



Bachelor of Science - Data Analytics Program

Transfer Pathway Guide for Macomb Community College

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

University of Michigan-Flint

Macomb Community College

✓	General Education Requirements	Course Equivalent
	English Composition - 3 credit hours	ENGL 1181 Comm 1 OR ENGL 1210 Comp 1 OR MTA satisfies
	English Composition - 3 credit hours	ENGL 1190 Comm 2 OR ENGL 1220 Comp 2 OR MTA satisfies
	Social Science (S) - 6 credit hours	Options at: Transfer.umflint.edu OR MTA satisfies
	Humanities (H) - 6 credit hours	Options at: Transfer.umflint.edu OR MTA satisfies
	Fine Arts (F) - 3 credit hours	Options at: Transfer.umflint.edu
	Mathematics (FQ) - 3 credit hours	MATH 1360 - Finite Mathematics or MATH 1370 - Calculus for Business & Social OR MTA satisfies
	Natural Science (N/NL) - 4 credit hours w/ lab	Options at: Transfer.umflint.edu 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

	Program Requirements	Course Equivalent
	ARI 415 - Ethics and Bias in AI	Completed at UM-Flint
	BUS 115 - Introduction to Business Applications	ITCS 1010 Computer & Information Processing Principles
	CSC 179 - Problem Solving and Programming in Python	Completed at UM-Flint
	ENG 345 - Technical Writing	Completed at UM-Flint
	GIS 203 - Mapping and Spatial Data Science	Completed at UM-Flint
	MTH 118 - Applied Calculus	MATH 1360 - Finite Mathematics or MATH 1370 - Calculus for Business & Social
	MTH 220 - Elementary Linear Algebra	MATH 2000 - Introduction to Linear Algebra
	CSC 302 - Intro to Data Visualiz. OR MTH 206 - Elem of Data Sci I	Completed at UM-Flint
	MTH 272- App Stats & Data I or PHS 247- Public Health Stats or PSY 322- Basic Stats & Prob. or SCM 211- Bus Stats or SOC 215- Gen Stats or SWR 270- Intro to Quant & Qual Data (See Advisor)	PSYC 2170 - Psychological Statistics (Preferred for Social Analytics track) or MATH 1340 - Statistics (Preferred for Business Analytics track) or Completed at UM-Flint
	ECN 480 - Quan. Methods & Econometrics or MTH 306 - Intro to Data Science or SCM 313 - Intro to Bus. Analytics (See Advisor)	Completed at UM-Flint

Track of Choice

	Business Analytics Track (56-57 credits)	Course Equivalent
	ACC 201 - Principles of Financial Accounting	ACCT 1080 Principles of Accounting 1
	ACC 202 - Principles of Managerial Accounting	ACCT 1090 Principles of Accounting 2 or ACCT 2270 Managerial Accounting
	BUS 110 - Business Concepts and Careers	MGMT 1010 Principles of Management
	BUS 250 - Contemporary Legal Issues for Business	BLAW 1080 Business Law 1
	BUS 381 - Management Information Systems	Completed at UM-Flint
	CIS 431 - Data Warehousing and Business Intelligence	Completed at UM-Flint
	CSC 384 - Database Design	Completed at UM-Flint
	ECN 201 - Principles of Economics (Macroeconomics)	ECON 1160 Prin of Economics 1
	ECN 202 - Principles of Economics (Microeconomics)	ECON 1170 Prin of Economics 2
	FIN 361 - Financial Management	Completed at UM-Flint
	MGT 341 - Human Behavior in Organizations	Completed at UM-Flint
	MKT 330 - Principles of Marketing	MKTG 1010 Principles of Marketing
	SCM 371 - Operations Management	Completed at UM-Flint
	SCM 381 - Six Sigma and Quality Management	Completed at UM-Flint
	Geospatial Analytics Track (36 credits all at UM-F)	Completed at UM-Flint
	Health Data Analytics Track (55-60 Credits)	HHSC 1700- Med Terminology, MAST 1201 Ethical & Legal Prac Med Off and additional courses Completed at UM-Flint
	Social Analytics Track (48 Credits)	ANTH 1100 - Intro to Cultural Anthropology; ANTH 1000 - Introduction to Anthropology and additional courses Completed at UM-Flint

- The remaining requirements (general education & program requirement curriculum) may be completed through UM-Flint.
- Students must earn a min. of 120 college credits (transfer & UM-Flint) and a min. of 30 credit hours at UM-Flint.
- Catalog and transfer credits are subject to change annually. Please speak with a UM-Flint representative before taking any additional coursework (810.762.3085, umflint.edu/advising)
- To view courses that transfer to UM-Flint, please visit transfer.umflint.edu

For an official evaluation, apply for free at UMFLINT.EDU/APPLY.