

B.A. Degree in Chemistry

Emphasis in Business

The following is a sample schedule to help students plan their coursework. These are suggestions and the schedule is flexible. In addition to fulfilling the courses specifically required for this chemistry degree, it is important that students also fulfill Dragon Core requirements and normal graduation requirements (at least 120 total credits, at least 40 upper/division credits [300/400 level], and a GPA of at least 2.0.)

FALL		FRESHMAN YEAR		DC
Chem	150	Gen Chem I (lab)	4	4IL
ENGL	101	English Composition ¹	4	1B
ACCT	230	Principles of Accounting I	3	
CMST	100	Speech Communication ¹	3	1A
Hlth	122	Personal Health/Wellness	1	
Total Credits			16	

SPRING				DC
Chem	210	Gen Chem II (lab)	4	
Phil	110	Practical Reasoning ¹	3	2
ACCT	231	Principles of Accounting II	3	
MATH	234	Probability/Statistics ²	4	
Total Credits			14	

FALL		SOPHOMORE YEAR	
Chem	350	Organic Chem I	3
Chem	355	Organic Chem Lab I	1
ECON	202	Princ. Economics I	3
CSIS	104	Spreadsheet/Database	3
Electives ³			6
Total Credits			16

SPRING			
Chem	360	Organic Chem II	3
Chem	365	Organic Chem Lab II	1
ECON	231	Princ. Economics II	3
MATH		Calc for Bus./Soc. Sci. (229) or Calculus I (261)	3/4
Electives ³			6
Total Credits			16

FALL		JUNIOR YEAR	
Chem	400	Biochemistry I	3
Chem	405	Biochemistry I Lab	1
Chem	300	Inorganic Chem I	3
FINC	340	Financ. Management	3
Electives			6
Total Credits			16

SPRING			
Chem	380	Analytical Chem (lab)	4
MGMT	360	Princ. Management	3
Electives			8
Total Credits			15

FALL		SENIOR YEAR	
MKTG	310	Princ. Marketing	3
ENGL	387	Tech Report Writing	4
Electives			8
Total Credits			15

SPRING			
Chem	498	Chemistry Seminar	1
Electives			14
Total Credits			15

¹ These are standard Dragon Core courses, but others can be taken in their place.

² ACS math scores or a mathematics placement exam is needed to inform whether a student should begin directly in calculus or a different math class.

³ In considering electives, keep in mind that all of the Dragon Core requirements must be fulfilled, in addition to the electives required in the areas of business and science.



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75 Credits, 30 Chemistry, 30 Business

Curriculum Planning

<u>Dragon Core Checksheet</u>			
<u>Foundation Four</u>			
		Grade	Credits W?
1A	Oral Communication	_____	
1B	Written Communication (W)	_____	
2	Critical Thinking	_____	
3	Mathematics/Symbolic	_____	
<u>Inner Cluster Electives & Middle Cluster – Competency Areas 3-7, seven courses total</u>			
		Grade	Credits W?
3	Mathematical/Symbolic Systems (optional)		
	3I or		
	3M	_____	
4	Natural Sciences (One Lab Class Required)		
	4I or		
	4M	_____	
	4I or		
	4M	_____	
5	History and the Social Sciences		
	5I or		
	5M	_____	
	5I or		
	5M	_____	
6	Humanities		
	6I or		
	6M	_____	
	6I or		
	6M	_____	
7	Human Diversity		
	7I or		
	7M	_____	
	7I or		
	7M	_____	
<u>Outer Cluster – Competency Areas 8-10, three courses total</u>			
		Grade	Credits W?
8	Global Perspective	_____	
9	Ethical and Civic Responsibility	_____	
10	People and the Environment	_____	
Total Dragon Core Credits: _____			
(Minimum 14 courses and 42 credits)			
<u>Writing Intensive Requirements</u>			
W 1 (1B)		_____	
W 2 (MC or OC)		_____	
W 3 (MC or OC, 300-400 level)		_____	
W 4 (Major, 300-400 level)		Chem 405	
W 5 (any W course, 200-400 level)		ENGL 387	

Core Requirements	23 credits	When Offered	Credits	Grade
CHEM 150/150L	15 \geq 300 General Chemistry I	F/Sp/Sum	4	
CHEM 210/210L	General Chemistry II	F/Sum	4	
CHEM300	Inorganic Chem I	F	3	
CHEM 350	Organic Chem I	F	3	
CHEM 355	Organic Chem Lab I	F	1	
CHEM 360	Organic Chem II	Sp	3	
CHEM 380/380L	Analytical Chem I	Sp	4	
CHEM 498	Seminar	Sp	1	
Requirements	28 credits			
	13 \geq 300			
CHEM 400	Biochemistry I	F	3	
CHEM 405	Biochemistry Lab I	F	1	
ACCT 230	Princ. Accounting I	F/Sp	3	
ACCT 231	Princ. Accounting II	F/Sp	3	
CSIS 104	Spreadsheet/Database	F/Sp	3	
ECON 202	Princ. Economics I	F/Sp	3	
ECON 204	Princ. Economics II	F/Sp	3	
FINC 340	Financ. Management	F/Sp	3	
MGMT 360	Princ. Management	F/Sp	3	
MKTG 310	Princ. Marketing	F/Sp	3	
Restricted Electives	12 credits			
	9-12 \geq 300			
CHEM \geq 300 level	CHEM Elective		3	
CHEM/BIOL \geq 300 or PHYS 160 or PHYS 200	Electives		3	
MKTG/FINC/ MGMT \geq 300 or ACCT 304	Electives		6	
Related Requirements	11-12 credits			
	4 \geq 300			
ENGL 387	Tech Report Writing	F/Sp	4	
Math 229 or Math 261	Calc for Bus./Soc. Sci. or Calculus I	F/Sp	3-4	
Math 234	Intro. to Probability/Statistics	F/Sp	4	