BS in Economics (BEC)
COB Audit Worksheet for Catalog 2024-2025*

Student Name: **Graduation Semester Goal:**

Economics Core Requirements:18 credits		
Course #	**Course Title**	**Credits**
EC 2001	Principles of Economics	3
EC 3002	Microeconomic Theory	3
EC 3003	Macroeconomic Theory	3
EC 3100	International Economics	3
EC 3400 or FIN 3000	Economic Decision Analysis or Principles of Finance	3
EC 4200	Econometrics	3

Professional Development Elective: 3 credits		
HU 3120	Technical and Professional Communic	3
HU 2830	Public Speaking & Multimedia	3
BUS 3900	Business Internship	3

Math Requirements: 8-9 credits		
MA 1135 or	Calculus for Life Sciences	4
MA 1160 or	Calculus with Technology I	4
MA1161	Calculus Plus with Technology	5
MA 2720	Statistical Methods	4

Lab Science Requirements: 7credits		
BL / Biology , CH / Chemistry , EH / Exercise Science , FW / Forestry , GE / Geology , PH / Physics , SS / Social Science		
Students must complete two science courses in two different disciplines, from the Science Course List; at least one of these must include or be taken with the accompanying laboratory.		

Business Core Requirements: 24 credits		
Course #	**Course Title**	**Credits**
ACC 2000	Principles of Accounting 1	3
BUS 2200	Business Law	3
BUS 2300	Quantitative Problem Solving	3
BUS 3000	Intro to Business Analytics	3
MGT 2000	Team Dynamics & Decision Making	3
MKT 3000	Principles of Marketing	3
MIS 2000	IS/IT Management	3
OSM 3000	Operations & Supply Chain Managem	3

Economics Pathway: 24-27 credits	
The Pathways fulfills 24-27 credits for your degree. In consultation with your advisor or Economics faculty; choose 1 of 4 options. See details for options on attached page.	
Analytical Economics	27
Business Economics	24
Environmental and Natural Resource Economics	24
General Economics	24

General Econ Free Electives 8-12 credits		

*ON DEMAND Course= no predicted offering; see advisor if interested

* Not the official audit form.
The Registrar's audit can be found at: http://www.mtu.edu/registrar/students/major-degree/audit/business/
For official degree progress run an audit in MyMichiganTech under "Current Students" by accessing "Undergraduate Degree Audit"

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Student Name: **Graduation Semester Goal:**

GENERAL EDUCATION Core and HASS (24 Credits)		
General Education Core: 12 credits		
Course #	**Course Title**	**Credits**
UN 1015	Composition	3
UN 1025	Global Issues or upper level modern langu	3
	Critical and Creative Thinking	3
	Social Responsibility & Ethical Reason	3
HASS: 12 Credits		
□ Students must complete 12 credits of HASS course work □ Six of the 12 credits must be upper level of 3000 or 4000 □ At least three credits each in the following: Communication/Comp, Humanities and Fine Arts and Social & Behavioral Sciences. □ No more than three credits may come from the restricted list		
	Communication/Composition	3
	Humanities and Fine Arts	3
	Social and Behavioral Sciences	3
	Course from any list above or Restricte	3

Co-curricular Activities: 3 credits/units		
Required for graduation, but not included in the GPA calcuation or in the overall credits required for the degree. *Courses range from 1.0 - 0.5 credits*		

Completed Credit Count

Economics Core_____

Business Core _____

Professional Development _____

General Econ Free Electives_____

Economics Pathway _____

Math _____

Gen Ed Lab Science _____

Gen Ed Core & HASS _____

Total Academic Credits Required: 120

Co-curricular Activities_____

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Student Name: **Graduation Semester Goal:**

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	Credits
Required Courses (13 credit hours)		
EC 4100	Mathematical Economics	3
MIS 3100	Business Database Mgmt	3
MA 2160	Calculus with Technology II	4
CS 1121	Introduction to Programming I	3
Economics Electives (9-12 credit hours)		
EC 3300	Industrial Organization	3
EC 4050	Game Theory	3
EC 4400	Banking & Financial Institutions	3
EC 4500	Public Sector Economics	3
EC 4710	Labor/Human Resource Economics	3
EC 5300	Managerial Economics	3
EC 4900	Research	1-6
EC 4990	Special Topics in Economics	1-6
Other Electives (2-5 credit hours)		
MIS 2100 or CS1122	Intro to Business Programming or Introduction to Programming II	3
MIS 4400	Business Intelligence and Analytics	3
MKT 3600	Marketing Data Analytics	3
FIN 4600	Financial Technology Foundations	3
ACC 4000	Accounting Data Analytics	3
MA 3160	Multivariate Calculus w/ Tech	4
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
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
MA 3720	Probability	3
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
GE 3250	Computational Geosciences	3

PATHWAY 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 fields or who are interested in pursuing an MBA.

Course #	Course Title	Credits
Economics Electives (12-15 credit hours)		
EC 3300	Industrial Organization	3
EC 4050	Game Theory	3
EC 4100	Mathematical Economics	3
EC 4400	Banking and Financial Institutions	3
EC 4500	Public Sector Economics	3
EC 4710	Labor/Human Resource Economics	3
EC 4900	Research	1-6
EC 4990	Special Topics in Economics	1-6
Business Electives (9-12 credit hours)		
ACC 2100	Accounting Principles II	3
ACC 3000	Intermediate Accounting I	3
MIS 2100	Introduction to Business Programming	3
MIS 3000	Business Process Analysis	3
MGT 3000	Organizational Behavior	3
MGT 3800	Innovation & Entrepreneurship	3
FIN 4000	Investment Analysis	3
FIN 4100	Advanced Financial Management	3
FIN 4801	Applied Portfolio Management I	1-3
FIN 4802	Applied Portfolio Management II	1-3
FIN 4803	Applied Portfolio Management III	1-3
MKT 3200	Consumer Behavior & Culture	3
MKT 3600	Marketing Data Analytics	3
OSM 3150	Introduction to Supply Chain Management	3
OSM 3600	Procurement and Supply Management	3
ENG 1101	Engineering Analysis & Problem Solving	3

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Student Name: **Graduation Semester Goal:**

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

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	Credits
Economics Electives (15-18 credit hours)		
EC 3300	Industrial Organization	3
EC 4050	Game Theory	3
EC 4100	Mathematical Economics	3
EC 4400	Banking & Financial Institutions	3
EC 4500	Public Sector Economics	3
EC 4620	Energy Economics	3
EC 4630	Mineral Industry Economics	3
EC 4640	Natural Resource Economics	3
EC 4650	Market Failure & Environment	3
EC 4710	Labor/Human Resource Economics	3
EC 4900	Research	1-6
EC 4990	Special Topics in Economics	1-6
Other Free Electives (6-9 credit hours)		