

## Chemistry with Business Emphasis, B.S., Comprehensive Major

The following is a hypothetical schedule, based on the 2018-2019 catalog. It assumes no transferred credits, no requirements waived by placement tests, and no courses taken in the summer. UW-Eau Claire cannot guarantee all courses will be offered as shown, but will provide a range of courses that will enable prepared students to fulfill their requirements in a timely period. This is just a guide. Please consult your advisor, the catalog, and your degree audit for specific requirements.

### FIRST YEAR

FIRST SEMESTER			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
CHEM 105 <sup>a</sup>	General Chemistry I Lecture	3	CHEM 109 <sup>a</sup>	General Chemistry II Lecture & Lab	4
CHEM 106 <sup>a</sup>	General Chemistry I Lab (K1)	2	ECON 103	Principles of Microeconomics (K2)	3
WRIT 114 or 116	Blugold Seminar (S1)	5	LE Core Elective	Humanities (K3)	3
MATH 111, 112, 113, or 114	A Short Course in Calculus (S2), Precalculus (S2), Trigonometry, or Calculus I (S2)	2-4	LE Core Elective	Equity, Diversity, Inclusivity (R1)	3
ELECTIVE <sup>c</sup>		0-3	ELECTIVE <sup>c</sup>		3
<b>TOTAL</b>		<b>14-15</b>	<b>TOTAL</b>		<b>16</b>

### SECOND YEAR

FIRST SEMESTER			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
CHEM 213	Quantitative Analysis (S3)	4	CHEM 218	Introduction to Inorganic Chemistry	3
ACCT 201	Principles of Accounting I	3	PHYS 211	General Physics I (K1)	5
ECON 104	Principles of Macroeconomics (K2)	3	IS 240	Information Systems in Business	3
LE CORE Elective	Fine Arts (K4)	3	LE Core Elective	Civic, Social Environmental Responsibility (R3)	3
BCOM 206, BCOM 207, ENGL 312, or ENGL 313	Communications Requirement (S1)	2-3			
<b>TOTAL</b>		<b>15-16</b>	<b>TOTAL</b>		<b>16</b>

### THIRD YEAR

FIRST SEMESTER – Apply for Admission to Major			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
CHEM 325	Organic Chemistry I with Lab	4	CHEM 326	Organic Chemistry II with Lab	4
PHYS 212	General Physics II	4	CHEM 274	Chemical Industry Seminar (Spring Only)	1
MATH 246	Elementary Statistics (S2)	4	BUSINESS ELECTIVE <sup>a</sup>	Business Elective	3
ELECTIVE <sup>b</sup>		3	LE Core Elective	Equity, Diversity, Inclusivity (R1+DD)	3
			LE Core Elective	Integrative Learning (I1)	3
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>14</b>

### FOURTH YEAR

FIRST SEMESTER			SECOND SEMESTER		
Subj/Area/Course	Title	Crs	Subj/Area/Course	Title	Crs
CHEM 411	Survey of Industrial Chemistry (Fall Only)	3	CHEM 460	Polymer Chemistry (Spring Only)	3
BUSINESS ELECTIVE <sup>a</sup>	Business Elective	3	BUSINESS ELECTIVE <sup>a</sup>	Business Elective	3
LE Core Elective	Integrative Learning (I1)	3	LE Core Elective	Global Learning (R2)	3
LE Core Elective	Humanities (K3)	3			
ELECTIVE <sup>b</sup>		3	ELECTIVES <sup>b</sup>		6
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>15</b>

**RECOMMENDATIONS FOR OPTIONAL HIGH IMPACT PRACTICES (HIPs)**

The University of Wisconsin-Eau Claire encourages all students to participate in High Impact Practices. The following information identifies any specific recommendations that faculty in this major have concerning which HIPs might be most beneficial to students, and any recommendations about when those HIPs best fit into the degree plan. Students should also consult their faculty advisor for information on HIPs.

Students majoring Chemistry are encouraged to participate in collaborative research or an internship.

**NOTES****Liberal Education Core (LE Core)**

The LE Core comprises 17 learning experiences across 11 learning outcomes. Students must complete a minimum of 36 credits in courses approved for the LE Core.

- K1 – Natural Sciences; two experiences (one lab science experience is required in K1 or K2).
- K2 – Social Sciences; two experiences (one lab science experience is required in K1 or K2).
- K3 – Humanities; two experiences.
- K4 – Fine Arts; one experience.
- S1 – Written and Oral Communication; two experiences (one experience must satisfy the University writing requirement).
- S2 – Mathematics; one experience (must satisfy the University math competency requirement).
- S3 – Creativity; one experience (can be fulfilled in a student's major).
- R1 – Equity, Diversity, and Inclusivity; two experiences (one experience must meet the UW System Design for Diversity (DD) requirement).
- R2 – Global Perspectives; one experience.
- R3 – Civic and Environmental Issues; one experience.
- I1 – Integration; two experiences (one experience can be fulfilled in a student's major).

**Additional LE Core Information**

- Most LE Core learning experiences are course based, and many courses meet more than one learning outcome (e.g., K3 and R2 or K1 and R3).
- Some learning experiences can also be met outside of a traditional course (e.g., undergraduate research (S3), study abroad (I1)).
- S1 – An English placement score that fulfills the University writing requirement fulfills one S1 experience.
- S1 – A foreign Language placement score that qualifies the student to enter the 102 level satisfies one S1 experience.
- S1, R2 – A foreign language placement score that qualifies the student to enter the 202 level satisfies one experience in S1 and the R2 experience.
- S2 – A math placement score that qualifies the student to enter Math 111, 112, 113 or 114 fulfills the S2 experience.
- S3 – Completion of two credits from any approved music ensemble fulfills the S3 experience.
- I1 – Any semester long study abroad program can fulfill one I1 experience.

**Course Suggestions (if applicable)**

- a Only 6 of the 9 credits from CHEM 105, CHEM 106 (K1) and CHEM 109 will count towards the major. As an alternative, CHEM 115 (K1) may be substituted for CHEM 105, CHEM 106 (K1) and CHEM 109.
- b Select three courses from the following:
 

FIN 320 – Principles of Finance	MKTG 330 – Principles of Marketing
MGMT 340 – Organizational Behavior	MKTG 336 – Business Logistics Management
MGMT 341 – Operations Management	MKTG 337 – Professional Selling
MGMT 345 – Managing Global Organizations	MKTG 433 – Sales Management
MGMT 446 – Organizational Change and Development	MKTG 437 – Business to Business Marketing
- c Electives need to be carefully selected to ensure that a student's degree comprises at least 39 credits of upper division courses (300-400 level). While students are encouraged to take additional courses in chemistry and business, electives can be selected from any discipline as long as the student meets the course prerequisites.

**Application to Major (if applicable)**

Students majoring in Chemistry with Business Emphasis must meet College of Business admission standards before they may register for upper-division (300-400 level) courses offered by the College of Business.