



Bachelor of Science in Digital Machining & Automation Technology

Transfer Pathway Guide for Oakland Community College

This is a tool designed to assist OCC students transferring to the University of Michigan-Flint. This is not a self-advising tool.

University of Michigan-Flint

Oakland Community College

✓	General Education Requirements	Course Equivalent
	English Composition - 3 credit hours	ENG 1510: Composition I OR MTA satisfies
	English Composition (Comp) - 3 credit hours	ENG 1520: Comp II OR COM 1290 Interpersonal Comm OR COM 1600 Fund. of Speech OR MTA satisfies
	Social Science (S) - 6 credit hours	ECO 2610: Principles of Macroeconomics and Options at: Transfer.umflint.edu OR MTA satisfies
	Humanities (H) - 6 credit hours	6 Credit hour Options at: Transfer.umflint.edu OR MTA satisfies
	Fine Arts (F) - 3 credit hours	3 credit hour Options at: Transfer.umflint.edu
	Mathematics (FQ) - 3 credit hours	MAT 1600: Applied Calc OR MTA satisfies
	Natural Science (N/NL)- 4 credit hours w/ lab	PHY 1610: College Physics OR MTA satisfies

Add'l credit hours of the student's designation choice are required to complete 30 credit hours. MTA meets this requirement.

Required Program Curriculum

	Prerequisites	Course Equivalent
	CIT 100: Technology Foundations	Completed at UM-Flint
	CIT 120: Org. Leadership for Next Generation Ind.	Completed at UM-Flint
	EGR 165: Computer-Aided Design	CAD 1101 Intro to Cad OR CAD 1201 Intro EGR Graphics OR CAD 2110 NX I

	Programming Foundations	Course Equivalent
	CSC 174: Programing and Problem Solving for Engineers OR CSC 175: Problem Solving and Programming I OR CSC 179: Problem Solving and Programing I in Python	CIS 2252: Object-Orientated Programming OR CIS 2757: C# Programming

	Core Courses	Course Equivalent
	SMT 125: Materials & Processing Applications	Completed at UM-Flint
	SMT 150: Industrial Internet of Things and Automation	Completed at UM-Flint
	SMT 230: Mfg. Project Management	Completed at UM-Flint
	SMT 250: Digital Mfg. I: Mfg. Systems	Completed at UM-Flint
	SMT 260: Electronic Systems	Completed at UM-Flint
	SMT 280: Introduction to Robotics	Completed at UM-Flint
	SMT 300: Quality Mgt. for Next Generation Industries	Completed at UM-Flint
	SMT 340: Economics of Digital Mfg. Systems	Completed at UM-Flint
	SMT 445: Product Design and Development	Completed at UM-Flint

Mathematics

	MTH 118: Calculus for Mgt & Social Sciences	MAT 1600 Applied Calculus
	MTH 272: Applied Statistics and Data I	Completed at UM-Flint

Physics and Chemistry

	CHM 150: General Chemistry for Health Sciences	CHE 1000: Introductory Chemistry
	CHM 151: Chemistry Laboratory for Health Sciences	CHE 1000: Introductory Chemistry
	PHY 143: College Physics I OR PHY 153: Physical Science by Instrumentation.	PHY 1610: College Physics I

Economics (3 credits)

	ECN 201: Prin. of Econ (Macro)	ECO 2610: Principles of Macroeconomics
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Capstone Experience (6 credits)

	CIT 480: Technology Capstone I	Completed at UM-Flint
	CIT 485: Technology Capstone II	Completed at UM-Flint

Concentration of Choice

	12 Credit of advanced work in one of: <ul style="list-style-type: none"> Additive Manufacturing and Robots Project and Motorsports Management General Concentration 	Completed at UM-Flint
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	Core Courses	Course Equivalent
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1. Remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint.
2. Students must earn a min. of 120 college credits (transfer & UM-Flint), a min. of 30 UM-Flint credit hours.
3. Catalog and transfer credit are subject to change annually. Please speak with an UM-Flint representative before taking any additional coursework (810.762.3361 or <https://go.umflint.edu/vucv5>)
4. To view courses that transfer to UM-Flint, please visit transfer.umflint.edu

For an official evaluation, apply for free at [UMFLINT.EDU/APPLY](https://umflint.edu/apply).