# MERCYHURST COLLEGE 2009-2010 DEGREE REQUIREMENTS

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## CORE CURRICULUM

### COMMON CORE

1. ( ) American History
2. ( ) Arts Appreciation
3. ( ) College Writing I
4. ( ) College Writing II
5. ( ) European or World History
6. ( ) Mathematics
7. ( ) Natural Science
8. ( ) Philosophy
9. ( ) Religious Traditions
10. ( ) Western or World Classics

### DISTRIBUTION CORE

11. ( ) Behavior/Social Science (3 credits)
12. ( ) Behavior/Social Science (3 credits)
13. ( ) Ethics
14. ( ) Humanities
15. ( ) Mathematics/Natural Sciences
16. ( ) Religious Studies
17. ( ) World Perspectives (3 credits)
18. ( ) World Perspectives (3 credits)

### MAJOR-MATHEMATICS EDUCATION

1. ( ) MATH 170 Calculus I
2. ( ) MATH 171 Calculus II
3. ( ) MATH 233 Calculus III
4. ( ) MIS 126 Programming I
5. ( ) MATH 150 Linear Algebra
6. ( ) MATH 240 Differential Equations
7. ( ) MATH 245 Geometry/Education
8. ( ) MATH 250 Numerical Analysis
9. ( ) MATH 260 Applied Mathematics
10. ( ) MATH 265 Transition to Advanced Mathematics
11. ( ) MATH 280 Modern Algebra
12. ( ) MATH 290 Probability Theory
13. ( ) MATH 291 Statistical Analysis
14. ( ) MATH 300 Methods in Secondary Education Mathematics
15. ( ) MATH 370 Advanced Calculus

Mathematics secondary education certification is a five-year (Bachelor in Mathematics plus Master Degree in Secondary Education) program. See the Education Department for the fifth year requirements. Students seeking secondary education certification should take Math 245 Geometry/Education as a replacement for the MIS 226 Programming II, Math 400 Topics in Mathematics or Internship/Co-op option.

## ELECTIVES

1. ( )
2. ( )
3. ( )
4. ( )
5. ( )
6. ( )
7. ( )
8. ( )

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1) College Writing I, College Writing II and Mathematics must be taken in the first year.

2) Behavior/Social Sciences-Choose courses from two different depts; one must be taken in first year.

3) Mathematics/Natural Sciences courses taken from Distribution Core must differ from the Mathematics/Natural Sciences courses taken from Common Core; the second Natural Sciences must be taken from different dept.

4) World Perspectives: one must be non-Western.

5) Applied Ethics or Social Ethics must be taken during senior year.

6) 120 credits are required for graduation. See the College Catalog for complete details concerning graduations requirements.

6/1/2009