

Montclair State University
Department of Chemistry
BS Chemistry w/ Concentration in Business

Fall 2020

I. GenEd Requirement 29 sh

A. New Student Seminar	CHEM 190	1
C. Communication		
C1. Writing		3
C2. Literature		3
C3. Communication		3
D. Fine and Performing Arts		3
F. Humanities		
F1. Great Works and Their Influences		3
F2. Philosophical./Relig. Perspec.		3
G. Computer Science	INFO173	(0)
H. Mathematics	MATH 122	(0)
I. Natural Science Laboratory	CHEM 120	(0)
J. Physical Education		1
K. Social Science		
K1. American & European History		3
K2. Global Cultural Perspectives		3
K3. Social Science Perspectives		3
L. Interdisciplinary Studies	ECON102	(0)

II. World Languages & Cultures Requirements 3-9 sh

A. World Languages	3-6
B. World Cultures	0-3

III. Major Requirements 73 sh

A. Chemistry Core 31 sh

CHEM 120 General Chemistry I	4
CHEM 120 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	5
CHEM 311 Instrumental Analysis	4
CHEM 340 Physical Chemistry I	3
CHEM495 The Chemical Literature	1

B. Chemistry Collateral Requirements 12 sh

MATH 122 Calculus I	4
MATH 221 Calculus II	4
PHYS 191 University Physics I	4

C. Business Requirements 27 sh

INFO 240 Business Statistics	3
ECON 202 Economics & Finance for Business Minors	3
ACCT 204 Fundamentals of Accounting	3
BUGN 295 Elements of Business	3
INFO 173 Spreadsheet Analysis	3
MGMT 231 Management Processes <i>or</i> MKTG 240 – Intro to Marketing	3

Select one Track (9 sh)

Entrepreneurship (leads to Entrepreneurship Certificate)

ENTR 201 Entrepreneurial Mindset and Innovation	3
ENTR 303 Create and Pitch Your Startup	6

Professional Selling (leads to Professional Selling Certificate)

MKTG 250 Professional Selling	3
MKTG 342 Sales Concepts and Practices	3
MKTG 443 Sales Leadership & Negotiation	3

Management

MGMT 315 Organizational Behavior	3
MGMT 335 Small Business Management	3
MGMT 362 Business and Society	3

D. Business Collateral Requirements 3 sh

ECON 102 Applied Microeconomics	3
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IV. Free Electives 9-15 sh

Strongly recommended

CHEM 370 Biochemistry I	3
PHYS 192 University Physics II	4

Total credits: 120