

ACADEMIC PLANNING GUIDE - CHEMISTRY

effective with 2017-2018 Catalog

MAJOR REQUIREMENTS	
Required Semester Hours: BA: 38 semester hours BS: 58 semester hours	
Prerequisites and Supporting Courses:	
BA: 4 semester hours MATH 1150: Pre-Calculus Mathematics (4) - meets Analytical & Quantitative Reasoning Requirement	
BS: 16 semester hours MATH 1510: Calculus I (4) - meets Analytical & Quantitative Reasoning Requirement MATH 1520: Calculus II (4)	
Select one of the following options:	
option 1: PHEN 1110: College Physics I (4) (offered only during the summer term) PHEN 1120: College Physics II (4) (offered only during the summer term)	option 2: PHEN 1210: Introductory Physics I (4) (offered only during the academic year) PHEN 1220: Introductory Physics II (4) (offered only during the academic year)
Required Core Courses: BA: 22 semester hours BS: 34 semester hours	
CHEM 1150: General Chemistry I (4) - meets Physical Science Requirement CHEM 1160: General Chemistry II (4) CHEM 2160: Inorganic Chemistry (4) (required for BS only) CHEM 2310: Organic Chemistry I (4) CHEM 2320: Organic Chemistry II (4)	CHEM 2410: Analytical Chemistry (4) CHEM 3010: Chemistry Ethics, Skill, and Professional Practices (2) - meets Ethical Reasoning Requirement CHEM 4020: Chemistry Seminar Series (0), must be taken 3 times pass/fail
CHEM 2320. Organic Chemistry II (4) CHEM 3250: Physical Chemistry: Thermodynamics and Kinetics (4) (required for BS only)	CHEM 3260: Physical Chemistry: Quantum Chemistry and Spectroscopy (4) (required for BS only)
Electives:	
BA: 12 semester hours	
Chemistry courses numbered 2000 and above (4) Chemistry courses numbered 2000 and above (4)	
Chemistry courses numbered 3000 and above (4)	
BS: 8 semester hours	
Chemistry courses numbered 2000 and above (4)	
Chemistry courses numbered 3000 and above (4)	

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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CORE CURRICULUM

Starting with the framework of North Park's identity as a Christian, liberal arts institution, our Core Curriculum is intentionally multi-disciplinary and multi-year. It is set up as a progress through three areas: Foundation Courses, Explorations Courses, and Capstone Courses.

http://www.northpark.edu/Academics/Undergraduate-Studies/Core-Curriculum

Foundations	Explorations
Preparing for more in-depth work in both the Core Coand your major	urriculum Knowledge in specific disciplines, with strong emphasis on how you can use them in the context of your own life
Cornerstone Seminar (4sh)	Art and Aesthetics (2sh)
Biblical Studies (4sh)	Christian Life & Thought (4sh)
Health and Well-Being (2sh)	Life Science (2sh/lab)
Analytical & Quantitative Reasoning (4sh)	Physical Science (2sh/lab)
met by MATH 1150 (BA only) or MATH 1510 (BS	only) met by CHEM 1150
Global Histories (4sh)	Culture and Society (4sh)
Modern Languages (8sh)	Ethical Reasoning (2sh)
	met by CHEM 3010
	ntermediate Level Writing ajor that specifically address writing clearly and doing effective research
Writing Intensive Course (4sh)	Research Writing Course (4sh)
Willing Interisive Course (4311)	met by CHEM 3250 (BS only)
	Keystone
Interdisciplinary integration of skills and knowledge applied to contemporary social issues	
Keystone Seminar (4sh)	
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