



Bachelor of Science

Major: Operations Management

2024-2025 Sample 4-Year Plan

Total Degree Requirements: 120 credits

Student _____ Student ID# _____ Student Phone # _____

Advisor _____ Minimum GPA 2.0 Minor/Career Interest(s) _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the Undergraduate Catalog.

FIRST YEAR

Fall

Table with 6 columns: Prefix + Number, Course Title, Prerequisites/Comments, Credits, Semester, Grade. Rows include CM 130, ENGL 101, ECON 119 or GE 101, GE 121, GE 123, MATH 121- 121L or MATH 123- 123L, and Total Credit Hours (14).

Spring

Table with 6 columns: Prefix + Number, Course Title, Prerequisites/Comments, Credits, Semester, Grade. Rows include CHEM 106- 106L, CMST 101, ECON 201, ET 210- 210L, SGR #4, and Total Credit Hours (17).

SECOND YEAR

Electronics Emphasis

Fall

Table with 6 columns: Prefix + Number, Course Title, Prerequisites/Comments, Credits, Semester, Grade. Rows include ET 220- 220L, ET 232- 232L, PHYS 101- 101L, SGR #3, SGR #4, and Total Credit Hours (17).

Spring

Table with 6 columns: Prefix + Number, Course Title, Prerequisites/Comments, Credits, Semester, Grade. Rows include ACCT 210, ECON 202, ENGL 277, MNET 367- 367L, STAT 281, and Total Credit Hours (15).

Manufacturing Emphasis

Fall

Table with 6 columns: Prefix + Number, Course Title, Prerequisites/Comments, Credits, Semester, Grade. Row includes ACCT 210.

Information Subject to Change. This is not a contract.

p. = Course Prerequisite; c. = Course Co-requisite Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ENGL 277	Technical Writing in Engineering (SGR #1)	p. ENGL 101	3		
MNET 231- 231L	Manufacturing Processes I and Lab		3		
PHYS 101- 101L	Survey of Physics and Lab (SGR #6)		4		
SGR #3	Social Sciences		3		
Total Credit Hours			16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ECON 202	Macroeconomics		3		
MNET 367- 367L	Production Strategy and Lab	p. MNET 150 or MNET 231 or ET 232/L	3		
SGR #4	Arts and Humanities		3		
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 103 or higher	3		
Technical Elective			3		
Total Credit Hours			15		

Supply Chain Management Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ACCT 210	Principles of Accounting I		3		
ENGL 277	Technical Writing in Engineering (SGR #1)	p. ENGL 101	3		
ET 232-232L or MNET 231-231L	Digital Electronics and Microprocessors & Lab or Manufacturing Processes I & Lab	p. ET 210/L	3		
PHYS 101- 101L	Survey of Physics and Lab (SGR #6)		4		
SGR #3	Social Sciences		3		
Total Credit Hours			16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BLAW 350	Legal Environment of Business		3		
ECON 202	Macroeconomics		3		
MNET 367- 367L	Production Strategy and Lab	p. MNET 150 or MNET 231 or ET 232/L	3		
SGR #4	Arts and Humanities		3		
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 103 or higher	3		
Total Credit Hours			15		

THIRD YEAR

Electronics Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360	Organization and Management		3		
BLAW 350 or MKTG 370	Legal Environment of Business or Marketing		3		
CSC 325	Management Information Systems		3		
ECON 319	Seminar with Industry Leaders		1		
ET 330- 330L	Microcontrollers and Networks and Lab	p. ET 232/L and CSC 150 or OM 240	3	SP	
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Total Credit Hours			16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 380- 380L	Circuit Boards and Design and Lab	p. ET 220/L	3		
GE 231	Technology, Society, and Ethics		3		
OM 425 or OM 465	Production and Operations Management or Quality Control Applications	p. STAT 281 and MNET 367/L or p. OM 462, STAT 281 or STAT 381	3		
OM 462	Quality Management	p. STAT 281 or STAT 381	3		
OM 490	Seminar		1		

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Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
OM 494	Internship	c. consent	1		
Total Credit Hours			14		

Manufacturing Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360	Organization and Management		3		
ET 451- 451L	Industrial Controls and PLCs and Lab	p. ET 210/L	3		
GE 425	Occupational Safety and Health Management		3		
MKTG 370	Marketing		3		
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Total Credit Hours			15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CSC 325	Management Information Systems		3		
ECON 319	Seminar with Industry Leaders		1		
GE 231	Technology, Society, and Ethics		3		
OM 425	Production and Operations Management	p. STAT 281 and MNET 367/L	3		
OM 462	Quality Management	p. STAT 281 or STAT 381	3		
Total Credit Hours			13		

Supply Chain Management Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360	Organization and Management		3		
CSC 325	Management Information Systems		3		
ET 451- 451L	Industrial Controls and PLCs and Lab	p. ET 210/L	3		
GE 425	Occupational Safety and Health Management		3		
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Total Credit Hours			15		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ECON 319	Seminar with Industry Leaders		1		
GE 231	Technology, Society, and Ethics		3		
MKTG 370	Marketing		3		
OM 425	Production and Operations Management	p. STAT 281 and MNET 367/L	3		
OM 462	Quality Management	p. STAT 281 or STAT 381	3		
Total Credit Hours			13		

FOURTH YEAR

Electronics Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 451- 451L	Industrial Controls and PLCs and Lab	p. ET 210/L	3		
GE 425	Occupational Safety and Health Management		3		
GE 470	Project Management	p. ENGL 201 or ENGL 277, senior standing, or instructor approval	2		
MNET/OM 460	Engineering Economic Analysis	p. MATH 114	3		
OM 463	Supply Chain Management	p. >=C OM 425; STAT 281 or STAT 318	3		
Total Credit Hours			14		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
GE 471	Capstone Experience	p. GE 470	2		
HRM 460	Human Resource Management	p. BADM/MGMT 360	3		

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Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MNET 468	Manufacturing Plant Management	p. MNET 367/L	3		
Technical Elective			5		
Total Credit Hours			13		

Manufacturing Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BLAW 350	Legal Environment of Business		3		
GE 470	Project Management	p. ENGL 201 or ENGL 277; senior standing, or instructor approval	2		
HRM 460	Human Resource Management	p. BADM/MGMT 360	3		
MNET/OM 460	Engineering Economic Analysis	p. MATH 114	3		
OM 463	Supply Chain Management	p. >=C in OM 425; STAT 281 or STAT 381	3		
Technical Elective			2		
Total Credit Hours			16		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
GE 471	Capstone Experience	p. GE 470	2		
MNET 468	Manufacturing Plant Management	p. MNET 367/L	3		
OM 465	Quality Control Applications	p. OM 462; STAT 281 or STAT 381	3		
OM 490	Seminar		1		
OM 494	Internship	c. consent	2		
Technical Elective			3		
Total Credit Hours			14		

Supply Chain Management Emphasis

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
GE 470	Project Management	p. ENGL 201 or ENGL 277; senior standing, or instructor approval	2		
HRM 460	Human Resource Management	p. BADM/MGMT 360	3		
MNET 468	Manufacturing Plant Management	p. MNET 367/L	3		
MNET/OM 460	Engineering Economic Analysis	p. MATH 114	3		
OM 463	Supply Chain Management	p. >=C in OM 425; STAT 281 or STAT 381	3		
Total Credit Hours			14		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
GE 471	Capstone Experience	p. GE 470	2		
OM 415	Logistics and Transportation Management	p. STAT 281	3		
OM 435	Warehouse Management	p. MNET 367/L	3		
OM 490	Seminar		1		
OM 494	Internship	c. consent	2		
Technical Elective			5		
Total Credit Hours			16		

COMMENTS/NOTES

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).