AC-05-130
Program/Major or Minor/Concentration Revision Form

(07/2004)

1.0 Degree Title
Specify the two degrees for concurrent degree programs

B.Sc.

1.1 Major (Legacy= Subject) (30-char. max.)

Chemistry

1.2 Concentration (Legacy = Concentration/Option)
If applicable (30 char. max.)

1.3 Minor (with Concentration, if applicable)
(30 char. max.)

1.4 Category

- [x] Faculty Program (FP)
- [ ] Major
- [ ] Joint Major
- [ ] Major Concentration (CON)
- [ ] Minor
- [ ] Minor Concentration (CON)
- [ ] Honours (HON)
- [ ] Joint Honours Component (HC)
- [ ] Internship/Co-op
- [ ] Thesis (T)
- [ ] Non-Thesis (N)
- [ ] Other

Please specify

1.5 Complete Program Title

Faculty Program in Chemistry

2.0 Administering Faculty/Unit

Science

Offering Faculty/Department

Chemistry

3.0 Effective Term of revision or retirement
Please give reasons in 5.0 "Rationale" in the case of retirement
(Ex. Sept. 2004 = 200409) ☐ Retirement

Term: 200709

4.0 Existing Credit Weight: 52

Proposed Credit Weight: 52

5.0 Rationale for revised program

Changes reflect: 1) retirement of CHEM213, CHEM355, CHEM363 and introduction of CHEM223, CHEM243, CHEM253, and CHEM263.

6.0 Revised Program Description (Maximum 150 words)

7.0 List of existing program and proposed program

Existing program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

Faculty Program in Chemistry
Required Courses
(31 credits)

CHEM 212*	(4)	Introductory Organic Chemistry
CHEM 222*	(4)	Introductory Organic Chemistry 2
CHEM 277D1	(1.5)	Analytical Chemistry
CHEM 277D2	(1.5)	Analytical Chemistry
CHEM 302	(3)	Introductory Organic Chemistry 3
CHEM 345	(3)	Molecular Properties and Structure 1
CHEM 367	(3)	Instrumental Analysis 1
CHEM 377	(3)	Instrumental Analysis 2
MATH 222**	(3)	Calculus 3
MATH 315	(3)	Ordinary Differential Equations
PHYS 242	(2)	Electricity and Magnetism

* denotes courses with CEGEP equivalents
** Students who have successfully completed MATH 150 and MATH 151 are not required to take MATH 222.

FACULTY PROGRAM IN CHEMISTRY
(52credits)

Required Courses
(31 credits)
31 credits as listed above

Complementary Courses
(21 credits)
6 credits, one of the following course sets:
CHEM 204 (3) Physical Chemstry/Biological Sciences 1
and CHEM 214 (3) Physical Chemistry/Biological Sciences 2
~~or CHEM 213 (3) Introductory Physical Chemistry~~
~~and CHEM 355 (3) Molecular Properties and Structure 2~~
6 credits, two of the following courses:
CHEM 201 (3) Modern Inorganicn Chemistry 1
or CHEM 281 (3) Inorganic Chemistry 1
CHEM 301 (3) Modern Inorganic Chemistry 2
or CHEM 381 (3) Inorganic Chemistry 2
9 Credits from:
CHEM 352 (3) Structural Organic Chemistry
CHEM 355 (3) Molecular Properties and Structure 2
~~CHEM 363 (3) Physical Chemistry Laboratory 1~~
CHEM 382 (3) Organic Chemistry : Natural Products
CHEM 392 (3) Integrated Inorganic/Organic Laboratory
CHEM 393 (2) Physical Chemistry Laboratory 2
or any 400-level coruses in Chemistry for which the prerequisites are satisfied.

Proposed program (list courses as follows: Subj Code/Crse Num, Title, Credit weight, under the headings of: Required Courses, Complementary Courses, Elective Courses)

Faculty Program in Chemistry
Required Courses
(31 credits)

CHEM 212*	(4)	Introductory Organic Chemistry
CHEM 222*	(4)	Introductory Organic Chemistry 2
CHEM 277D1	(1.5)	Analytical Chemistry
CHEM 277D2	(1.5)	Analytical Chemistry
CHEM 302	(3)	Introductory Organic Chemistry 3
CHEM 345	(3)	Molecular Properties and Structure 1
CHEM 367	(3)	Instrumental Analysis 1
CHEM 377	(3)	Instrumental Analysis 2
MATH 222**	(3)	Calculus 3
MATH 315	(3)	Ordinary Differential Equations
PHYS 242	(2)	Electricity and Magnetism

* denotes courses with CEGEP equivalents
** Students who have successfully completed MATH 150 and MATH 151 are not required to take MATH 222.

FACULTY PROGRAM IN CHEMISTRY
(52credits)

Required Courses
(31 credits)
31 credits as listed above

Complementary Courses
(21 credits)
6 credits, one of the following course sets:
CHEM 204 (3) Physical Chemstry/Biological Sciences 1
and CHEM 214 (3) Physical Chemistry/Biological Sciences 2
or
CHEM 223 (2) Introductory Physical Chemistry 1
and CHEM 253 (1) Introductory Physical Chemistry 1 Lab
and CHEM 243 (2) Introductory Physical Chemistry 2
and CHEM 263 (1) Introductory Physical Chemistry 2 Lab
6 credits, two of the following courses:
CHEM 201 (3) Modern Inorganicn Chemistry 1
or CHEM 281 (3) Inorganic Chemistry 1
CHEM 301 (3) Modern Inorganic Chemistry 2
or CHEM 381 (3) Inorganic Chemistry 2
9 Credits from:
CHEM 352 (3) Structural Organic Chemistry
CHEM 355 (3) Molecular Properties and Structure 2
CHEM 382 (3) Organic Chemistry : Natural Products
CHEM 392 (3) Integrated Inorganic/Organic Laboratory
CHEM 393 (2) Physical Chemistry Laboratory 2
or any 400-level coruses in Chemistry for which the prerequisites are satisfied.

Attach extra page(s) as needed

8.0 Consultation with Related Units ☐ Yes ☐ No

Financial Consult ☐ Yes ☐ No

Attach list of consultations

9. Approvals

Routing Sequence	Name	Signature	Date
Department			
Curric/Acad Committee			
Faculty 1			
Faculty 2			
Faculty 3			
SCTP			
GS			
APPC			
Senate			

Submitted by

Name	David Ronis
Phone	6940
Email	ronis@onsager.chem.mcgill.ca
Submission Date	

To be completed by ARR:

CIP Code