

# MERCYHURST UNIVERSITY 2014-2015 DEGREE REQUIREMENTS

Name \_\_\_\_\_

## CORE CURRICULUM

### **CORE AREA I. Required Freshmen Component (Take 1 in each subcategory)**

Interdisciplinary/ Integrative

Research & Writing

Literary Classics

### **CORE AREA II. Religious & Philosophical Inquiry (Take 1 in each subcategory)**

Religious Traditions

Philosophy

### **CORE AREA III. Language or Literature (Take only 1)**

Language/Literature

### **CORE AREA IV. Civic Responsibility & Historical Understanding (Take 1 in each subcategory)**

U.S. History **or** American Government

European or World History

### **CORE AREA V. Scientific, Quantitative & Critical Reasoning (Take 1 in each subcategory)**

Natural Science w/ lab

Math/Comp Systems

### **CORE AREA VI. Arts Encounter (Take only 1)**

### **CORE AREA VII. Analysis of Indv & Society (Take 2)**

### **CORE AREA VIII. Global Awareness, Responsibilities, Religions, Cultures and Politics (Take 2)**

### **CORE AREA IX. Any Course from Categories II-VIII (Take 1)**

### **CORE AREA X. Mercyhurst Senior Capstone**

Ethics

- 1) Research & Writing and Mathematics must be taken in the first year.
- 2) Applied Ethics or Social Ethics must be taken during senior year.
- 3) A minimum of 121 credits are required to graduate.

**\*\* All students MUST take at least 2 Religious Studies Courses - one from Core Area II and an additional Religious Studies course from any other Core Area excluding Core Area X (Senior Capstone)**

## MAJOR - MATHEMATICS

MATH 170 Calculus I

MATH 171 Calculus II

MATH 150 Linear Algebra

MATH 233 Calculus III

MATH 240 Differential Equations

MATH 245 Geometry

MATH 250 Numerical Methods

MATH 265 Transition to Advanced Mathematics

MATH 280 Modern Algebra

MATH 291 Statistical Analysis

MATH 370 Advanced Calculus

MATH 400 Topics in Mathematics \*may be repeated

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## MINOR - MATHEMATICS

MATH 150 Linear Algebra

MATH 170 Calculus I

MATH 171 Calculus II

MATH 233 Calculus III

Take Four (4) courses from the following:

MATH 240 Differential Equations

MATH 245 Geometry

MATH 250 Numerical Methods

MATH 265 Transition to Advanced Mathematics

MATH 280 Modern Algebra

MATH 291 Statistical Analysis

MATH 370 Advanced Calculus

MIS 126 Programming I

PHYS 201/203 General Physics I & Lab

PHYS 202/206 General Physics II & Lab

MATH 400 Topics in Mathematics \* may be repeated