



**Bachelor of Science**

**Major: Operations Management**

**2021-2022 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**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CM 130	Management Tools & Analysis		3		
ENGL 101	Composition I (SGR #1)	p. ENGL 031, ENGL 032, ENGL 033, ENGL 039, or placement	3		
GE 101	Introduction to Engineering & Technical Professions		1		
GE 121	Engineering Design Graphics I	coreq. One Math course except for 021, 101, 100T	1		
GE 123	Computer Aided Drawing	p. GE 121	1		
MATH 114	College Algebra (SGR #5)	p. placement; MATH 095 or MATH 101	3		
SGR #4	Arts & Humanities/Diversity		3		
<b>Total Credit Hours</b>			<b>15</b>		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CHEM 106/L	Chemistry Survey & Lab (SGR #6)	p. One collegiate math course	4		
CMST 101	Fundamentals of Speech (SGR #2)		3		
ET 210/L	Introduction to Electronic Systems & Lab	p. MATH 114	4		
MATH 121/L	Survey of Calculus & Lab (SGR #5)	p. MATH 114, MATH 115, or placement	5		
<b>Total Credit Hours</b>			<b>16</b>		

**Second Year**

**Electronics Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 220/L	Analog Electronics & Lab	p. ET 210	4		
ET 232/L	Digital Electronics & Microprocessors & Lab	p. ET 210	3		
PHYS 101/L	Survey of Physics & Lab (SGR #6)		4		
SGR #3	Social Sciences/Diversity		3		
SGR #4	Arts & Humanities/Diversity		3		
<b>Total Credit Hours</b>			<b>17</b>		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ACCT 210	Principles of Accounting I		3		
ECON 201	Principles of Microeconomics (SGR #3)		3		
ENGL 277	Technical Writing in Engineering (SGR #1)	p. ENGL 101 & GE 101, AST 119, PHYS 119, or PS 119, or instructor consent	3		
MNET 367/L	Production Strategy & Lab	p. MNET 150 or MNET 231 or ET 232	3		
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 103 or higher	3		
<b>Total Credit Hours</b>			<b>15</b>		



**Manufacturing 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 & GE 101, AST 119, PHYS 119, or PS 119, or instructor consent	3		
MNET 231/L	Manufacturing Processes I & Lab		3		
PHYS 101/L	Survey of Physics & Lab (SGR #6)		4		
SGR #3	Social Sciences/Diversity		3		
<b>Total Credit Hours</b>			16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ECON 201	Principles of Microeconomics (SGR #3)		3		
MNET 367/L	Production Strategy & Lab	p. MNET 150 or MNET 231 or ET 232	3		
SGR #4	Arts & Humanities/Diversity		3		
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 102 or higher	3		
Technical Elective			3		
<b>Total Credit Hours</b>			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 & GE 101, AST 119, PHYS 119, or PS 119, or instructor consent	3		
ET 232/L Or MNET 231/L	Digital Electronics & Microprocessors & Lab Manufacturing Processes I & Lab	p. ET 210/L	3		
PHYS 101/L	Survey of Physics & Lab (SGR #6)		4		
SGR #3	Social Sciences/Diversity		3		
<b>Total Credit Hours</b>			16		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ECON 201	Principles of Microeconomics (SGR #3)		3		
MNET 367/L	Production Strategy & Lab	p. MNET 150 or MNET 231 or ET 232	3		
SGR #4	Arts & Humanities/Diversity		3		
STAT 281	Introduction to Statistics (SGR #5)	p. MATH 102 or higher	3		
Technical Elective			3		
<b>Total Credit Hours</b>			15		

**Third Year**

**Electronics Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360 or GE 385	Organization & Management or Intro to Systems Engineering & Management		3		
CSC 325	Management Information Systems		3		
ET 330/L	Microcontrollers & Networks & Lab	p. ET 210	3		
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Technical Elective			3		
<b>Total Credit Hours</b>			15		



**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 380/L	Circuit Boards & Design & Lab	p. ET 220	3		
GE 231	Technology, Society, & 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		
OM 494	Internship	c. consent	1		
<b>Total Credit Hours</b>			14		

**Manufacturing Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360 or GE 385	Organization & Management or Intro to Systems Engineering & Management		3		
ET 451/L	Industrial Controls & PLCs & Lab	p. ET 210	3		
GE 425	Occupational Safety & Health Management		3		
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Technical Elective			3		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CSC 325	Management Information Systems		3		
FIN 310 Or MNET 468	Business Finance or Manufacturing Plant Management	p. ACCT 211 or p. MNET 367/L	3		
GE 231	Technology, Society, & 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		
<b>Total Credit Hours</b>			15		

**Supply Chain Management Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
BADM/MGMT 360 or GE 385	Organization & Management or Intro to Systems Engineering & Management		3		
ET 451/L	Industrial Controls & PLCs & Lab	p. ET 210	3		
GE 425	Occupational Safety & Health Management		3		
OM 240	Decision Making Processes in Management	p. MATH 114	3		
Technical Elective			3		
<b>Total Credit Hours</b>			15		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
CSC 325	Management Information Systems		3		
FIN 310 Or MNET 468	Business Finance or Manufacturing Plant Management	p. ACCT 211 or p. MNET 367/L	3		
GE 231	Technology, Society, & 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		
<b>Total Credit Hours</b>			15		

**Fourth Year**

**Electronics Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
ET 451/L	Industrial Controls & PLCs & Lab	p. ET 210	3		

Information Subject to Change. This is not a contract.

p. = Course Prerequisite  
Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
GE 425	Occupational Safety & Health Management		3		
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		
OM 470	Project Management	p. ENGL 201 or ENGL 277, senior standing, or instructor approval	2		
<b>Total Credit Hours</b>			14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
FIN 310 Or MNET 468	Business Finance Or Manufacturing Plant Management	p. ACCT 211 or p. MNET 367/L	3		
HRM 460 or LDR 435	Human Resource Management or Organizational Leadership & Team Development	p. BADM/MGMT 360 or p. junior standing	3		
OM 471	Capstone Experience	p. OM 470 or GE 469	2		
Technical Elective			3		
Technical Elective			3		
<b>Total Credit Hours</b>			14		

**Manufacturing Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
HRM 460 or LDR 435	Human Resource Management or Organizational Leadership & Team Development	p. BADM/MGMT 360 or p. junior standing	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		
OM 470	Project Management	p. ENGL 201 or ENGL 277; senior standing, or instructor approval	2		
Technical Elective			3		
<b>Total Credit Hours</b>			14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
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 471	Capstone Experience	p. OM 470 or GE 469	2		
OM 490	Seminar		1		
OM 494	Internship	c. consent	2		
Technical Elective			3		
<b>Total Credit Hours</b>			14		

**Supply Chain Management Emphasis**

**Fall**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
HRM 460 or LDR 435	Human Resource Management or Organizational Leadership & Team Development	p. BADM/MGMT 360 or p. junior standing	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		
OM 470	Project Management	p. ENGL 201 or ENGL 277; senior standing, or instructor approval	2		
Technical Elective			3		
<b>Total Credit Hours</b>			14		

**Spring**

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
OM 415	Logistics & Transportation Management	p. STAT 281	3		
OM 435	Warehouse Management	p. MNET 367/L	3		
OM 471	Capstone Experience	p. OM 470 or GE 469	2		

**Information Subject to Change. This is not a contract.**

p. = Course Prerequisite  
Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
OM 490	Seminar		1		
OM 494	Internship	c. consent	2		
Technical Elective			3		
		<b>Total Credit Hours</b>	14		

**Comments/Notes**

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