ACADEMIC PLANNING GUIDE — CHEMISTRY

NORTH PARK UNIVERSITY • CHICAGO • ILLINOIS

Revised July 2012

	Fall Semester		Spring Semester	
First Year	•CHEM 1150: General Chemistry I	4	CHEM 1160: General Chemistry II	4
	•Math option: MATH 1150: First Year Math (BA only) or MATH 1510: Calculus I (BS only)	4	MATH 1520: Calculus II (BS only)	4
			•BTS 1850: Introduction to the Bible	4
	•NPD 1000: Dialogue I	4	•Foreign Language 1020 Option II	4
	•Foreign Language 1010 Option	4		
	TOTAL SEMESTER HOURS	**16**	**TOTAL SEMESTER HOURS**	**16**
Second Year	CHEM 2310: Organic Chemistry I	4	CHEM 2320: Organic Chemistry II	4
	Physics I Requirement (BS only)	4	Physics II Requirement (BS only)	4
	•Culture and Society Option	4	•NPD 2000: Dialogue II	4
	Elective	4	•Biblical Studies Option	4
	TOTAL SEMESTER HOURS	**16**	**TOTAL SEMESTER HOURS**	**16**
Third Year or Fourth Year	Chemistry Elective (2000 or higher)	4	CHEM 2410: Analytical Chemistry	4
	•Science Quad (BIOL course)	2	CHEM 3010: Seminar in Chemistry	2
	•Fine Arts Option	2	•Personal Development Option	2
	Elective	4	•NPD 3000: Dialogue II	4
	Elective	4	Elective	4
	TOTAL SEMESTER HOURS	**16**	**TOTAL SEMESTER HOURS**	**16**
Third Year or Fourth Year	CHEM 3250: Physical Chemistry: Therm. & Kin. (BS only)	4	CHEM 3260: Physical Chemistry: Quant. & Spec. (BS only)	4
	Chemistry Elective (2000 or higher)	4	Chemistry Elective (3000 or higher, BA only)	4
	Elective	4	Elective	4
	Elective	4	Elective	4
	TOTAL SEMESTER HOURS	**16**	**TOTAL SEMESTER HOURS**	**16**

• Course meets a general education requirement

Note:

- Students attempting a B.S. degree and not prepared for MATH 1510 and MATH 1520 during their first year should take MATH 1150 during their first year and MATH 1510 and MATH 1520 during their second year and should take the Physics I and II requirement during their third or fourth year.
- Students attempting a B.S. degree should reserve the summer after their third year for a summer research experience.

The Academic Planning Guide is designed as a guide for students planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of a faculty advisor. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.

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Graduation Requirement:

120 semester hours, minimum

General Education Requirements:

44 semester hours

- ☐ The North Park Dialogue (12)
  - ☐ Dialogue I (4)
  - ☐ Dialogue II (4)
  - ☐ Dialogue III (4)
- ☐ Culture and Society (4)
- ☐ Personal Development (2)
- ☐ Biblical Studies (8)
  - ☐ BTS 1850 (4)
  - ☐ BTS option (4)
- ☐ Foreign Language (8)
  - ☐ 1010 Level (4)
  - ☐ 1020 Level (4)
- ☐ Mathematics (4) BS only: Met by major course MATH 1510
- ☐ Fine Arts (2)
- ☐ Natural Science (4)
  - ☐ Biology (2)
  - ☐ Chemistry/Physics (2) Met by major course CHEM 1150

See General Education checklist for specific courses that will fulfill each requirement. http://www.northpark.edu/generaleducation

Some general education courses may meet course requirements for your major.

Major Requirements:

***Required Semester Hours*:** **BA: 38 semester hours**
BS: 54 semester hours

Supporting Courses: **BA: 4 semester hours**
BS: 16 semester hours

Math

- ☐ MATH 1150: First Year Math (4) (required for BA only)
- ☐ MATH 1510/1520: Calculus I and II (4/4) (required for BS, recommended for BA)

Physics

- ☐ PHYS 1110/1120: College Physics I and II (4/4) (offered only during the summer term) (required for BS, recommended for BA)

or

- ☐ PHYS 1210/1220: Introductory Physics I or II (4/4) (offered only during the academic year) (required for BS, recommended for BA)

***Required Core Courses*:** **BA: 22 semester hours**
BS: 30 semester hours

- ☐ CHEM 1150: General Chemistry I (4)
- ☐ CHEM 1160: General Chemistry II (4)
- ☐ CHEM 2310: Organic Chemistry I (4)
- ☐ CHEM 2320: Organic Chemistry II (4)
- ☐ CHEM 2410: Analytical Chemistry (4)
- ☐ CHEM 3010: Seminar in Chemistry (2)

BS degree:

- ☐ CHEM 3250: Physical Chemistry: Thermodynamics and Kinetics (4)
- ☐ CHEM 3260: Physical Chemistry: Quantum Chemistry and Spectroscopy (4)

Major Elective Courses:

BA degree: 12 semester hours

8 additional hours in Chemistry numbered 2000 and above and 4 additional hours in Chemistry numbered 3000 and above.

BS degree: 8 semester hours

8 additional hours in Chemistry numbered 2000 and above

Additional Graduation Requirements

- ☐ Total of 120 semester hours, minimum. Additional courses may need to be taken to meet this requirement.
- ☐ Grade Point Average
  - ☐ Overall cumulative grade point average of 2.00
  - ☐ Cumulative grade point average in major of 2.00
- ☐ Last 30 semester hours must be taken at North Park
- ☐ Acceptance into the major

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