

**Degree Requirements - Bachelor of Science
Pure Mathematics 2016-2018 Catalog**

Name _____

Semester Enrolled _____

Freshman English/Writing: (6 hours)

_____ ENG 1463 Freshman English A* (See Catalog)

_____ ENG 1473 Freshman English B
OR

_____ ENG 1803 Honors Freshman English

Communication: (3 hours)

_____ COM 2013 Oral Communication

Physical Well-Being (1 hour)

Choose one:

_____ HPR 1011 Life Fitness Concepts

_____ HPR 1**1 One hour of PE activity

Fine Arts and Humanities: (6 hours)

Choose one:

_____ ENG 2013 World Literature I

_____ ENG 2023 World Literature II

_____ ENG 2683 Masters of Western Literature

_____ ENG 2793 Masters of Western Literature - Honors

Choose one:

_____ ART 2033 Humanities: Art

_____ MUS 2033 Humanities: Music

_____ THA 2033 Humanities: Theatre Arts

_____ HUM2093 Fine Arts: Honors

_____ ART2603 Humanities: Studio Art

_____ MUS 4363 or 4373 Music history

Social Science: (9 hours)

Choose one:

_____ HIS 1013 Civilization to 1660

_____ HIS 1023 Civilization since 1660

_____ HIS 1043 Civilization since 1660-Honors

Choose one:

_____ HIS 2053 U.S. United States to 1877

_____ HIS 2063 U.S. United States since 1877

_____ PSC 1013 American National Government

Choose one:

_____ ANT 2013 Intro. To Cultural Anthropology

_____ ECO 2013 Macroeconomics

_____ ECO 2023 Microeconomics

_____ GEO 1023 Intro to Geography

_____ GEO 2163 World Geography

_____ PSY 1013 General Psychology

_____ PSY 1073 General Psychology – Honors

_____ SOC 1013 Intro to Sociology

Or other course listed in first two sections

Natural Sciences (16 hours)

Required:

_____ BIO 1013/1021 Intro to Biology and Lab

_____ CHM 1014 University Chemistry I

_____ PHY2234 University Physics I

Choose one:

_____ BIO 2104 General Botany

_____ BIO 2114 General Zoology

_____ CHM 1024 University Chemistry II

_____ PHY2244 University Physics II

Nonwestern Culture: (3 hours)

_____ ANT 3043 North American Indians

_____ ANT 3053 World Cultures

_____ ART 3103 Art of the Nonwestern World

_____ EDU 4543 Teaching People of Other Cultures

_____ ENG 3043 Nonwestern Literature

_____ GEO 3173 Geography of the Pacific

_____ HIS 4673 Asian Civilizations

_____ HIS 4683 The Modern Middle East

_____ HIS 4693 African History

_____ HPR 3973 History & Philosophy of Nonwestern

Leisure, Culture Wellness & Sport

_____ MUS 3473 Survey of Nonwestern Music

_____ NSG 3643 Trans-cultural Health Care

_____ PHI 3023 Religions of the World

_____ PHY 4293 Nonwestern Cosmology

_____ PSC 4233 Comparative Politics in the Middle East

_____ PSC 4243 Comparative Politics in Africa

_____ PSC 4253 South Asian Politics

_____ PSY 3043 Cross-Cultural Psychology

_____ PSY 3053 Multicultural Mental Health

_____ SOC 3063 World Cultures

_____ GEN 3083 Study Abroad: Non-Western

Core Elective: (3 hours)

Choose one:

_____ PHI 2013 Intro to Philosophy (English B prereq)

_____ PHI 2083 Introduction to Philosophy - Honors

_____ PHI 3043 Ancient Philosophy

_____ PHI 3053 Modern Philosophy

_____ PHI 3113 Ethics

_____ FRE 1013 French I (or higher)

_____ GER 1013 German I (or higher)

_____ SPA 1013 Spanish I (or higher)

_____ MTH xxx3 (*not used in major*)

_____ STA xxx3 (*not used in major*)

*Or any other course listed in the Liberal Arts Core that
has not been used to fulfill any other category*

Writing across the Curriculum: (3 hours)

Choose one:

_____ ENG 3313 University Writing

_____ ENG 4453 Advanced Composition

_____ ENG 3613 Technical Writing

_____ MMC4223 Magazine & Feature Writing

_____ MMC4293 Creative Nonfiction

Writing Intensive (WI) Requirement: Must pass with a
grade of “C” or better

Henderson Seminar: (1 hour)

_____ GEN 1031 Henderson Seminar (freshmen only)

Computer Science: (4 hours)

_____ CSC 1104 Foundations of Computer Science I

_____ CSC 1104L Foundations of Computer Science I lab

Mathematics (43 hours)

_____ MTH 1294 Calculus I

_____ MTH 2044 Calculus II

_____ MTH 2283 Discrete Mathematics

_____ MTH 3104 Calculus III (fall)

_____ MTH 3113 (WI) Linear Algebra (spring)

_____ MTH 3163 Probability and Statistics I (fall)

_____ MTH 3573 Transition to Advanced Mathematics
(fall)

_____ MTH 4133 Algebraic Structures I (fall)

_____ MTH 4901 Senior Project – Math

_____ Jr/Sr MTH/STA Elective *or* MTH2323 Statistical
Methods

_____ Jr/Sr MTH/STA Elective

_____ Jr/Sr MTH/STA Elective

_____ Jr/Sr MTH/STA Elective

At most three hours of MTH/STA internship will count
toward the pure mathematics degree.

Electives (as needed to meet 120 hour minimum)

Minor Courses (*Varies by department*)

Minimum total credit hours: 120

Minimum Jr./Sr. hours: 42