

## **ACADEMIC PLANNING GUIDE - MATHEMATICS**

effective with 2017-2018 Catalog

MAJOR REQUIREMENTS					
Required Semester Hours:	BA: 40 semester hours BS: 44 semester hours				
Prerequisites and Supporting Courses: 4 semester hours					
CSIS 1210: Introduction to Computer Science (4)					
Required Core Courses:  BA: 36 semester hours  BS: 40 semester hours  MATH 1410: Discrete Mathematics I (4) - meets Analytical and Quantitative Reasoning requirement  MATH 1510: Calculus I (4)  MATH 1520: Calculus II (4)  MATH 3100: Linear Algebra (4)					
BA Only:  MATH 1490: Introductory Stati MATH 3010: Introduction to G MATH 3110: Modern Abstract MATH 3210: History of Mather	eometry (2) Algebra (4)	MATH 2030: Differential Equations (4)  MATH 3050: Vector Calculus (4)  MATH 3150: Statistical Theory (4)  MATH 4010: Fourth-Year Seminar (4)			
Electives: 8 semester hours  MATH Elective (2000 or higher) (4)		MATH Elective (2000 or higher) (8)			

## Notes:

- · A comprehensive examination is required for graduation to take and pass a department comprehensive essay exam.
- An oral presentation of a paper outside of the classroom is required for the BS degree.
- For students in secondary education: The B.A. in Math requires 36 sh in MATH, namely MATH 1410, 1490, 1510, 1520, 3010, 3110, 3210, 12 sh in Mathematics numbered 2000 or higher, as well as CSIS 1210 as a supporting course.
- For Departmental Honors in Mathematics, 4 sh of MATH 4000 are required in addition to the degree requirements. Application for admission should be made the second semester of the third year. For general Departmental Honors requirements and MATH 4000 course descriptions, see appropriate sections of the catalog.

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 Preparing for more in-depth work in both the Core Curriculum and your major			Explorations  Knowledge in specific disciplines, with strong emphasis on how you car 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 1410	_			
	Global Histories (4sh)		Culture and Society (4sh)		
	Modern Languages (8sh)		Ethical Reasoning (2sh)		
Intermediate Level Writing					
		ajor that specifically	address writing clearly and doing effective research		
	Writing Intensive Course (4sh)	L	Research Writing Course (4sh)		
		Keysto			
		of skills and knowled	dge applied to contemporary social issues		
	Keystone Seminar (4sh)				

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