Total Academic Credits.: 120-128 + 3 Co-Curricular Units

Course Subject and Number
Course Title
Level Restrict, Course Credits
Semesters Offered
College

1885 Michigan Tech College of Business

General Business (BGN) *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.

(F=Fall, S=Spring,Su=Summer) Year 2 Spring Year 3 Year 1 Year 4 **Spring** Fall Fall Spring Fall **Spring** Fall MIS2000 FIN3000, BUS2300 OSM3000, MA1135/1160/1161 BUS3000 OSM3000 MA2720 MGT4000 MGT3000, **Operations & Supply** Statistical Method tegic Managen MKT3000, (or first Math course, Problem Solving Analytics Chain Management 4 cr BUS2300 SR 3 cr 3 cr JR, 3 cr 3 cr F, S, Su F, S Minimum F, S, Su F, S MA1030 REQ credit or EC2001, 8 UN1015, placement UN1025 into Pre-Calc EC2001 FIN3000 MGT3000 FC3100 Tips to select the right business program for YOU: nciples of Economic Principles of Finance national Economics SO, 3 cr 3 cr F, S, Su F, S, Su F, S F, S, Su See COB Academic Advisor and Career Services for resources Focus on Business Core, Math and General Education courses first 3 semesters Take principles course related to major interest early MGT2000 ACC2100 BUS2200 Get involved in a COB student organization ounting Principles II Attend COB Networking Events 3 cr 3 cr F. S F, S Attend Career Fair to learn about career opportunities F, S Participate in COB's Professional Blueprint Program HASS Comm/Comp MKT3000 MIS2000 **Lab Science** Communication & Majors declared by end of 3rd semester Composition 3 cr F, S, Su 3 cr help maximize degree progress. F, S, Su F. S. Su F, S, Su HASS SBS: HASS HU/FA: HASS Any & Lab Science Social & Behavioral Sci Restricted Lists **Humanities & Fine Arts** (Social Sci, Econ & Psychology) 3 cr 3 cr F, S, Su = Business Requirements F, S, Su F, S, Su = General Education Requirements F, S, Su SAMPLE CORE (42 cr) SAMPLE Lab Science (7 cr) MATH (8-9 cr) CORE (12 cr) HASS (12 cr) Co-Curricular/PE (3 units) 12 total credits of Humanities, Arts and Social Sciences (HASS) 6 credits must be upper division (3000-4000 courses) UN1015 and UN1025 are prerequisites for all upper division HASS courses See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ *** ONE SEMESTER OF Gen Ed CORE: Gen Ed CORE: ***UN1025 3000 LEVEL HN1015 Critical & Creative Social Responsibility 8 OR HIGHER Global Issues **Ethical Reasoning** LANGUAGE 3 cr 3 cr 3 cr COURSE CAN F. S, Su F, S, Su F, S, Su F, S, Su REPLACE UN1025 15 16 16-17 16 15 15 15 15 Academic Credits by semester Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit 0.5 UNIT 0.5 UNIT 0.5 UNIT 0.5 UNIT 0.5 UNIT 0.5 UNIT 3 Total Units of F, S, Su F, S, Su

+ 3 Co-Curricular Units Course Subject and Number Course Title Level Restrict, Course Credits Semesters Offered (F=Fall, S=Spring,Su=Summer)



ACCOUNTING (BACC) *FLOWCHART

2024-25 Academic Catalog Year

Flowchart is a guide for course sequencing recommendations.

COB courses have some flexibility.

*NOTE:

Note if any pre-requisites or class level required before taking a course.

Actual Degree requirements are determined by your catalog term

 Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.

Year 2 Spring Year 3 Year 1 Year 4 Fall **Spring** Fall Spring Fall Fall Spring Calc I MA1135/1160/1161 BUS2300 BUS3000 OSM3000 MA2720 and Statistics Operations & Supply **ACC Elective** ACC Elective Chain Management **ACC Elective** (or first Math course) Problem Solving Analytics 3 cr 3 cr 4-5 cr JR, 3 cr 3 cr 3 cr 3 cr F, S, Su F. S. Su Fa, S, St CO-REQ MIS2000 MGT2000 EC2001 ACC3600 MKT3000 FIN3000, MGT4000 FC3100 Lab Science FC2001 **ACC Elective** OSM3000, nciples of Econ ndations of Taxation Principles of Marketing ategic Management national Economics **Decision Making** LIN1015 MGT3000, 3 cr 3 cr 3 cr 3 cr LIN1025 F, S, Su 50 3 cr MKT3000, F, S, Su F, S, Su F, S F, S, Su F, S BUS2300 ACC3500 FREE ELECTIVE ACC2100 ACC2000 MGT3000 ACC4100 ACC Elective Managerial/ Audit and Assurance **ACC Flective** Cost Accounting 1 3 cr *SO*, 3 cr 3 cr 3 cr 3 cr 3 cr 3 cr F. S F. S F. S F, S, Su ς ACC3000 ACC3100 FREE ELECTIVE Intermediate Lab Science FREE ELECTIVE Intermediate Accounting I Accounting II Principles of Finance **Business Law** 3 cr F, S, Su 3 cr 3 cr 3 cr 3 cr 3 cr F, S, Su F, S, Su F, S, Su Minimum MA1030 credit o into Pre-Calc MIS2000 IS/IT Management SO, 3 cr F, S, Su HASS SBS: HASS HU/FA: HASS Any & HASS Comm/Comp: Social & Behavioral Sci Communication & Composition Humanities & Fine Arts **Restricted Lists** (Social Sci, Econ & Psychology) 3 cr F, S, Su F, S, Su F, S, Su F, S, Su = General Education Requirements = Business Requirements Lab Science (7 cr) CORE (42 cr) CORE (12 cr) SAMPLE HASS (12 cr) MATH (8-9 cr) Co-Curricular/PE (3 units) 12 total credits of Humanities, Arts and Social Sciences (HASS) =Free Elective Credits 6 credits must be upper division (3000-4000 level courses) SAMPLE = Major Requirements (33 cr) UN1015 and UN1025 are prerequisites for all upper division HASS courses (Any Non-PE credits) See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ Gen Ed CORE: *** ONE ***UN1025 Gen Ed CORE: UN1015 Social Responsibility & SEMESTER OF Global Issues Critical & Creative Fthical Reasoning 3000 LEVEL 3 cr 3 cr Thinking 3 cr OR HIGHER F, S, Su 3 cr F. S. Su LANGUAGE F, S, Su F. S. Su COURSE CAN Academic **16-17** 16 15 15 16 15 15 15 UN1025 Credits by semester Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit 3 Total Units of (0.5 UNIT) (0.5 UNIT)) (0.5 UNIT) (0.5 UNIT)) (0.5 UNIT) (0.5 UNIT) Co-Curricular/PE F, S, Su F, S, Su

Accounting Elective Courses
Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Accounting	Electives: 18 credits		Typical Semester Offered
ACC 4000	Accounting Data Analytics	3	Fall
*ACC 4200	Accounting Theory	3	On Demand
*ACC 4500	Managerial/Cost Accounting II	3	On Demand
*ACC 4600	Advanced Tax Topics	3	On Demand
ACC 4700	Governmental & Not-for-Profit Accounting	3	Spring
ACC 4800	Accounting Systems	3	Fall
*ACC 4990	Special Topics in Accounting	1-6	On Demand
BUS 3900	Business Internship	1-5	Any Semester
*BUS 4900	Research Projects	1-6	On Demand
*BUS 4950	Business Project	1-6	On Demand
*BUS 4990	Special Topics in Business	1-6	On Demand
*BUS 4991	Business Development Experience I	3	On Demand
*BUS 4992	Business Development Experience II	3	On Demand
EC 3300	Industrial Organization	3	Fall
FIN 4000	Investment Analysis	3	Fall
FIN 4100	Advanced Financial Management	3	Fall
FIN 4200	Derivatives and Financial Engineering	3	Spring
FIN 4300	Personal Financial Planning	3	Spring
*FIN 4400	Equity Analysis	3	On Demand
FIN 4500	Risk Management	3	Spring
FIN 4700	Global Finance	3	Fall
FIN 4801	Applied Portfolio Management 1	2	Summer
FIN 4802	Applied Portfolio Management II	2	Fall
FIN 4803	Applied Portfolio Management III	2	Spring

Total Academic Credits.: 123 + 3 Co-Curricular Units Course Subject and Number Course Title Level Restrict, Course Credits Semesters Offered (F=Fall, S=Spring,Su=Summer)



ACCOUNTING w/Data Analytics (BAC1) *FLOWCHART

2024-25 Academic Catalog Year

Year 3

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
 - Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.

Year 2 Spring Year 1 Year 4 Spring Fall **Spring Spring** Fall Fall MA1135/1160/1161 BUS2300 BUS3000 MA2720 ACC2100 *ACC4800 MKT3000 EC3100 ntro to Business EC2001, Statistical Methods Accounting Systems Principles of Marketing **ACC Elective** ational Economic (or first Math course) **Problem Solving** Analytics UN1015.-4 cr 3 cr 3 cr 3 cr 3 cr 3 cr UN1025 F, S, Su F, S, Su F, S, Su CO-REQ Calc I Minimum MIS2000 ACC2000 and MA1030 credit or and Statistics *ACC4000 OSM3000 MGT2000 FREE ELECTIVE EC2001 FIN3000 FIN3000, MGT4000 ACC3000 (C) Lab Science Math placement Operations & Supply Team Dynamics & Accounting Data OSM3000, rinciples of Econ Principles of Finance ategic Manageme 3 cr **Decision Making** Analytics Chain Management MGT3000, SR, 3 cr 3 cr 3 cr F, S, Su SO, 3 cr 3 cr JR. 3 cr MKT3000 F, S, Su F, S, Su F, S F, S, Su BUS2300 ACC3500 MIS2000 *MIS3100 FREE ELECTIVE ACC2100 ACC3600 ACC2000 MGT3000 Managerial/ **Business Database ACC Elective** ations of Taxatio Cost Accounting 1 Management 3 cr SO, 3 cr 3 cr 3 cr 3 cr 3 cr 3 cr F, S F. S F, S, Su ς ACC3000 ACC3100 Intermediate Intermediate FREE ELECTIVE BUS2200 **Lab Science** Accounting I Accounting II IS/IT Management Audit and Assurance **Business Law** 4 cr 3 cr 3 cr 3 cr 3 cr 3 cr 3 cr F, S, Su F, S F. S. Su F, S, Su *MIS2100 Introduction to **Business Programming** SO, 3 cr HASS SBS: HASS Comm/Comp: HASS HU/FA: HASS Any & Social & Behavioral Sci Restricted Lists Communication & Composition Humanities & Fine Arts (Social Sci, Econ & Psychology) 3 cr 3 cr F, S, Su F, S, Su F, S, Su F, S, Su = General Education Requirements Lab Science (7 cr) = Business Requirements SAMPLE CORE (12 cr) **SAMPLE** CORE (42 cr) HASS (12 cr) MATH (8-9 cr) Co-Curricular/PE (3 units) = Major/*Concentration Requirements 12 total credits of Humanities, Arts and Social Sciences (HASS) 6 credits must be upper division (3000-4000 level courses) Major (15 cr) =Free Elective Credits SAMPLE SAMPLE UN1015 and UN1025 are prerequisites for all upper division HASS courses Concentration Req (12 cr) (Any Non-PE credits) See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ Concentration Elective (6 cr) *** ONE Gen Ed CORE: ***UN1025 Gen Ed CORE: HN1015 SEMESTER OF Global Issues Critical & Creative Social Responsibility & 3000 LEVEL 3 cr 3 cr Thinking Ethical Reasoning OR HIGHER 3 cr 3 cr F. S, Su F, S, Su LANGUAGE F, S, Su F, S, Su COURSE CAN Academic **16-17** 15 16 15 15 16 15 15 UN1025 Credits by semester Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit 3 Total Units of (0.5 UNIT) (0.5 UNIT)) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) Co-Curricular/PE F, S, Su F, S, Su

Accounting w/ Data Analytics
Elective Courses
Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Concentr	ation Electives: 6 credits	Typical Semester Offered	
ACC 4200	Accounting Theory	3	Fall
ACC 4500	Managerial/Cost Accounting II	3	Spring
*ACC 4600	Advanced Tax Topics	3	On Demand
ACC 4700	Governmental & Not-for-Profit Accounting	3	Spring
*ACC 4330	Special Topics in Accounting	1-6	On Demand
BUS 3900	Business Internship	1-5	Any Semester (must apply)
*BUS 4900	Research Project	1-6	On Demand
*BU\$ 4950	Business Project	1-6	On Demand
*BUS 4990	Special Topics in Business	1-6	On Demand
*BUS 4991	Business Development Experience I	3	On Demand
*BUS 4992	Business Development Experience II	3	On Demand
EC 3300	Industrial Organization	3	Fall
FIN 4000	Investment Analysis	3	Fall
FIN 4100	Advanced Financial Management	3	Fall
FIN 4200	Derivatives and Financial Engineering	3	Spring
FIN 4300	Personal Financial Planning	3	Spring
*FIN 4400	Equity Analysis	3	On Demand
FIN 4500	Risk Management	3	Spring
FIN 4700	Global Finance	3	Fall
FIN 4801	Applied Portfolio Management 1	2	Summer
FIN 4802	Applied Portfolio Management II	2	Fall
FIN 4803	Applied Portfolio Management III	2	Spring
MA 3720	Probability	3	Fall/Summer
MA 3740	Statistical Programming and Analysis	3	Full/Summer
MA 4710	Regression Analysis	3	Fell
MIS 3000	Business Process Analysis	3	Spring
MIS 3200	Systems Analysis and Design	3	Spring
*MIS 3500	User-Centered Design	3	On Demand
MIS 4000	Emerging Technologies	3	Fall
MIS 4200	Management of Cyber Securtiy	3	Fall (odd years)
MIS 4400	Business Intelligence and Analytics	3	Spring

Total Academic Credits.: 120 + 3 Co-Curricular Units Course Subject and Number

Course Subject and Number
Course Title
Level Restrict, Course Cr
Semesters Offered
(F=Fall, S=Spring,Su=Summer)

(0.5 UNIT)

F, S, Su

3 Total Units of

Co-Curricular/PE

ECONOMICS (BEC) *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.

(0.5 UNIT)

F, S, Su

- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.

Year 2 Spring Year 3 Year 1 Year 4 **Spring** Fall Fall **Spring** Fall **Spring** Fall EC2001 or EC 3000 or EC 3003 and UN1015/ Calc and (Calc and Statistics) OSM3000 MA1135/1160/1161 BUS3000 FREE ELECTIVE EC3400 or FIN3000 EC4200 MA2720 ntro to Business Supply Chain & Quantitative Prob Statistical Method Operations Mgt (or first level Math course) Solving Analytics 4 cr JR.3 cr 3 cr 3 cr 3 cr JR, 3 cr 3 cr F. S. Su F, S, Su F. S. Su F. S 8 EC2001, Calc and EC2001, Calc and UN1015/1025 **Pathway Course** BUS2200 EC3003 EC3002 **Pathway Course Pathway Course** EC2001 Lab Science Principles of Econ **Business Law** 3 cr 3 cr 3 cr 3 cr 3 cr 3 cr F, S, Su F. S. Su F. S EC2001. Pathway Course or ACC2000 MGT2000 UN1015/1025 **Lab Science** EC3100 **Pathway Course Pathway Course** 3 Free Electives Team Dynamics & 3 cr Decision Making 3 cr F. S. Su 3 cr 3 cr 3 cr F, S SO, 3 cr 3 cr F, S, Su F, S HASS SBS: **Professional Development** MKT3000 **Pathway Course Pathway Course** FREE ELECTIVE Social & Behavioral Sci HASS Anv & Elective IS/IT Management Principles of Marketing (Social Sci, Econ & Psychology) **Restricted Lists** Tech & Prof Comm (HU3120) 3 cr 3 cr 3 cr Pub Speak/Multimedia (HU2830) 3 cr F, S, Su F, S, Su Business Internship (BUS3900) F. S. Su F, S, Su 3 cr in F. S. SU FREE ELECTIVE HASS Comm/Comp: HASS HU/FA: 2-3 cr Communication & Humanities & Fine Arts = Core Major Requirements = Pathway Options (see back page) F, S, Su SAMPLE SAMPLE Analytical Economics (27 cr) 3 cr Economics (18 cr) F, S, Su F, S, Su Business Economics (24 cr) Business Core (24 cr) Professional Development (3 cr) Environmental & Natural Resource Economics (24 cr) General Economics Math (8-9 cr) = General Education Requirements =Free Elective (8-12 cr) SAMPLE SAMPLE Lab Science (7 cr) CORE (12 cr) 12 total credits of Humanities, Arts and Social Sciences (HASS) HASS (12 cr) 6 must be upper division (3000-4000 level courses) UN1015 and UN1025 are prerequisites for all upper division HASS courses Co-Curricular/PE (3 units) See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ *** ONE Gen Ed CORE: Gen Ed CORE: SEMESTER OF ***UN1025 HN1015 Critical & Creative Social Responsibility & 3000 LEVEL Global Issues Ethical Reasoning Thinking OR HIGHER 3 cr 3 cr 3 cr LANGUAGE 3 cr F. S, Su F, S, Su COURSE CAN F, S, Su REPLACE 16-17 15 16 14-15 16 15 15 12 Academic Co-cur Unit Co-cur Unit Co-cur Unit **Co-cur Unit** Co-cur Unit Co-cur Unit semester

(0.5 UNIT)

F, S, Su

PATHWAY OPTION 1:

Analytical Economics [27- credits]

Boost economic background with data, programming and math skills. A good fit for students interested in going to grad school for economics or want to pursue careers that involve data analytics.

Course #	Course Title	Credit s	Typical Semester Offered
Required C	ourses (13 credit hours)		
EC 4100	Mathematical Economics	3	Spring, odd years
MIS 3100	Business Database Mgmt	3	Fall
MA 2160	Calculus with Technology II	4	All
CS 1121	Introduction to Programming I	3	All
Economics	Electives (9-12 credit hours)		
EC 3300	Industrial Organization	3	Fall
EC 4050	Game Theory	3	Spring
EC 4400	Banking & Financial Institutions	3	Fall
EC 4500	Public Sector Economics	3	On Demand
EC 4710	Labor/Human Resource Economics	3	Spring, even years
EC 5300	Managerial Economics	3	Spring
EC 4900	Research	1-6	On Demand
EC 4990	Special Topics in Economics	1-6	On Demand
Other Elect	ives (2-5 credit hours)		
MIS 2100 or CS1122	Intro to Business Programming or Introduction to Programming II	3	Fall or Any
MIS 4400	Business Intelligence and Analytics	3	Spring
MKT 3600	Marketing Data Analytics	3	Spring
FIN 4600	Financial Technology Foundations	3	Fall
ACC 4000	Accounting Data Analytics	3	Fall
MA 3160	Multivariate Calculus w/ Tech	4	Any
MA 2320 or MA 2321 or MA 2330	Elementary Linear Algebra or Elementary Linear Algebra or Introduction to Linear Algebra	2 or 2 or 3	Any or Fall/Spring or Fall/Spring
MA 3520 or MA 3521 or MA 3530	Elem Differential Equations or Elem Differential Equations or Intro to Differential Equations	2 or 2 or 3	Any or Fall/Spring or Fall/Spring
MA 3720	Probability	3	Fall/Summer
MA 4780	Time Series Analysis & Forecasting	3	
FW 3540 or GE2010	Intro to GIS for Natural Res Mgt or Intro to GIS	4 or 3	Spring or Fall
GE 3250	Computational Geosciences	3	

PATHVAY OPTION 2:

Business Economics [24 credits]

For a strong econ background and round out knowledge of the business fields. A fit for those who want to work in a business environment and collaborate with teammates

from other f	ields or who are interested in pursuing :					
Course #	Course Title	Credi ts	Typical Semester Offered			
Economics Electives (12-15 credit hours)						
EC 3300	Industrial Organization	3	Fall			
EC 4050	Game Theory	3	Spring			
EC 4100	Mathematical Economics	3	Spring, odd years			
EC 4400	Banking and Financial Institutions	3	Fall			
EC 4500	Public Sector Economics	3	On Demand			
EC 4710	Labor/Human Resource Economics	3	Spring, even years			
EC 4900	Research	1-6	On Demand			
EC 4990	Special Topics in Economics	1-6	On Demand			
Business	Electives (9-12 credit hours)					
ACC 2100	Accounting Principles II	3	Fall/Spring			
ACC 3000	Intermediate Accounting I	3	Fall			
MIS 2100	Introduction to Business Programming	3	Fall			
MIS 3000	Business Process Analysis	3	Spring			
MGT 3000	Organizational Behavior	3	Fall/Spring			
MGT 3800	Innovation & Entrepreneurship	3	Fall/Spring			
FIN 4000	Investment Analysis	3	Fall			
FIN 4100	Advanced Financial Management	3	Fall			
FIN 4801	Applied Portfolio Management I	1-3	Summer			
FIN 4802	Applied Portfolio Management II	1-3	Fall			
FIN 4803	Applied Portfolio Management III	1-3	Spring			
MKT 3200	Consumer Behavior & Culture	3	Fall			
MKT 3600	Marketing Data Analytics	3	Spring			
OSM 3150	Introduction to Supply Chain Management	3	Fall			
OSM 3600	Procurement and Supply Management	3	Fall			
ENG 1101	Engineering Analysis & Problem Solving	3	Any			

PATHWAY OPTION 4: General Economics [24 credits] Interested in going to Law School? Choose law and policy courses from social sciences. See connections between econ and engineering? Take advantage of everything MTU has to offer and sign up for the courses that interest you.

Course #	Course Title	Credi ts	Typical Semester Offered
Economi	cs Electives (15-18 credit hours	5)	
EC 3300	Industrial Organization	3	Fall
EC 4050	Game Theory	3	Spring
EC 4100	Mathematical Economics	3	Spring, odd years
EC 4400	Banking & Financial Institutions	3	Fall
EC 4500	Public Sector Economics	3	On Demand
EC 4620	Energy Economics	3	Spring
EC 4630	Mineral Industry Economics	3	On Demand
EC 4640	Natural Resource Economics	3	Fall
EC 4650	Market Failure & Environment	3	Spring
EC 4710	Labor/Human Resource Economics	3	Spring, even years
EC 4900	Research	1-6	On Demand
EC 4990	Special Topics in Economics	1-6	On Demand
Other Free Electives (6-9 credit hours)			
		\top	

PATHWAY OPTION 3:

Environmental & Natural Resource Economics [24 credits] Natural resources and environmental issues. Complement economic training with courses about resources or environmental issues including policy, sustainability, forestry, water systems, mining, and engineering methods. A good fit for work in natural resource industries and management, government agencies, and policy development

Course #	Course Title	Credit s	Typical Semester Offered
Required C	ourses (6 credits)		
EC 4640	Natural Resource Economics	3	Fall
EC 4650	Market Failure & Environment	3	Spring
Economics	Electives (6-12 credit hours)		
EC 3300	Industrial Organization	3	Fall
EC 4050	Game Theory	3	Spring
EC 4100	Mathematical Economics	3	Spring, odd years
EC 4500	Public Sector Economics	3	On Demand
EC 4620	Energy Economics	3	Spring
EC 4630	Mineral Industry Economics	3	On Demand
EC 4710	Labor/Human Resource Economics	3	Spring, even years
EC 4900	Research	1-6	On Demand
EC 4990	Special Topics in Economics	1-6	On Demand
Other Elect	ives (6-12 credit hours)	•	
FW 2081	Intro to Circular Economy	3	Spring
FW 3510	Outdoor Recreation and Tourism	3	Spring
FW 3540 or GE 2010	Intro to GIS for Natural Res Mgt or Intro to GIS	4 or 3	Spring or Fall
FW 4080	Forest Economics and Finance	2	Spring
FW 4545	Map Design with GIS	2	Spring, odd years
SS 3110	Food Systems & Sustainability	3	Fall
SS 3313	Sustainability Science	3	Fall
SS 3315	Population, Health, and the Environment	3	Fall, odd years
SS 3630	Environmental Policy and Politics	3	Spring
SS 3800	Energy Policy and Technology	3	Spring/Summer
BL 4421	Lake Superior Exploration	3	Summer, odd years
GE 2020	Intro to Mining Eng. & Mining Methods	2	Fall
CEE 3502	Environmental Monitoring and Measurement Analysis	3	Spring
CEE 3503	Environmental Engineering	3	Spring

Economics Pathway courses;

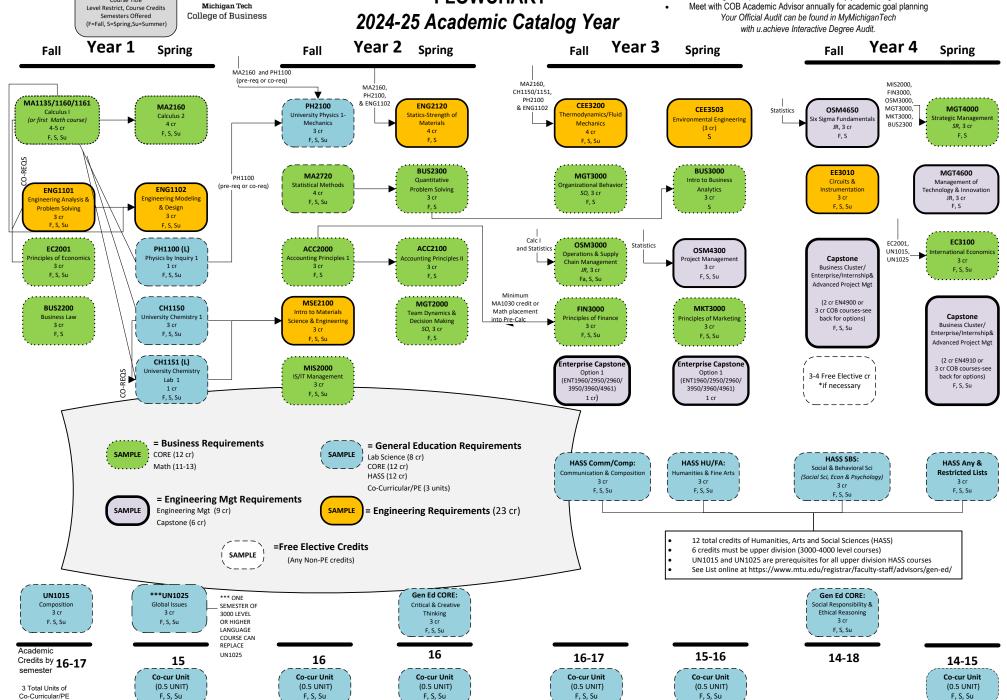
Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Total Academic Credits.: 128 + 3 Co-Curricular Units Course Subject and Number Course Title Level Restrict, Course Credits Semesters Offered (F=Fall, S=Spring,Su=Summer) Michigan Tech College of Business

ENGINEERING MANAGEMENT (BEM) *FLOWCHART

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term



Engineering Undergrads:

There are options to double major/dual degree with Engineering Management. See COB Academic Advisor. Course substitutions will be made for some courses.

Additionally the COB offers Master's Degree options:

MEM, Master's in Engineering Management

(https://www.mtu.edu/business/graduate/engineering-management/) $\label{tensor} TechMBA \circledR \ Program$

(https://www.mtu.edu/business/graduate/techmba/)

Capstone I	Requirements: 6 Credits (choose 1 d	ption below)	
Option 1: Er	nterprise Work (must be completed with	4 semesters)	Typical Semester Offering
ENT 4900	Sr Enterprise Project Work V Non-Capstone	2	Fall/Spring
ENT 4910	Sr Enterprise Project Work VI Non-Capstone	2	Fall/Spring
And select 2 c	ourses below:		
ENT 1960	Enterprise Orientation - Spring	1	Fall/Spring
ENT 2950	Enterprise Project Work I	1	Fall/Spring
ENT 2960	Enterprise Project Work II	1	Fall/Spring
ENT 3950	Enterprise Project Work III	1	Fall/Spring
ENT 3960	Enterprise Project Work IV	1	Fall/Spring
ENT 4961	Enterprise Project Work VII	1	Fall/Spring
Option 2: B	usiness Cluster (select 2 courses with sar	ne prefix)	
ACC 3500	Managerial/Cost Accounting I	3	Spring
and ACC 4500	Managerial/Cost Accounting II	3	On Demand
EC 3300	Industrial Organization	3	Fall
and EC 4200	Econometrics	3	Fall
FIN 4100	Advanced Financial Management	3	Fall
and FIN 4500	Risk Management	3	Spring
MGT 3800	Innovation and Entreprenuership	3	Fall/Spring
and MGT 4650	Commercialization of Advanced Technologies	3	Spring
MIS 3100	Business Database Management	3	Fall
and MIS 3200	Systems Analysis and Design	3	Spring
MKT 4100	Sales and Sales Technology	3	Fall
and MKT 4200	Business to Business Mktg in the Digital Age	3	Spring
OSM 3150	Introduction to Supply Chain Management	3	Fall
and OSM 3600	Procurement & Supply Management	3	Fall
OSM 3150	Introduction to Supply Chain Management	3	Fall
and OSM 4700	Logistics & Transportation Management	3	Spring
Option 3: Bu	siness Internship/Advanced Project Mgt		
BUS 3900	Business Internship	3	Any Semester
OSM 4350	Advanced Project Management	3	Spring (must apply)

*NOTE: Total Academic Credits.: 120 FINANCE (BEIN) Flowchart is a guide for course sequencing recommendations. + 3 Co-Curricular Units COB courses have some flexibility. Note if any pre-requisites or class level required before taking a course. *FLOWCHART Course Subject and Number Actual Degree requirements are determined by your catalog term Course Title Michigan Tech Meet with COB Academic Advisor annually for academic goal planning Level Restrict, Course Credits 2024-25 Academic Catalog Year College of Business Your Official Audit can be found in MyMichiganTech Semesters Offered (F=Fall, S=Spring,Su=Summer) with u.achieve Interactive Degree Audit. Year 2 Spring Year 3 Year 1 Year 4 **Spring** Fall Fall **Spring Spring** Fall Fall MIS2000, OSM3000, MGT3000, MA1160/1161 or Calc I MKT3000, FOCUSED/ BUS3000 MA1135 BUS2300 OSM3000 MA2720 and Statistics FC2001. EC3100 MGT4000 BUS2300 ADDITIONAL Calculus I Operations & Supply UN1015 Statistical Methods ategic Management **ELECTIVE** (or first Math course) Problem Solving Analytics Chain Management UN1025 4 cr SR. 3 cr JR, 3 cr 3 cr 3 cr F, S, Su F, S, Su F, S, Su Fa, S, Su FOCUSEDA FOCUSED/ FOCUSED ELECTIVE EC2001 MIS2000 BUS2200 MKT3000 **FOCUSED ELECTIVE** ADDITIONAL ADDITIONAL rinciples of Economics **Business Law** rinciples of Marketing **ELECTIVE** ELECTIVE 3 cr 3 cr 3 cr 3 cr F. S. Su F, S, Su F, S F, S, Su 3 cr FIN4100 MGT2000 FREE ELECTIVE FREE ELECTIVE ACC2000 ACC2100 MGT3000 **FOCUSED ELECTIVE** Advanced Financial Team Dynamics & Decision Making Management SO. 3 cr SO, 3 cr 3 cr F, S F, S F, S, Su F, S, Su F, S Minimum MA1030 credit or FIN4200 EC4400 Math placement FIN4000 **FOCUSED ELECTIVE** Lab Science Derivatives and (EC3003 or Banking and Financial into Pre-Calc inciples of Financ Investment Analysis FIN3000). 4 cr Financial Engineering Institutions 3 cr UN1015 and F, S, Su 3 cr 3 cr 3 cr F, S, Su UN1025 Lab Science F, S, Su HASS SBS: HASS HU/FA: HASS Comm/Comp: HASS Any & Social & Rehavioral Sci. Restricted Lists Communication & Composition Humanities & Fine Arts (Social Sci, Econ & Psychology) 3 cr 3 cr = Business Requirements F, S, Su F, S, Su F, S, Su = General Education Requirements F, S, Su CORE (42 cr) Lab Science (7 cr) MATH (8-9 cr) CORE (12 cr) HASS (12 cr) Co-Curricular/PE (3 units) SAMPLE = Major Requirements (33 cr) SAMPLE =Free Elective Credits 12 total credits of Humanities, Arts and Social Sciences (HASS) 6 credits must be upper division (3000-4000 level courses) (Any Non-PE credits) UN1015 and UN1025 are prerequisites for all upper division HASS courses See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ Gen Ed CORE: Gen Ed CORE: ***UN1025 HN1015 Social Responsibility & Critical & Creative *** ONE Global Issues Ethical Reasoning Thinking 3 cr 3 cr SEMESTER OF 3 cr 3000 LEVEL F. S, Su F, S, Su F, S, Su F, S, Su OR HIGHER LANGUAGE COLIRSE CAN Academi **16-17** 15 16 16 15 15 15-16 12

REPLACE

UN1025

Co-cur Unit

(0.5 UNIT)

F, S, Su

Co-cur Unit

(0.5 UNIT))

F, S, Su

Co-cur Unit

(0.5 UNIT)

F, S, Su

Co-cur Unit

(0.5 UNIT))

F, S, Su

Co-cur Unit

F, S, Su

(0.5 UNIT)

REQ 8

Credits by

semester

3 Total Units of

Co-Curricular/PE

Co-cur Unit

(0.5 UNIT)

F, S, Su

Finance Elective Courses

Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Focused Electives: 12-21 credits			Typical Semester Offered
FIN 4300	Personal Financial Planning	3	Spring
*FIN 4400	Equity Analysis	3	On Demand
FIN 4500	Risk Management	3	Spring
FIN 4600	Financial Technology Foundations	3	Fall
FIN 4700	Global Finance	3	Fall
FIN 4801	Applied Portfolio Management I	1-3	Summer
FIN 4802	Applied Portfolio Management II	1-3	Fall
FIN 4803	Applied Portfolio Management III	1-3	Spring
*FIN 4990	Special Topics in Finance	3	On Demand

Additiona	l Electives: 0-9 credits		
ACC 3000	Intermediate Accounting I	3	Fall
ACC 3100	Intermediate Accounting II	3	Spring
ACC 3600	Foundations of Taxation	3	Fall
ACC 4100	Audit and Assurance	3	Fall
BUS 3900	Business Internship	1-5	Any Semester (must apply)
EC 3002	Microeconomic Theory	3	Spring
EC 4050	Game Theory/Strategic Behavior	3	Spring
EC 4200	Econometrics	3	Fall
MA 2160	Calculus with Technology II	4	Any Semester
MGT 4600	Mgmt of Technology and Innovation	3	Any Semester
MIS 2100	Introduction to Business Programming	3	Fall
MIS 3100	Business Database Management	3	Fall
MIS 4000	Emerging Technologies	3	Fall
MKT 3600	Marketing Data Analytics	3	Spring
MKT 4100	Sales and Sales Technology	3	Fall

Total Academic Credits.: 120 + 3 Co-Curricular Units

Course Subject and Number
Course Title
Level Restrict, Course Credits
Semesters Offered
(F=Fall, S=Spring,Su=Summer)

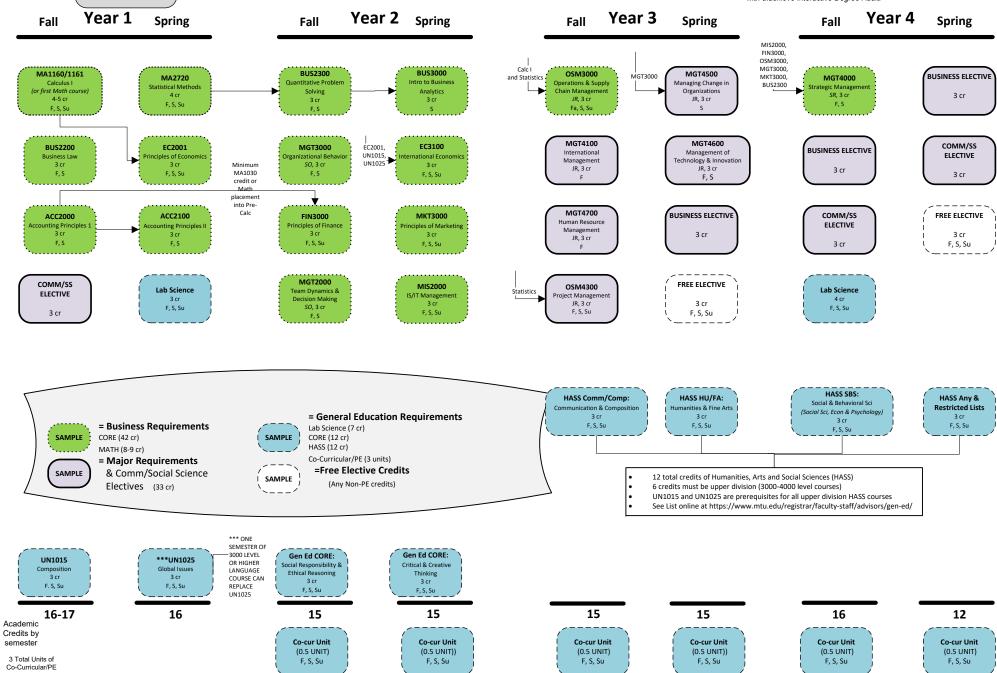


MANAGEMENT (BMGT) *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.



Busines	s Electives: 9 credits		Typical Semester Offered
BUS 3900	Business Internship	1-5	Any Semester (must apply)
BUS 4991	Business Development Experience I	3	On Demand
BUS 4992	Business Development Experience II	3	On Demand
MGT 3100	Leadership Development	3	Fall
MGT 3650	Intellectual Property Management	3	Spring (even years)
MGT 3800	Innovation and Entrepreneurship	3	Fall/Spring
MGT 4990	Special Topics in Management	1-6	On Demand
OSM 3150	Intro to Supply Chain Management	3	Fall
OSM 4350	Advanced Project Management	3	Spring (must apply)
OSM 4650	Six Sigma Fundamentals	3	Fall/Spring
Enterprise	Work variable credits of 1-2 credits; max	of 6:	
ENT1960, EN	NT2950, ENT2960, ENT3950, ENT3960, ENT490	0, ENT4961	
Commu	nication & Social Science Electiv	es: 9 credits	
EC 3300	Industrial Organization	3	Fall
ENG 4515	Sustainable Futures I	3	Fall
HU 2820	Communication and Culture	3	Any Semester
HU 2840	Interpersonal Communication	3	Fall
HU 3120	Technical & Professional Communication	3	Any Semester
HU 3840	Organizational Communication	3	Spring
HU 3850	Cultural Studies	3	Fall (odd years)
PSY 2000	Introduction to Psychology	3	Any Semester
PSY 2200	Behavior Modification	3	Fall (even years)
PSY 4010	Cognitive Psychology	3	Fall
PSY 4340	Culture and Cognition	3	Fall (odd years)

Management Elective Courses
Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

*NOTE: MANAGEMENT (BMG2) Flowchart is a guide for course sequencing recommendations. Total Academic Credits.: 123 COB courses have some flexibility. Note if any pre-requisites or class level required before taking a course. + 3 Co-Curricular Units w/Concentration in Entrepreneurship Actual Degree requirements are determined by your catalog term Meet with COB Academic Advisor annually for academic goal planning Course Title *FLOWCHART Level Restrict, Course Credits Your Official Audit can be found in MyMichiganTech Semesters Offered Michigan Tech with u.achieve Interactive Degree Audit. 2024-25 Academic Catalog Year (F=Fall, S=Spring,Su=Summer) College of Business Year 2 Year 1 Year 4 Spring Fall Fall Fall **Spring** Fall **Spring** Spring MISSONO Calc I MGT4700 FIN3000 BUS2300 BUS3000 OSM3000 BUS2200 MA2720 EC3100 MGT4000 and Statistics FC2001 OSM3000. Operations & Supply Human Resource **Business Law** Statistical Methods national Economic tegic Management UN1015,-MGT3000. Chain Management Management Solving Analytics 3 cr MKT3000, SR. 3 cr HN1025 Junior, 3 cr Junior, 3 cr 3 cr 3 cr F, S F, S, Su F, S, Su BUS2300 F, S Fa, S, Su MGT4500 MA1135/1160/1161 MGT2000 CONCENTRATION CONCENTRATION MGT3000 OSM4300 MGT3000 Managing Change in Project Management **ELECTIVE ELECTIVE** ciples of Econon (or first Math course) Decision Making Organizations SO, 3 cr Junior, 3 cr 3 cr Junior, 3 cr SO. 3 cr F. S. Su F, S F, S, Su 3 cr 3 cr Minimum MGT4100 *MGT4300 FREE ELECTIVE CONCENTRATION ACC2000 ACC2100 FIN3000 *MGT3650 MA1030 Dvlp Entrepreneurial International **ELECTIVE** credit or nciples of Finance Intellectual Prop Men Management Ventures Math 3 cr Junior, 3 cr SO, 3 cr placement F, S, Su F, S F, S, Su 3 cr into Pre-Calc MGT4600 *MGT4650 *MGT3800 MKT3000 FREE ELECTIVE MIS2000 Commercialization of Lab Science Innovation & **Lab Science** rinciples of Marketing Technology & Innovation Advanced Technologies Entrepreneurshin Junior, 3 cr Junior, 3 cr 3 cr SO. 3 cr F. S. Su F, S, Su F. S. Su F, S, Su F, S F, S HASS SBS: HASS Comm/Comp: HASS HU/FA: HASS Any & Social & Rehavioral Sci Restricted Lists Communication & Composition Humanities & Fine Arts (Social Sci, Econ & Psychology) = General Education Requirements 3 cr 3 cr = Business Requirements Lab Science (7 cr) F, S, Su F, S, Su F, S, Su F, S, Su CORE (12 cr) SAMPLE CORE (42 cr) HASS (12 cr) MATH (8-9 cr) Co-Curricular/PE (3 units) = Major and *Concentration Requirements SAMPLE =Free Elective Credits SAMPLE 12 total credits of Humanities, Arts and Social Sciences (HASS) (33 cr) (Any Non-PE credits) 6 credits must be upper division (3000-4000 level courses) UN1015 and UN1025 are prerequisites for all upper division HASS courses See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ Gen Ed CORE: Gen Ed CORE: ** ONF ***UN1025 HN1015 Critical & Creative SEMESTER OF Social Responsibility & Ethical Reasoning Thinking 3000 LEVEL 3 cr 3 cr 3 cr OR HIGHER 3 cr F. S, Su F, S, Su LANGUAGE F, S, Su F, S, Su COURSE CAN REPLACE Academic **16-17** 15 16 UN1025 15 16 15 15 15 Credits by semester Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit 3 Total Units of (0.5 UNIT) (0.5 UNIT)) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT)) Co-Curricular/PE

F, S, Su

Management with Entrepreneurship Elective Courses

Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Concentration Electives (select 9 credits)			Typical Semester Offered
ACC 3500	Managerial/Cost Accounting I	3	Spring
BUS 3900	Business Internship	1-5	Any Semester (must apply)
EC 3300	Industrial Organization	3	Fall
MGT 3100	Leadership Development	3	Fall
MGT 4990	Special Topics in Management	1-6	On Demand
MKT 3600	Marketing Data Analytics	3	Spring
MKT 4200	Business to Business Mktg in the Digital Age	3	Spring
OSM 3150	Intro to Supply Chain Management	3	Fall
OSM 4350	Advanced Project Management	3	Spring (must apply)
Or a 3 credit elective course above may be replaced by			
three 1-cre	dit courses below:		
ENT 3954	Enterprise Market Principles	1	Fall/Spring
ENT 3958	Ethics in Eng Design & Implementation	1	Fall/Spring
ENT 3963	Deliver: Explore, Develop, Execute!	1	Spring
ENT 4951	Business Plans & Budgeting in the Enterprise	1	
ENT 4954	Global Competition	1	
Enterprise Work variable credits of 1-2 credits; max of 6:			
ENT1960, ENT2950, ENT2960, ENT3950, ENT3960, ENT4900, ENT4961			

Total Academic Credits.: 120 + 3 Co-Curricular Units

Course Subject and Number Course Title Level Restrict, Course Credits Semesters Offered (F=Fall, S=Spring,Su=Summer)



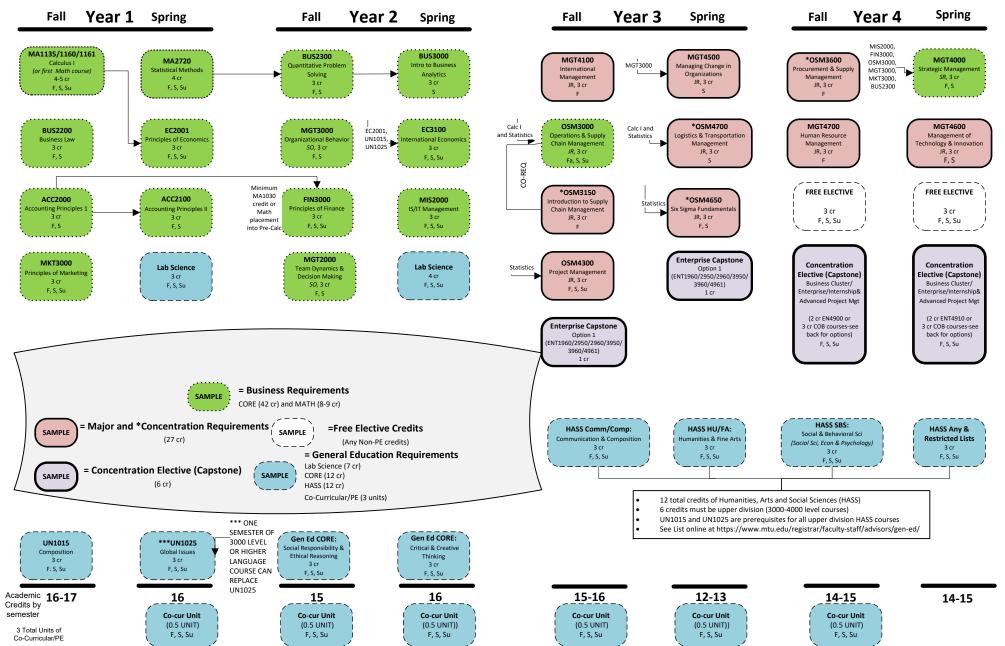
MANAGEMENT (BMG1)

w/Concentration in Supply Chain & Operations Management *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.



Management with Supply Chain & Operations Management Elective Courses Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Concentrati	on Capstone: 6 Credits (choose 1 opt	ion below)	
Option 1: Ent	Typical Semester Offering		
ENT 4900	Sr Enterprise Project Work V Non-Capstone	2	Fall/Spring
ENT 4910	Sr Enterprise Project Work VI Non-Capstone	2	Fall/Spring
And select 2 co	urses below:		
ENT 1960	Enterprise Orientation - Spring	1	Fall/Spring
ENT 2950	Enterprise Project Work I	1	Fall/Spring
ENT 2960	Enterprise Project Work II	1	Fall/Spring
ENT 3950	Enterprise Project Work III	1	Fall/Spring
ENT 3960	Enterprise Project Work IV	1	Fall/Spring
ENT 4961	Enterprise Project Work VII	1	Fall/Spring
Option 2: Bus	siness Cluster (select 2 courses with same	prefix)	
ACC 3500	Managerial/Cost Accounting I	3	Spring
and ACC 4500	Managerial/Cost Accounting II	3	On Demand
EC 3300	Industrial Organization	3	Fall
and EC 4200	Econometrics	3	Fall
FIN 4100	Advanced Financial Management	3	Fall
and FIN 4500	Risk Management	3	Spring
MGT 3800	Innovation and Entreprenuership	3	Fall/Spring
and MGT 4650	Commercialization of Advanced Technologies	3	Spring
MIS 3100	Business Database Management	3	Fall
and MIS 3200	Systems Analysis and Design	3	Spring
MKT 4100	Sales and Sales Technology	3	Fall
and MKT 4200	Business to Business Mktg in the Digital Age	3	Spring
Option 3: Bus	iness Internship/Advanced Project Mgt		
BUS 3900	Business Internship	3	Any Semester (must apply)
OSM 4350	Advanced Project Management	3	Spring (must apply)

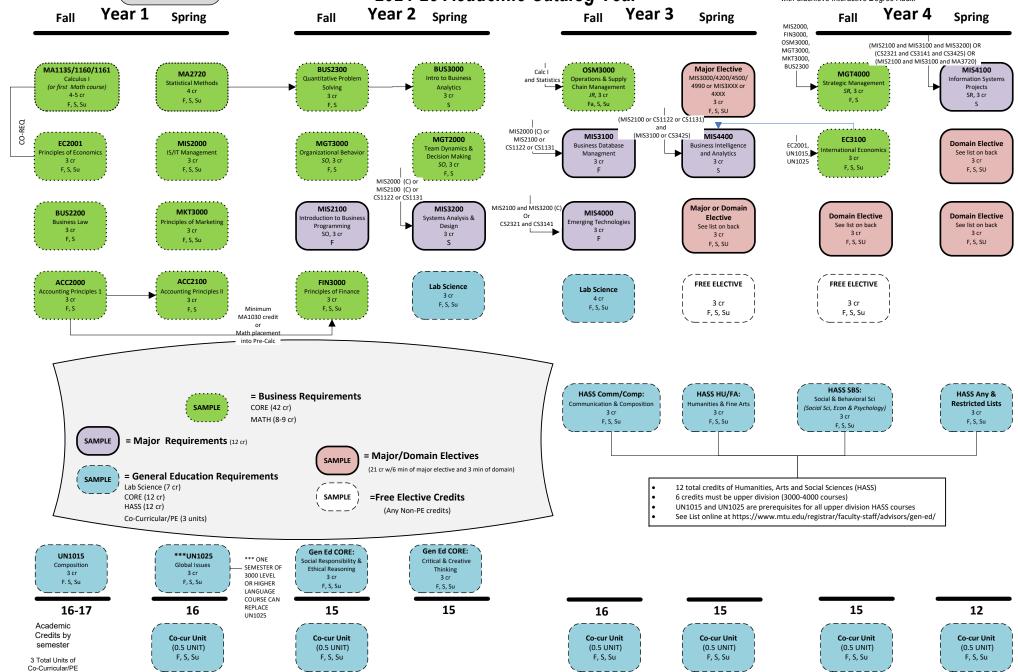
Total Academic Credits.: 120 + 3 Co-Curricular Units Course Subject and Number Course Title Level Restrict, Course Credits Semesters Offered ([=Fall, S=Spring,Summer) College of Business

MANAGEMENT INFORMATION SYSTEMS (BMIS) *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.



Management Information Systems (MIS) Elective Courses Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

MIS Elect			
Electives	Typical Semester Offered		
MIS 3000	Business Process Analysis	3	Spring
MIS 4200	Management of Cyber Security	3	Fall
MIS 4500	Systems Design for Innovation & Entrepreneurship	3	Fall (odd years)
*MIS 4990	Special Topics in MIS	3	On Demand
MISXXXX	Any 3000 or 4000 Level course not listed	3	On Demand

	Computing Domain Knowledge		
CS 1121	Intro to Programming 1	3	Any Semester
CS 1122	Intro to Programming 2	3	Any Semester
CS 1131	Accelerated Intro to Programming	5	Fall
CS 2311	Discrete Structures	3	Fall/Spring
CS 2321	Data Structures	3	Fall/Spring
CS 4821	Data Mining	3	Spring
	Experiential Domain Knowledge		
BUS 3900	Business Internship	1-5	Any Semester (must b
ENT 1960	Enterprise Orientation-Spring	1	Fall/Spring
ENT 2950	Enterprise Project Work I	1	Fall/Spring
ENT 2960	Enterprise Project Work II	1	Fall/Spring
ENT 3950	Enterprise Project Work III	1	Fall/Spring
ENT 3960	Enterprise Project Work IV	1	Fall/Spring
ENT 4961	Enterprise Project Work VII	1	Fall/Spring
ENT 4900	Senier Enterprise Project Work V Non-Capstone	2	Fall/Spring
ENT 4910	Sonier Enterprise Project Work VI Non-Capstone	2	Fall/Spring

	Domain Knowledge Electives:		
9-	12 credits from ONE domain are	a	
	Accounting Domain Knowledge		
ACC4000	Accounting Data Analytics	3	Fall
ACC 4100	Audit and Assurance	3	Fall
ACC 4800 ACCXXXX	Accounting Systems Any 3000 or 4000 level ACC Course	3	Foll Any Semester
ACCAAAA	Finance Domain Knowledge	3	Any semester
FIN 4000	Investment Analysis	3	Fall
FIN 4100	Advanced Financial Management	3	Fall
FIN 4600	Financial Technology Foundations	3	Spring
FINXXXX	Any 3000 or 4000 level FIN Course	3	Any Semester
	Management Domain Knowledge		
MGT 4500	Managing Change in Organizations	3	Spring
MGT 4600	Management of Techology & Innovation	3	Any Semester
OSM 4300	Project Management	3	Any Semester
MGTXXXX	Any 3000 or 4000 level MGT Course	3	Any Semester
	Marketing Domain Knowledge		
MKT 3600	Marketing Data Analytics	3	Spring
MKT 4100	Sales and Sales Technology	3	Fall
MKT 4500	Digital Media Marketing	3	Spring
MKTXXXX	Any 3000 or 4000 level MKT Course	3	Any Semester
Supply Cl	hain & Operations Management Domain K	nowledge	
000 M2O	Procurement and Supply Management	3	Fall
OSM 4650	Six Sigma Fundamentals	3	Fall/Spring
OSM 4700	Logistics and Transporation Management	3	Spring
OSMXXXX	Any 3000 or 4000 level OSM Course	3	Any Semester
	Knowledge		
EC 4200	Econometrics	3	Fall
MA 2330	Introduction to Linear Algebra	3	Fall/Spring
MA 3740	Statistical Programming and Analysis	3	Full/Spring
MA 4710	Regression Analysis	3	Fall
Networkii	ng and Cyber Security Domain Kr	nowledge	
SAT 2343	Networking Administration 1	3	Fall/Summer
SAT 2711	Linux Fundamentals	3	Fall/Summer
SAT 3310	Scripting for Administration, Automation & Socurity	3	Spring/Summer
SAT 3812	Cyber Security 1	3	Spring/Summer
Не	ealth Informatics Domain Knowled	ge	
SAT 4001	Intro to Health Informatics	3	Unknown
SAT 4114	Artifical Intelligence in Healthcare	3	Spring
SAT 4141	Clinical Decision Making	3	Unknown
SAT 4650	Introduction to Applied Computing in Python	3	Fall/Spring

Total Academic Credits.: 120 + 3 Co-Curricular Units

Course Subject and Number
Course Title
Level Restrict, Course Credits
Semesters Offered
(F=Fall, S=Spring,Su=Summer)



MARKETING (BMKT) *FLOWCHART

2024-25 Academic Catalog Year

*NOTE:

- Flowchart is a guide for course sequencing recommendations.
- COB courses have some flexibility.
- Note if any pre-requisites or class level required before taking a course.
- Actual Degree requirements are determined by your catalog term
- Meet with COB Academic Advisor annually for academic goal planning Your Official Audit can be found in MyMichiganTech with u.achieve Interactive Degree Audit.

Year 2 Spring Year 3 Year 1 Year 4 **Spring** Fall **Spring** Fall **Spring** Fall MIS2000, MKT3200, FIN3000, MKT3600, OSM3000 MKT4300 (C) Calc I BUS3000 MA1135/1160/1161 BUS2300 OSM3000 MGT3000, MA2720 and Statistics **FOCUSED** MGT4000 MKT4700 Operations & Supply ELECTIVE Statistical Methods tegic Management BUS2300 Marketing Strategy (or first Math course) Chain Management Solving Analytics 4 cr 3 cr SR 3 cr 3 cr JR, 3 cr 3 cr 3 cr F, S, Su F, S, Su Fa, S, Su MKT3000 FOCUSED or MKT3200 FOCUSED or FOCUSED or FOCUSED MKT3000 EC2001 ADDITIONAL ADDITIONAL ADDITIONAL Consumer Behavior & Lab Science **ELECTIVE** Principles of Marketing ciples of Economics ELECTIVE **ELECTIVE** ELECTIVE Culture 3 cr 3 cr 3 cr 3 cr F, S, Su 3 cr 3 cr 3 cr F, S, Su F. S. Su EC2001 MKT3000 FOCUSED or MGT2000 UN1015, MKT4300 EC3100 FREE ELECTIVE BUS2200 MIS2000 MGT3000 ADDITIONAL Team Dynamics & UN1025 **Business Law** IS/IT Management anizational Behavio Global Marketing **ELECTIVE** SO, 3 cr 3 cr 3 cr 3 cr 3 cr F, S F, S, Su F, S, Su FREE ELECTIVE FOCUSED MKT3600 **ELECTIVE** Statistics & ACC2100 FIN3000 MKT3000 Marketing Data 3 cr 3 cr counting Principles I Principles of Finance Analytics F, S, Su 3 cr 3 cr 3 cr F, S, Su F, S Minimum HASS SBS: MA1030 credit or HASS Comm/Comp: HASS HU/FA: HASS Any & **Lab Science** Social & Rehavioral Sci Math placement Communication & Composition Humanities & Fine Arts **Restricted Lists** into Pre-Calc (Social Sci, Econ & Psychology) 3 cr 3 cr 3 cr F, S, Su = General Education Requirements = Business Requirements Lab Science (7 cr) SAMPLE SAMPLE CORE (42 cr) CORE (12 cr) HASS (12 cr) MATH (8-9 cr) Co-Curricular/PE (3 units) = Major Requirements =Free Elective Credits SAMPLE SAMPLE (33 cr) (Any Non-PE credits) 12 total credits of Humanities, Arts and Social Sciences (HASS) 6 credits must be upper division (3000-4000 courses) UN1015 and UN1025 are prerequisites for all upper division HASS courses See List online at https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/ *** ONE Gen Ed CORE: Gen Ed CORE: SEMESTER OF ***UN1025 UN1015 Critical & Creative Social Responsibility & 3000 LEVEL Global Issues Ethical Reasoning Thinking OR HIGHER 3 cr 3 cr LANGUAGE 3 cr 3 cr F. S, Su F, S, Su COURSE CAN F, S, Su F, S, Su REPLACE UN1025 16 16-17 16 15 15 15 12 15 Academic Credits by Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit Co-cur Unit semester (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) (0.5 UNIT) 3 Total Units of F, S, Su Co-Curricular/PE

OFFERED SPRING 2025[

Marketing Elective Courses
Refer to the online Course Descriptions for further detail, descriptions, pre-requisites, etc.

Marketing Electives: 21 credits			Typical Semester Offered
Focused Electives: 9-21 credits			
MGT 4600	Management of Technology & Innovation	3	Any Semester
MIS 3100	Business Database Management	3	F _{all}
*MKT 3400	Intregrated Marketing Communications	3	On Demand
MKT 4100	Sales and Sales Technology	3	Fall
MKT 4200	Business to Business Mktg in a Ditigal Age	3	Spring
MKT 4500	Digital Media Marketing	3	Spring
*MKT 4990	Special Topics in Marketing	1-6	On Demand
OSM 4300	Project Management	3	Any Semester
Additional Electives: 0-12 credits			
ACC 3500	Managerial/Cost Accounting I	3	Spring
BUS 3900	Business Internship	1-5	Any Semester (must apply)
*BUS 4991	Business Development Experience I	3	On Demand
*BUS 4992	Business Development Experience II	3	On Demand
EC 3300	Industrial Organization	3	Fall
EC 4200	Econometrics	3	Fall
FIN 4000	Investment Analysis	3	Fall
MGT 3100	Leadership Development	3	Fall
MGT 3800	Innovation and Entrepreneurship	3	Fall/Spring
OSM 3150	Intro to Supply Chain Management	3	Fall
	Work variable credits of 1-2 credits; max of	of 6:	
ENT1960, EN	T2950, ENT2960, ENT3950, ENT3960, ENT4900, E	NT4961	