

CHEMISTRY - BUSINESS CONCENTRATION (B.S.)

120 credits of coursework is required for the baccalaureate degree with a minimum 2.0 overall GPA, and a minimum 2.0 major GPA.

Degree Requirements Overview

Code	Title	Credits
	New Student Seminar	1
	SEEDS General Education Requirements	30-33
	Major Requirements	73
	Free Electives	16-13
	Total Credits	120

Major Requirements

Code	Title	Credits
Chemistry Core		
CHEM 120	General Chemistry I	4
CHEM 121	General Chemistry II	4
CHEM 230	Organic Chemistry I	3
CHEM 231	Organic Chemistry II	3
CHEM 232	Experimental Organic Chemistry I	2
CHEM 233	Experimental Organic Chemistry II	2
CHEM 310	Analytical Chemistry	4
CHEM 340	Physical Chemistry I	3
CHEM 410	Instrumental Analysis	5
CHEM 495	The Chemical Literature	1
Chemistry Collateral Requirements		
AMAT 120	Applied Calculus A	4
	or MATH 122 Calculus I	
AMAT 220	Applied Calculus B	4
	or MATH 221 Calculus II	
PHYS 191	University Physics I	4
Business Requirements		
ACCT 204	Fundamentals of Accounting	3
MGMT 295	Elements of Business	3
ECON 202	Economics and Finance for Non-Business Majors	3
INFO 173	Spreadsheet Modeling for Business Decisions	3
INFO 240	Statistical Methods in Business	3
MGMT 231	Management Processes	3
	or MKTG 240 Introduction to Marketing	
	<i>Complete the Entrepreneurship, Professional Selling or Management Track. See requirements below.</i>	9
Business Collateral Requirement		
ECON 102	Applied Microeconomics	3
	Total Credits	73

Tracks

Entrepreneurship Track

Code	Title	Credits
(Leads to the Entrepreneurship Certificate)		
ENTR 201	The Entrepreneurial Mindset and Innovation	3
ENTR 303	Create and Pitch Your Startup	6
	Total Credits	9

Professional Selling Track

Code	Title	Credits
(Leads to the Professional Selling Certificate)		
MKTG 250	Professional Selling	3
MKTG 342	Sales Management	3
MKTG 443	Sales Leadership and Negotiation	3
	Total Credits	9

Management Track

Code	Title	Credits
MGMT 315	Organizational Behavior	3
MGMT 335	Small Business Management	3
MGMT 363	Business and Society	3
	Total Credits	9

New Student Seminar

Code	Title	Credits
Students in the Adult Learner program must take GNED 100.		
	Complete one course from the following. Some courses may be restricted by major. Consult with an academic advisor.	1
ADVS 198	Pathways to Success	
CHEM 190	Freshman Seminar in Chemistry	
FYS 100	First Year Seminar	
GNED 100	Adult Academic Success Seminar	
GNED 199	New Student Seminar	
HPEM 199	Freshman Seminar in Health and Physical Education	
IDS 155	Pathways to Adult Learning	
JUST 199	New Student Seminar	
MATH 102	New Student Experience for Mathematical Sciences	
MUGN 199	Freshman Seminar for Music Majors	
NURS 199	Introduction to Nursing	
POLS 199	Freshman Seminar in Political Science and Law	

SEEDS General Education Requirements

Click here for a listing of courses that fulfill the SEEDS requirements. (<http://catalog.montclair.edu/programs/seeds-general-education-requirements/>)

Code	Title	Credits
Foundations		
<i>Effective Writing I</i>		
	Complete one Effective Writing I course.	3
<i>Effective Writing II</i>		
	Complete one Effective Writing II course.	3

Interactive Communication

Complete one Interactive Communication course.	3
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Quantitative Reasoning

Complete one Quantitative Reasoning course.	3
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Political and Civic Life

Complete one Political and Civic Life course.	3
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World Languages

Complete two sequential classes in one World Language when starting at the Beginner I or Beginner II level. Complete one class when starting at the Intermediate/Advanced Level.	3-6
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Exploration

Complete one course from four different Exploration categories.	12
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*Analyzing Cultures and Societies**Creative Expression**Ethical Inquiry**Historical Thinking**Literary and Artistic Analysis**Scientific Reasoning*

Total Credits	30-33
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