

MANUFACTURING & SUPPLY CHAIN MANAGEMENT

Decision Sciences Department - Bachelor of Science - College of Business and Economics

Pre-Major Planning Guide 2022-2023

Name:
W#:
Expected Graduation:



Fill out this form as completely as you can, and then meet with your advisor for review and signature.
Freshmen and Sophomores may wish to complete only a portion of the table below, deferring the remainder until the Junior year.

Graduation requirements: (See the University Catalog for additional WWU requirements)

- One communication focus course: OPS 468.
- **Writing proficiency course(s):** OPS 464 (WP3).
- A minimum of 180 credits (of this a maximum of 105 credits may be transferred from a community college).
- A minimum of 60 credits of upper-division course work (300 or 400 level courses).
- A minimum of 90 credits in areas other than accounting and business administration. All CBE courses are considered in the areas of accounting and business administration except DSCI 205, MATH 157, and all economics courses.
- At least 50 percent of the business credit hours required for the CBE majors and minors must be taken at Western Washington University.

It is important that you take the core and concentration classes in a logical sequence. Please review the course pre-requisites listed on the reverse side of this document.

- You are **NOT** required to complete all core courses before taking major courses. We advise you to take both core and major courses each quarter.
- Take OPS 360 as soon as possible after completion of the OPS 360 prerequisites.
- MIS 220 or its equivalent must be completed **before** taking MIS 320 & FIN 341.
- Take MGMT 495 in one of your last two quarters, if possible.

SCHEDULE OF COURSES TO BE COMPLETED FOR THE MAJOR

	COURSE	CR	TITLE	Quarter:											
				Year:											
				COMPLETED											
Foundation (40 Credits)	ACCT 240	4	Financial Accounting												
	ACCT 245	4	Managerial Accounting												
	DSCI 205	4	Business Statistics												
	MIS 220	2	Intro: Business Computer Systems w/lab												
	MATH 157	4	Calculus for Business												
	CHEM 161 (CHEM 121)	5	General Chemistry I												
	PHYS 114	5	Principles of Physics I												
	ECON 206	4	Introduction to Microeconomics												
	ECON 207	4	Introduction to Macroeconomics												
	MGMT 271	4	Business Law												
Core (28 Credits)	OPS 360	4	Operations Management												
	MGMT 311	4	Intro to Mgmt & Organztl Behavior												
	DSCI 305	4	Applied Business Statistics												
	MIS 320 **	4	Principles of Management Information Systems												
	FIN 341	4	Principles of Finance												
	MKTG 380	4	Principles of Marketing												
Advanced Core (4 Credits)	MGMT 382	4	Business & Environment												
	MGMT 495*	4	Strategic Management												
* MGMT 491 and 492 may be substituted for MGMT 495 and one of the elective courses with advisor permission.															
Major (31 Credits)	OPS 460	4	Designing and Improving Operations												
	OPS 461	4	Project Management												
	OPS 463	4	Enterprise Resource PIng System												
	OPS 466	4	Supply Chain Management and Procurement												
	OPS 468	4	Manufacturing Strategy												
	ENGR 104 (Spring)	3	Intro Engineering Design Graphics												
	MFGE 261 (Winter)	4	Intro to CAD												
ENGR 130 (Fall)	4	Intro to Materials and Manufacturing Processes													
Electives (19-20 Credits)	Elective Courses (19-20 credits)			All Elective Courses Must Be Approved By Your Faculty Advisor											
	Electives Must Include At Least Two Courses From:														
	ACCT 331	4	Cost Management												
	DSCI 407	4	Predictive Analytics for Business												
	MGMT 313	4	Teamwork Basics												
	MIS 321	4	Systems Analysis and Design												
	OPS 462	4	Management Science w/Spreadsheets												
	OPS 465	4	Quality Management												
OPS 467	4	Logistics Modeling & Analysis													
Internships (8 Credits)	Internships (8 credits)														
	OPS 464 (WP3)	4	Manufacturing Management Practicum												
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** Students double majoring in Accounting and MSCM do not need to take MIS 320, they can substitute ACCT 321. ACCT 321 can be used as the pre-requisite for any OPS class that requires MIS

	COURSE	CR	TITLE	Pre-requisites	Other Restrictions
Foundation (40 Credits)	ACCT 240	4	Financial Accounting		
	ACCT 245	4	Managerial Accounting	ACCT 240	
	DSCI 205	4	Business Statistics	MATH 156 or equiv.	
	MIS 220	2	Intro: Business Computer Systems w/lab		CBE Pre-majors & majors receive registration priority
	MATH 157	4	Calculus for Business	MATH 156 or equiv.	
	CHEM 161 (CHEM 121)	5	General Chemistry I	MATH 157 or equiv.	
	PHYS 114	5	Principles of Physics I	MATH 157 or equiv.	
	ECON 206	4	Introduction to Microeconomics	MATH 112 or equiv.	
	ECON 207	4	Introduction to Macroeconomics	ECON 206 or 101 or HNRS 209 & MATH 112 or equiv.	
	MGMT 271	4	Business Law		
Core (28 Credits)	OPS 360	4	Operations Management	DSCI 205 & ACCT 245	CBE Pre-majors & majors receive registration priority
	MGMT 311	4	Intro to Mgmt & Organtzl Behavior		CBE Pre-majors & majors receive registration priority
	DSCI 305	4	Applied Business Statistics	DSCI 205 & MATH 157 or equiv.	CBE Pre-majors & majors receive registration priority
	MIS 320 **	4	Principles of Management Information Systems	MIS 220 or equiv.	CBE Pre-majors & majors receive registration priority
	FIN 341	4	Principles of Finance	ACCT 245, DSCI 205 & MIS 220 or equiv.	CBE Pre-majors & majors receive registration priority
	MKTG 380	4	Principles of Marketing	ACCT 240 & ECON 206 or HNRS 209	CBE Pre-majors & majors receive registration priority
	MGMT 382	4	Business & Environment	MGMT 271	Full Major & JR status
	MGMT 495*	4	Strategic Management	MGMT 311, FIN 341, MKTG 380, OPS 360 & MIS 320 or ACCT 321	Full Major & JR status
* MGMT 491 and 492 may be substituted for MGMT 495 and one of the elective courses with advisor permission.					
Advanced Core (4 Credits)	MGMT 491	4	Small Business Entrepreneurship	MGMT 311, FIN 341, MKTG 380, OPS 360 & MIS 320 or ACCT 321	Full Major & JR status
	MGMT 492	4	Entrepreneurial Problems	MGMT 491	Full Major & JR status
Major (31 Credits)	OPS 460	4	Designing and Improving Operations	OPS 360	Full Major
	OPS 461	4	Project Management	OPS 360	Full Major
	OPS 468	4	Manufacturing Strategy	OPS 360	Full Major
	OPS 463	4	Enterprise Resource Plng Syst	OPS 360	Full Major
	OPS 466	4	Supply Chain Management and Procurement	OPS 360	Full Major
	ENGR 104	3	Intro Engineering Design Graphics		Full Major
	MFGE 261	4	Intro to CAD	ENGR 104	Full Major
	ENGR 130	4	Intro to Materials and Manufacturing Processes	CHEM 161 & MATH 157 & PHYS 114	Full Major
Five Elective Courses (19-20 Credits)					
Electives Must Be Approved By Your Faculty Advisor & Include At Least Two Courses From:					
Electives (19-20 Credits)	ACCT 331	4	Cost Management	DSCI 205, ACCT 245 & MIS 220 or equiv.	Full Major, Subject to avail. MSCM may have to wait to register
	DSCI 407	4	Predictive Analytics for Business	DSCI 305 or ECON 375	Full major
	MGMT 313	4	Teamwork Basics	MGMT 311	Full Major
	MIS 321	4	Systems Analysis and Design	MIS 320 or ACCT 321	Full Major, Subject to avail. MSCM may have to wait to register
	OPS 462	4	Management Science w/Spreadsheets	OPS 360 & MIS 320 or ACCT 321	Full Major
	OPS 465	4	Quality Management	OPS 360	Full Major
	OPS 467	4	Logistics Modeling & Analysis	OPS 360	Full Major
Internships (8 Credits)	OPS 464 (WP3)	4	Manufacturing Management Practicum	OPS 360	Full Major & Override
	OPS 464 (WP3)	4	Manufacturing Management Practicum	OPS 360	Full Major & Override

** Students double majoring in Accounting and MSCM do not need to take MIS 320, they can substitute ACCT 321. ACCT 321 can be used as the pre-requisite for any OPS class that requires MIS 320.