

MIWORKFORCE PATHWAYS

ARTICULATION AGREEMENT

INFORMATION TECHNOLOGY

MIWORKFORCE PATHWAYS ARTICULATION AGREEMENT: INFORMATION TECHNOLOGY

TO: MiWorkforce Information Technology Pathway Participating Institutions
FROM: Michigan Community College Association
SUBJECT: MiWorkforce Join/Modify Summary

The MiWorkforce Pathways agreement, signed on August 24, 2022, provides for institutions to modify worksheets and equivalencies or join the MiWorkforce Pathways agreement. Institutions have requested to make the following adjustments to the Information Technology Pathway:

CYCLE	INSTITUTION	JOINING/ MODIFYING
Spr 2023	Grand Valley State University	Modifying
Spr 2025	Glen Oaks Community College	
Spr 2025	Montcalm Community College	Modifying

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BACKGROUND

Between 2017-2020, Michigan colleges and universities signed ten statewide multi-institutional associate to bachelor's degree transfer agreements in high volume transfer programs with generous support from a one-time state appropriations grant. With generous support from the Ascendium Education Group, the Michigan Community College Association (MCCA) again convened cross-sector stakeholders in 2021-2022 to develop and execute new multi-institutional bachelor's completion transfer agreements for students who have earned *applied* associate degrees from Michigan community colleges. While community college graduates in applied associate degree programs typically enter the labor market with the associate degree, it is becoming increasingly common for students and employers to seek a bachelor's degree after completing the applied associate degree.

The MCCA and Michigan's community colleges invited public universities and independent colleges and universities to join this work to expand bachelor's degree options for associate degree graduates. Interested bachelor's degree granting institutions submitted information about their programs to the MCCA for review and the MCCA engaged with community colleges to identify applied associate degree programs suitable for the agreements. This process resulted in four additional multi-institutional transfer agreements as outlined in this and other agreements. Information about all transfer agreements is regularly updated on the Michigan Transfer Network at www.mitransfer.org.

CONTENTS OF THE AGREEMENT

The contents of this agreement include the following:

- Terms of the Agreement
- Signatures of Participating Institutions
- Appendix A includes the full list of participating community college programs
- Appendix B includes the full list of participating bachelor's degree granting programs

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TERMS OF THE AGREEMENT

1. This agreement is effective August 1, 2022, through June 30, 2025. Agreements are expected to renew every three years after (2028, 2031, etc.) unless participating institutions choose to leave the agreement following the protocol for leaving the agreement published at www.mittransfer.org.
2. Participating institutions agree that to use this agreement, students must apply and be admitted to the participating institution and to the program.
3. Participating institutions agree that all courses must be completed with a grade of C (2.0) or better unless otherwise indicated by the bachelor's degree granting institution.
4. Bachelor's degree granting programs identified in Appendix B agree to accept the applied associate degrees identified in Appendix A.
5. Bachelor's degree granting programs identified in Appendix B agree to accept the Michigan Transfer Agreement (MTA) in accordance with the institutions' MTA policy. Community college students are encouraged but not required to complete the MTA to participate in this pathway.
6. Community colleges identified in Appendix A agree to enforce institutional policies to review and award credit for prior learning (CPL) such that student's meet the learning outcomes of the course for which they are receiving credit and the policy meets institutional and programmatic accreditation requirements. CPL examples include Advanced Placement (AP), International Baccalaureate (IB), College-Level Examination Program (CLEP), DANTES, military training, industry credentials, credit for apprenticeship, credit by examination, and portfolio assessment. This opportunity is more common among students in applied associate degree programs since some students may have previous training or work experience that aligns with program requirements (i.e. CCNA I certification aligned with CIS 100).
7. Bachelor's degree granting programs identified in Appendix B agree to accept credit for prior learning previously applied to meet associate degree and MTA requirements at the participating community colleges identified in Appendix A.
8. Wherever possible, bachelor's degree granting programs identified in Appendix B will not limit transfer credit awards due to credit expiration.
9. Community colleges identified in Appendix A agree to add website links in the designated area of mittransfer.org which includes information about the associate degree program and transfer opportunities associated with this transfer agreement.
10. Bachelor's degree granting programs identified in Appendix B agree to add a website link in the designated area of mittransfer.org which will include information about this agreement, the bachelor's degree program, admission requirements, residency requirements, additional coursework that can be completed at the community college, and coursework remaining to complete the bachelor's degree.

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11. Community colleges and bachelor's degree granting institutions interested in joining this agreement should follow the protocol and timeline for joining the agreement published at www.mittransfer.org and contact the Michigan Community College Association for additional information.
12. Institutions are expected follow the protocol and timeline published at mittransfer.org to make modifications to the agreement. Any modifications to the agreement should be communicated among participating institutions as soon as possible to avoid adverse impacts on students.
13. 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. Each is responsible only for its own conduct.

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SIGNATURES

By signing this agreement, institutions agree to the terms of the agreement.

MICHIGAN COMMUNITY COLLEGE ASSOCIATION

NAME/ SIGNATURE	TITLE	INSTITUTION
<i>Steven Fosgard</i>	VP of Instruction	Alpena Community College
<i>Dr. Laura Coleman</i>	President	Bay College
<i>Michael Gavin, Ph.D.</i>	President	Delta College
<i>Reva Curry, Ph.D.</i>	Vice President of Instruction and Learning Services	Delta College
<i>Eduardo Suniga, M.S. Ed</i>	Dean of Career Education and Learning Partnerships	Delta College
<i>Dr. David Devier</i>	President	Glen Oaks Community College
<i>Dr. Adam L. Cloutier</i>	Vice President of Academics	Glen Oaks Community College
<i>Jennifer Sabourin</i>	VP of Student Services and Athletics	Gogebic Community College
<i>Juan Olivarez</i>	President	Grand Rapids Community College
<i>Brian Knetl</i>	Provost and Executive Vice President, Academic and Student Affairs	Grand Rapids Community College
<i>Russell Kavalhuna</i>	President	Henry Ford College
<i>Michael Nealon</i>	VPAA	Henry Ford College
<i>Patricia Chatman</i>	Dean	Henry Ford College
<i>Todd Butler</i>	Dean of Humanities and the Sciences	Jackson College
<i>Heather Ruttkofsky</i>	Dean of Health Sciences & Career and Technical Trades	Jackson College
<i>Dr. Paul Watson, II</i>	Interim President	Kellogg Community College
<i>Ms. Tonya Forbes</i>	Interim Vice President of Instruction	Kellogg Community College

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<i>Dr. Amy Fugate</i>	VP Instructional Services	Kirtland Community College
<i>Dr. Ken Flowers</i>	Interim Provost and Vice President, Academic Affairs	Lake Michigan College
<i>Dr. Leslie Kellogg</i>	Provost	Macomb Community College
<i>Amy Fisher</i>	Dean of Business and Professional Studies	Mid Michigan College
<i>Tim Hood</i>	President	Mid Michigan College
<i>Scott Mertes, Ph.D.</i>	Vice President of Academic Affairs and Community Outreach	Mid Michigan College
<i>Richard Smith, Ed.D.</i>	Associate Dean of Off Campus Instruction	Mid Michigan College
<i>Grace Yackee</i>	Vice President of Instruction	Monroe County Community College
<i>Robert A. Spohr</i>	Vice President for Academic Affairs	Montcalm Community College
<i>Dr. John Selmon</i>	President	Muskegon Community College
<i>Dr. Kelley Conrad</i>	Provost	Muskegon Community College
<i>Stephen Siciliano</i>	Vice President for Educational Services	Northwestern Michigan College
<i>Jennifer I Berne, Ph.D.</i>	Provost	Oakland Community College
<i>Stacy Whiddon</i>	Chief Academic Officer	Schoolcraft College
<i>David Fleming</i>	Provost	Southwestern Michigan College
<i>Ethan Flick</i>	CAO	St. Clair County Community College
<i>Dr. Deborah Snyder</i>	President	St. Clair County Community College
<i>Victor Vega</i>	Vice President of Instruction	Washtenaw Community College
<i>David E. Beaumont</i>	Vice Chancellor Educational Affairs	Wayne County Community College District
<i>Dr. Mark Kinney</i>	Vice President of Academics and Student Services	West Shore Community College

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MICHIGAN ASSOCIATION OF STATE UNIVERSITIES

NAME/ SIGNATURE	TITLE	INSTITUTION
<i>Hira Herrington</i>	Department Chair	Ferris State University
<i>Gayle Lopez</i>	Department Chair	Ferris State University
<i>Logan Jones</i>	Dean	Ferris State University
<i>Roxanne Cullen</i>	Professor	Ferris State University
<i>Randy Cagle</i>	Dean	Ferris State University
<i>Steve Reifert</i>	Interim Associate Provost	Ferris State University
<i>Dr. Fatma Mili</i>	Provost and Executive Vice President for Academic Affairs	Grand Valley State University
<i>Dr. Deborah Huntley</i>	Provost & Vice President for Academic Affairs	Saginaw Valley State University

MICHIGAN INDEPENDENT COLLEGES AND UNIVERSITIES

NAME/ SIGNATURE	TITLE	INSTITUTION
<i>Mariah Orzolek</i>	Registrar	Alma College
<i>Bart Daig</i>	CEO	Baker College
<i>Richard Pappas, Ed.D.</i>	President	Davenport University
<i>Gilda Gely, Ph.D.</i>	Executive Vice President for Academics and Provost	Davenport University
<i>Kristin Stehouwer</i>	VP Academics	Northwood University
<i>Remylin Bruder</i>	Provost	Rochester University
<i>Dr. Emily Barnes</i>	Provost & Vice President of Academic Affairs	Siena Heights University
<i>Dave Schippers</i>	Chief Academic Officer – Dean of Academics	Walsh College

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APPENDIX A: PARTICIPATING COMMUNITY COLLEGES

Definitions

- Institution: The community college participating in the agreement.
- CIP Code: The six-digit CIP code assigned by the institution to the program. This information is helpful to cluster similar programs with different program names across institutions.
- CIP Program Name: The name of the program associated with that CIP Code
- Institution's Program Name: The name of the program name used at the institution.
- *Credits Required: Total credits required to earn the associate degree at the institution when the agreement was signed.

*This field includes the number of credits required for the associate degree. It is recommended that this be verified in the institution's current catalog.

INSTITUTION	CIP CODE	CIP PROGRAM NAME	INSTITUTION'S PROGRAM NAME	CREDITS REQUIRED*
Alpena Community College	11.1001	NETWORK AND SYSTEM ADMINISTRATION/ADMINISTRATOR.	Networking	61
Bay de Noc Community College	11.0301	DATA PROCESSING AND DATA PROCESSING TECHNOLOGY/TECHNICIAN.	Computer Information Systems: Software/Network Support, AAS	60
Bay de Noc Community College	15.0403	ELECTROMECHANICAL /ELECTROMECHANICAL ENGINEERING TECHNOLOGY/TECHNICIAN.	Mechatronics and Robotics Systems, AAS	60
Bay de Noc Community College	15.1202	COMPUTER/COMPUTER SYSTEMS TECHNOLOGY/TECHNICIAN.	Computer Network Systems & Security, AAS	65
Bay de Noc Community College	15.1202	COMPUTER NETWORKING/COMPUTER ENGINEERING TECH	Computer Information Systems: Programming & User Support, AAS	60
Delta College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	AAS CSIT Programming	65
Delta College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	AAS CSIT Network Administration	63
Delta College	11.1004	WEB/MULTIMEDIA MANAGEMENT AND WEBMASTER.	AAS CSIT Programming WEB Development Track	63

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Glen Oaks Community College	11.0101	COMPUTER AND INFORMATION SCIENCES, GENERAL.	Associate of Applied Science in Computer Information Systems	60
Glen Oaks Community College	11.0701	COMPUTER SCIENCE.	Associate of Arts in Computer Science	60
Glen Oaks Community College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY	Associate of Arts in Cyber Security	60
Glen Oaks Community College	15.0899	MECHANICAL ENGINEERING RELATED TECHNOLOGIES/TECHNICIANS, OTHER.	Associate of Applied Science in Technology	60
Gogebic Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Computer Information Technology	67
Gogebic Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Computer Networking	63
Grand Rapids Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Computer Programming	60
Grand Rapids Community College	11.0801	WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN.	Graphics/Web Development	60
Grand Rapids Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Network Administration	60
Grand Rapids Community College	11.1006	COMPUTER SUPPORT SPECIALIST.	Computer Support Specialist	60
Henry Ford College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Computer Information Systems Associate in Applied Science	60
Henry Ford College	11.0701	COMPUTER SCIENCE.	Computer Science Associate in Science	71
Henry Ford College	11.0801	WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN.	Computer Information Systems-Web Development Associate in Applied Science	61
Henry Ford College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Computer Information Systems-Network Administration Associate in Applied Science	67
Henry Ford College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	Computer Information Systems-Cybersecurity Associate in Applied Science	62
Jackson College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Software Engineering SOEN.AAS	60
Jackson College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Networking Specialist-NESP.AAS	62

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Jackson College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	Cyber Security-CYSE.AAS	62
Kellogg Community College	10.0304	ANIMATION, INTERACTIVE TECHNOLOGY, VIDEO GRAPHICS, AND SPECIAL EFFECTS.	Applied Photography and Multimedia	60
Kellogg Community College	11.1003	CYBER SECURITY	Applied Cyber Security	62
Kellogg Community College	15.1202	COMPUTER NETWORKING/COMPUTER ENGINEERING TECH	Applied Computer Networking	60
Kellogg Community College	15.1302	CAD/CADD DRAFTING AND/OR DESIGN TECHNOLOGY/TECHNICIAN.	Applied Computer Aided Drafting and Design Technology	61.16
Kirtland Community College	52.1201	MANAGEMENT INFORMATION SYSTEMS, GENERAL.	Information Technology	60
Lake Michigan College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Applications Development	61
Lake Michigan College	11.1001	NETWORK AND SYSTEM ADMINISTRATION/ADMINISTRATOR.	Networking	62
Macomb Community College	11.1099	COMPUTER/INFORMATION TECHNOLOGY SERVICES ADMINISTRATION AND MANAGEMENT, OTHER.	Information Technology - Various, 7 Degrees	62-64
Mid Michigan College	11.0202	COMPUTER PROGRAMMING, SPECIFIC APPLICATIONS.	Software Development	62
Mid Michigan College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	IT Infrastructure and Cybersecurity	62
Mid Michigan College	50.0411	GAME AND INTERACTIVE MEDIA DESIGN	Game Programming	62
Monroe County Community College	11.0701	COMPUTER SCIENCE.	Computer Science	61
Monroe County Community College	11.1002	SYSTEM, NETWORKING, AND LAN/WAN MANAGEMENT/MANAGER.	System Administration Specialist	60
Monroe County Community College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	Cybersecurity and Information Assurance	60
Montcalm Community College	11.0101	COMPUTER AND INFORMATION SCIENCES, GENERAL.	Web Developer & Programming	64
Montcalm Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Computer Network Administration	66

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Montcalm Community College	11.1001	SYSTEM ADMINISTRATION/ADMINISTRATOR	Information Technology Network Administration	60
Montcalm Community College	11.1002	SYSTEM, NETWORKING, AND LAN/WAN MANAGEMENT/MANAGER	Information Technology Infrastructure Management	60
Montcalm Community College	11.1003	COMPUTER INFORMATION SYSTEMS SECURITY	Information Technology Cybersecurity	60
Muskegon Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Software Development	62
Muskegon Community College	11.0801	WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN.	Website Development Entrepreneur	62
Muskegon Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Networking & IT Security	62
Northwestern Michigan College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	CIT - Developer AAS	60
Northwestern Michigan College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	CIT - Infrastructure & Security AAS	66
Oakland Community College	11.0103	INFORMATION TECHNOLOGY.	CIS - Info. Tech. Support Option	62
Oakland Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	CIS - Software Engineering Option	62
Oakland Community College	11.0501	COMPUTER SYSTEMS ANALYSIS/ANALYST.	CIS - Bus. Systems Analysis Option	62
Oakland Community College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	CIS - Cybersecurity Option	61
Oakland Community College	11.1006	COMPUTER SUPPORT SPECIALIST.	CIS - Info. Tech. Support Option	62
Schoolcraft College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Computer Information Systems - Programming	60
Schoolcraft College	11.0801	WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN.	Web and Interactive Media	60
Schoolcraft College	11.0803	COMPUTER GRAPHICS.	Computer Graphics Technology	60
Schoolcraft College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Networking	60
Schoolcraft College	11.1003	COMPUTER AND INFORMATION SYSTEMS SECURITY/AUDITING/INFORMATION ASSURANCE.	Cybersecurity	60

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Schoolcraft College	11.1006	COMPUTER SUPPORT SPECIALIST.	Technical Support	60
Schoolcraft College	15.0401	BIOMEDICAL TECHNOLOGY/TECHNICIAN.	Biomedical	60
Southwestern Michigan College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	IT Networking	60
St. Clair County Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	AAS CIS Programming	60
St. Clair County Community College	11.0301	DATA PROCESSING AND DATA PROCESSING TECHNOLOGY/TECHNICIAN.	AAS CIS	60
Washtenaw Community College	11.0103	INFORMATION TECHNOLOGY.	Information Systems: Programming in C++	60
Washtenaw Community College	11.0201	COMPUTER PROGRAMMING/PROGRAMMER, GENERAL.	Computer Science: Programming in Java	60
Washtenaw Community College	11.0801	WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN.	Web Design and Development	60
Washtenaw Community College	11.0803	COMPUTER GRAPHICS.	3D Animation	60
Washtenaw Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Computer Systems and Networking	61
Washtenaw Community College	43.0404	CYBERSECURITY DEFENSE STRATEGY/POLICY.	Cybersecurity	65
Wayne County Community College District	11.0103	INFORMATION TECHNOLOGY	Computer Information Systems AAS	60
Wayne County Community College District	11.0103	INFORMATION TECHNOLOGY	Computer Information Systems: Cybersecurity AAS	60
West Shore Community College	11.0901	COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS.	Network Services	64
West Shore Community College	11.1006	COMPUTER SUPPORT SPECIALIST.	Computer Support Services	64

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APPENDIX B: PARTICIPATING BACHELOR'S DEGREE GRANTING INSTITUTIONS

INSTITUTION	PROGRAM NAME
Alma College	Information Technology
Baker College	Bachelor of General Studies
Davenport University	BAS-Applied Business
Davenport University	BAS-Professional Integrative Studies
Davenport University	BAS-Professional Integrative Studies-Partnerships
Ferris State University	BS Computer Information Systems
Ferris State University	BS Computer Information Technology
Grand Valley State University	Bachelor of Integrative Studies
Grand Valley State University	BAS – Leadership and Business Fundamentals
Grand Valley State University	BAS – Professional Innovation
Grand Valley State University	BAS – Web Design and Development
Northwood University	Applied Business
Rochester University	BBA in Computer Information Systems
Saginaw Valley State University	Bachelor of General Studies
Siena Heights University	Bachelor of Applied Science
Walsh College	Bachelor of Business Administration
Walsh College	Bachelor of Science in Applied Management