

# ACADEMIC PLANNING SHEET

# MATHEMATICS

NORTH PARK UNIVERSITY • CHICAGO • ILLINOIS

Revised June 2009

	Fall Semester		Spring Semester	
<b>First Year</b>	<ul style="list-style-type: none"> <li>•NPD 1000: Dialogue I</li> <li>•MATH 1510: Calculus I</li> <li>•Foreign Language 1010 Option</li> <li>•Science Quad/Science Quad Option</li> </ul>	4 4 4 2/2	<ul style="list-style-type: none"> <li>•BTS 1850: Introduction to the Bible</li> <li>•Culture and Society Option</li> <li>•Foreign Language 1020 Option</li> <li>MATH 1520: Calculus II</li> </ul>	4 4 4 4
	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>
<b>Second Year</b>	<ul style="list-style-type: none"> <li>•Fine Arts Option</li> <li>MATH 3050: Vector Calculus</li> <li>CSIS 1210: Intro. to Computer Science</li> <li>Elective</li> </ul>	4 4 4 4	<ul style="list-style-type: none"> <li>•NPD 2000: Dialogue II</li> <li>•Personal Development Option</li> <li>MATH 3150: Statistical Theory</li> <li>MATH 3060: Real Analysis</li> </ul>	4 2 4 4
	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>	<b>TOTAL SEMESTER HOURS</b>	<b>14</b>
<b>Third Year</b>	<ul style="list-style-type: none"> <li>•NPD 3000: Dialogue III</li> <li>MATH 3110: Modern Abstract Algebra</li> <li>Elective (MATH 3010/3210 for Secondary Ed.)</li> <li>Elective</li> </ul>	4 4 2/2 4	<ul style="list-style-type: none"> <li>MATH 3100: Linear Algebra</li> <li>MATH Elective (2000 or higher)</li> <li>Elective</li> <li>Elective</li> </ul>	4 4 4 4
	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>
<b>Fourth Year</b>	<ul style="list-style-type: none"> <li>•Biblical Studies Option</li> <li>MATH 4010: Fourth Year Seminar</li> <li>MATH 4020: North Park Distinctives in Mathematics</li> <li>Elective</li> <li>Elective</li> </ul>	4 2 4 4 2	<ul style="list-style-type: none"> <li>Elective (MATH 3620: Numerical Methods; B.S. only)</li> <li>Elective</li> <li>Elective</li> <li>Elective</li> </ul>	4 4 4 4
	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>	<b>TOTAL SEMESTER HOURS</b>	<b>16</b>

• Course meets a general education requirement

**NOTE:** Mathematics courses may be offered alternate years. Please contact the Mathematics Department for a schedule of classes.

The Academic Planning Sheet 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 an academic 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.

**Graduation Requirement:**

120 semester hours, minimum

**General Education Requirements:**

- 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) Met by major course MATH 1510
- Fine Arts (2)
- Natural Science (4)
  - Biology (2)
  - Chemistry/Physics (2)

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.

**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

**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: 32 semester hours**  
   **BS: 36 semester hours**

- MATH 1510: Calculus I (4)
- MATH 1520: Calculus II (4)
- MATH 3050: Vector Calculus (4)
- MATH 3060: Real Analysis (4)
- MATH 3100: Linear Algebra (4)
- MATH 3110: Modern Abstract Algebra (4)
- MATH 3150: Statistical Theory (4)
- MATH 4010: Fourth-Year Seminar (2)
- MATH 4020: North Park Distinctives in Mathematics (2 or 4)

**BS degree only:**

- MATH 3620: Numerical Methods (4)

**Elective Courses: 4 semester hours**

Four additional hours in Mathematics numbered 2000 or higher.

**Notes:**

- A comprehensive examination is required for graduation.
- An oral presentation of a paper outside of the classroom is required.
- For students in secondary education: The B.A. in Math requires 36 sh in MATH, namely MATH 1510, 1520, 3010, 3050, 3060, 3100, 3110, 3150, 3210, 4010, and 4020, as well as CSIS 1210 as a supporting course.

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