Science or Information Systems Technology, as outlined in the attached appendices.

This agreement specifically allows the transfer of up to eighty-nine (89) credits (depending upon bachelor degree program selected) from *MCC* to *WSU*. This is beyond the currently

stipulated sixty-four (64) credits, and is contingent upon the approval of the WSU Board of Governors. The purpose of allowing MCC students to transfer additional credits is to enable them to complete the entire BA/BS program at the MCC South Campus.

The Bachelor's degree requirements for students who follow this articulation agreement are outlined in Attachment A.

**Article IV
Agreement on Student Support**

WSU and *MCC* agree to track the progress and success of articulation participants. Responsibility for this tracking rests with the Department of Computer Science at Wayne State. A mechanism will be developed to track and report on *MCC* students' use of this Articulation.

**Article V
Agreement on Communication**

MCC and *WSU* agree to cooperate in communication with each other and with common and respective publics concerning the established relationships between the two institutions. Communication will include the development of various kinds of publications to inform those who might benefit from the opportunities provided by this articulation agreement. The appropriate faculty and staff in both institutions will share the information in this agreement with interested and qualified students. Both institutions will provide academic counseling to students and prospective students. Joint efforts in marketing the program and student recruiting will be pursued.

WSU and *MCC* further agree to communicate annually concerning curriculum changes that may affect the agreed upon program relationship. Responsibility for communication related to this agreement will rest with the individuals appointed under Article VI.

**Article VI
Agreement and Review Body Procedures**

Each institution will appoint one or more faculty administrators to act as agents for the implementation of this agreement, and communicate changes to respective faculty members, advisors, and others to whom the information is pertinent. Responsibility for the oversight of this agreement rests with the Office of Articulation & Transfer at *MCC* and with the Chair of the Computer Science Department at *WSU*.

Article VII
Regarding Independent Relationship

In the performance of their respective duties and obligations under this Agreement, each party is an independent contractor and neither is the agent, employee, or servant of the other, and each is responsible only for its own conduct. Each institution is solely responsible for the development and design of its own curriculum. Changes on the part of either party will/may necessitate review of this document.

Article VIII
Agreement not to Discriminate

Each party covenants and agrees that it does not discriminate on the basis of race, creed, color, age, sex, or national origin and it complies with the Americans with Disabilities Act of 1990, and that it does not discriminate on the basis of “physical or mental handicap” except where there exists a bona fide academic qualification.

Each party shall be separately responsible for compliance with all federal and state laws, including nondiscrimination laws and all applicable sections of the Michigan Handicapper’s Civil Rights Act. Illegal discrimination by either party may be considered a material breach of this Agreement.

Article IX
Entire Agreement

This Agreement constitutes the entire agreement between the parties, and all prior discussions, agreements, and understandings, whether verbal or in writing, are hereby merged into this Agreement.

Article X
Amendment/Modifications/or Terminations Provision

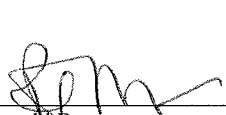
MCC and *WSU* agree to the terms of this Agreement. No amendment or modification to this Agreement, including any modification or amendment of this paragraph, shall be effective unless the same is in writing and signed by all parties or their Successors.

This cooperative arrangement will be in effect immediately upon signature and will be subject to review for continuance after a period of three (3) years. Renewal will be for three years unless either party notifies the other in writing by December 31 of the year preceding the last year of the agreement of their intention to renegotiate or of non-renewal of this agreement.


This Agreement is effective immediately upon approval by *WSU* and *MCC* and shall remain in effect unless terminated by either party providing six months advance written notice. In the event

that this Agreement must be terminated, all students currently enrolled in the program shall be allowed to complete the program as described.


Signatories for Wayne State University:

 2/4/11

Ronald Brown
Provost & Senior V.P. for Academic Affairs



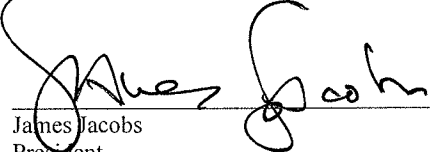
Robert Thomas
Dean, College of Liberal Arts and Science




Monica Brockmeyer
Chair, Computer Science Department

Date: _____

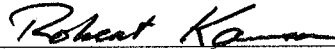
Signatories for Macomb Community College:



James Jacobs
President



Dave Corba
Dean
Business & Information Technology



Robert Kansa
Associate Dean
Information Technology

Date: 4/29/11

FORM APPROVED
RG
04 FEB 2011
OFFICE OF THE
GENERAL COUNSEL

Attachment A

MCC AAS: Information Technology – Programming to WSU BA in Computer Science

Macomb Coursework—Before Transfer:

General Education & Competency Requirements 33 - 37 Hrs

Basic Composition: ENGL 1180 – Communications 1 or ENGL 1210 – Composition 1 **3-4**

Intermediate Composition: ENGL 1190 – Communications 2 or ENGL – Composition 2 **3-4**

Mathematics: MATH 1460 – Pre-Calculus **4**

Social Science (Select 2): GEOG 2000, ANTH 1000, ECON 1160, ECON 1170, SOCY 1010, SOCY 1100 **6-8**

Humanities: HUMN 1750 **3**

Foreign Language: FREN 2360, GRMN 2360, ITAL 2360, SPAN 2360 **4**

Life Science: BIOL 1000*, 1400, 2400*; ENV5 1050; NATS 1200*, 1310*; PSYC 1010 **4**

Physical Science: ASTR 1030 + 1040, CHEM 1050*, CHEM 1170*, GEOL 1140*, NATS 1210*, PHSA 1050*, PHYS 1180*, PHYS 2220* **4**

PHED Any course **2**

*Course meets laboratory science requirement. One Life Science or Physical Science is required to be a laboratory course.

Core Requirements 49-51 Hrs

MATH 1760: Analytical Geometry & Calculus 1 **4**

BCOM 2050: Business Communications **4**

ITCS 1010: Computer & Information Processing Principles **4**

Or ITCS 2335: Foundations of Business Information Technology **4**

ITCS 1130: Introduction to Program Design & Development **3**

ITWP 1000: Introduction to Web Programming **3**

ITCS 1230: Visual Basic Programming **4**

Or ITCS 2590: Java 1 **4**

ITCS 1160: Introduction to Oracle: SQL **2**

ITCS 1180: Database Design Concepts **2**

ITCS 2530: C++ Programming 1 **4**

BCOM 2070: Technical Business Communications & Project Management Principles **3**

ITWP 2300: Building Dynamic, Intelligent Web Based Solutions with ASPNET **3**

ITCS 2830: Applications Implementation & Testing **4**

Select one:

ITCS 2000 Game Programming in Direct X with C++ **4**

ITCS 2220 Advanced Visual Basic **3**

ITCS 2550 C++ Programming 2 **3**

ITCS 2620 Java 2 **3**

Select two:

ACCT 1080 Principles of Accounting 1 **4**

BCOM 2060 Advanced Business Communications **3**

BUSN 1010 Introduction to Business **3**

MGMT 1010 Principles of Management **3**

MCC AAS: Information Technology – Programming to WSU BA in Computer Science

WSU Coursework—After Transfer:

Major Requirements 37 Hrs

MAT 2210: Elementary Probabilities and Statistics **4**

CSC 1500: Fundamental Structures in Computer Science **3**

CSC 1501: Laboratory for Fundamental Structures in Computer Science **1**

CSC 2200: Data Structures and Algorithm Analysis **3**

CSC 2201: Laboratory for Data Structures and Algorithm Analysis **1**

CSC 3100: Computer Organization and Architecture **3**

CSC 3101: Laboratory for Computer Organization and Architecture **1**

CSC 4100: Introduction to Software Engineering **3**

CSC 4101: Laboratory for Introduction to Software Engineering **1**

CSC 4420: Operating Systems **3**

CSC 4221: Laboratory for Operating Systems **1**

CSC 4996: Senior Project and Computer Ethics **3**

CSC 4997: Senior Project Lab **1**

Three additional CSC electives of at least three credits each, all numbered at or above 3000, excluding CSC 4990 and 4995 **9**

Maximum Macomb Credits = 82 Minimum WSU Credits = 37

Total Credits required for Bachelor of Arts in Computer Science = 120

Note: A grade of C- or better is required for Core Requirements to transfer. This guide and its requirements are subject to change and should be used in consultation with an academic advisor.

Macomb Coursework—Before Transfer:

General Education & Competency Requirements 33 - 37 Hrs

Basic Composition: ENGL 1180 – Communications 1 or ENGL 1210 – Composition 1 **3-4**

Intermediate Composition: ENGL 1190 – Communications 2 or ENGL – Composition 2 **3-4**

Mathematics: MATH 1460 – Pre-Calculus **4**

Social Science (Select 2): GEOG 2000, ANTH 1000, ECON 1160, ECON 1170, SOCY 1010, SOCY 1100 **6-8**

Humanities: HUMN 1750 **3**

Foreign Language: FREN 2360, GRMN 2360, ITAL 2360, SPAN 2360 **4**

Life Science: BIOL 1000*, 1400, 2400*; ENVS 1050; NATS 1200*, 1310*; PSYC 1010 **4**

Physical Science: ASTR 1030 + 1040, CHEM 1050*, CHEM 1170*, GEOL 1140*, NATS 1210*, PHSA 1050*, PHYS 1180*, PHYS 2220* **4**

PHED Any course **2**

*Course meets laboratory science requirement. One Life Science or Physical Science is required to be a laboratory course.

Core Requirements 56-58 Hrs

MATH 1760: Analytic Geometry & Calculus 1 **4**

MATH 1770: Analytic Geometry & Calculus 2 **4**

MATH 2000: Introduction to Linear Algebra **3**

BCOM 2050: Business Communications **4**

ITCS 1010: Computer & Information Processing Principles **4**

Or ITCS 2335: Foundations of Business Information Technology **4**

ITCS 1130: Introduction to Program Design & Development **3**

ITWP 1000: Introduction to Web Programming **3**

ITCS 1230: Visual Basic Programming **4**

Or ITCS 2590: Java 1 **4**

ITCS 1160: Introduction to Oracle: SQL **2**

ITCS 1180: Database Design Concepts **2**

ITCS 2530: C++ Programming 1 **4**

BCOM 2070: Technical Business Communications & Project Management Principles **3**

ITWP 2300: Building Dynamic, Intelligent Web Based Solutions with ASP.NET **3**

ITCS 2830: Applications Implementation & Testing **4**

Select one:

ITCS 2000 Game Programming in Direct X with C++ **4**

ITCS 2220 Advanced Visual Basic **3**

ITCS 2550 C++ Programming 2 **3**

ITCS 2620 Java 2 **3**

Select two:

ACCT 1080 Principles of Accounting 1 **4**

BCOM 2060 Advanced Business Communications **3**

BUSN 1010 Introduction to Business **3**

MGMT 1010 Principles of Management **3**

MCC AAS: Information Technology – Programming to WSU BS in Computer Science

WSU Coursework—After Transfer:

Major Requirements 40 Hrs

MAT 2210: Elementary Probabilities and Statistics 4

CSC 1500: Fundamental Structures in Computer Science 3

CSC 1501: Laboratory for Fundamental Structures in Computer Science 1

CSC 2200: Data Structures and Algorithm Analysis 3

CSC 2201: Laboratory for Data Structures and Algorithm Analysis 1

CSC 3100: Computer Organization and Architecture 3

CSC 3101: Laboratory for Computer Organization and Architecture 1

CSC 3110: Algorithm Design and Analysis 3

CSC 4100: Introduction to Software Engineering 3

CSC 4101: Laboratory for Introduction to Software Engineering 1

CSC 4420: Operating Systems 3

CSC 4421: Laboratory for Operating Systems 1

CSC 4500: Introduction to Theoretical Computer Science 3

CSC 4996: Senior Project and Computer Ethics 3

CSC 4997: Senior Project Lab 1

Two additional CSC electives of at least three credits each, all numbered at or above 3000, excluding CSC 4990 and 4995 6

Maximum Macomb Credits = 89 Minimum WSU Credits = 40

Total Credits required for Bachelor of Science in Computer Science = 129

Note: A grade of C- or better is required for Core Requirements to transfer. This guide and its requirements are subject to change and should be used in consultation with an academic advisor.

Macomb Coursework—Before Transfer:

General Education & Competency Requirements 33 - 37 Hrs

Basic Composition: ENGL 1180 – Communications 1 or ENGL 1210 – Composition 1 **3-4**

Intermediate Composition: ENGL 1190 – Communications 2 or ENGL – Composition 2 **3-4**

Mathematics: MATH 1460 – Pre-Calculus **4**

Social Science: GEOG 2000, ANTH 1000, ECON 1170, SOCY 1010, SOCY 1100 **3-4**

Social Science: ECON 1160 **3**

Humanities: HUMN 1750 **3**

Foreign Language: FREN 2360, GRMN 2360, ITAL 2360, SPAN 2360 **4**

Life Science: BIOL 1000*, 1400, 2400*; ENV5 1050; NATS 1200*, 1310*; PSYC 1010 **4**

Physical Science: ASTR 1030 + 1040, CHEM 1050*, CHEM 1170*, GEOL 1140*, NATS 1210*, PHSA 1050*, PHYS 1180*, PHYS 2220* **4**

PHED Any course **2**

*Course meets laboratory science requirement. One Life Science or Physical Science is required to be a laboratory course.

Core Requirements 50-51 Hrs

MATH 1760: Analytical Geometry & Calculus 1 **4**

BCOM 2050: Business Communications **4**

ITCS 1010: Computer & Information Processing Principles **4**

Or ITCS 2335: Foundations of Business Information Technology **4**

ITCS 1130: Introduction to Program Design & Development **3**

ITWP 1000: Introduction to Web Programming **3**

ITCS 1230: Visual Basic Programming **4**

Or ITCS 2590: Java 1 **4**

ITCS 1160: Introduction to Oracle: SQL **2**

ITCS 1180: Database Design Concepts **2**

ITCS 2530: C++ Programming 1 **4**

BCOM 2070: Technical Business Communications & Project Management Principles **3**

ITWP 2300: Building Dynamic, Intelligent Web Based Solutions with ASPNET **3**

ITCS 2830: Applications Implementation & Testing **4**

Select one:

ITCS 2000 Game Programming in Direct X with C++ **4**

ITCS 2220 Advanced Visual Basic **3**

ITCS 2550 C++ Programming 2 **3**

ITCS 2620 Java 2 **3**

ACCT 1080: Principles of Accounting 1 **4**

MGMT 1010: Principles of Management **3**

MCC AAS: Information Technology – Programming to WSU BA in Information Systems Technology

WSU Coursework—After Transfer:

Major Requirements 42 Hrs

- MAT 2210: Elementary Probabilities and Statistics 4
- CSC 1500: Fundamental Structures in Computer Science 3
- CSC 1501: Laboratory for Fundamental Structures in Computer Science 1
- CSC 2200: Data Structures and Algorithm Analysis 3
- CSC 2201: Laboratory for Data Structures and Algorithm Analysis 1
- CSC 3100: Computer Organization and Architecture 3
- CSC 3101: Laboratory for Computer Organization and Architecture 1
- CSC 3750: Introduction to Web Technology 3
- CSC 4100: Introduction to Software Engineering 3
- CSC 4101: Laboratory for Introduction to Software Engineering 1
- CSC 4420: Operating Systems 3
- CSC 4221: Laboratory for Operating Systems 1
- CSC 4500: Introduction to Theoretical Computer Science 3
- CSC 4710: Information Systems Design 3
- CSC 4996: Senior Project and Computer Ethics 3
- CSC 4997: Senior Project Lab 1
- CSC 5750: Principles of Web Technology 3

Note: Business course requirements met through AAS requirements at MCC.

Maximum Macomb Credits = 83 Minimum WSU Credits = 42

Total Credits required for Bachelor of Arts in Information Systems Design = 125

Note: A grade of C- or better is required for Core Requirements to transfer. This guide and its requirements are subject to change and should be used in consultation with an academic advisor.