GANNON
UNIVERSITY

School of Education
Curriculum Matrix
Bachelor of Science Degree in Middle Level Education and Special Education PreK-8
Concentration: Mathematics
(2009-2010)

Name: _____ **Date:** _____

Liberal Studies: (33 credits)

Grade: Semester:

_____ _____ (2) EDCR 104 First Year Seminar*
_____ _____ (3) SPCH 111 Fund of Speech
_____ _____ (0) LBST Senior Capstone (met in major)
_____ _____ (3) LENG 111 College Composition
_____ _____ (3) LENG 112 Critical Analysis
_____ _____ (0) LENG Literature Series (met in major)
_____ _____ (0) LFIN Fine Arts Series (met in major)
_____ _____ (3) LHST 111 History West/World
_____ _____ (3) LPHI 131 Introduction to Philosophy
_____ _____ (3) LPHI Philosophy II Series
_____ _____ (3) LPHI 237 Phil Ethical Responsibility
_____ _____ (1) Leadership Seminar
_____ _____ (3) LTHE 121 Sacred Scripture
_____ _____ (3) LTHE Theology II Series
_____ _____ (3) MATH 213 Applied Statistics
_____ _____ (0) Science Series (met in major)
_____ _____ (0) Social Science (met in major)

Professional Education Requirements: (28 credits)

Grade: Semester:

Development, Cognition, and Learning

_____ _____ (3) MLED 200 Planning for the Diff Classrm**
_____ _____ (3) MLED 202 Adolescent Development*
_____ _____ (0) SPED 245 Mtg Needs Stu Excp: PreK-8*

Subject Matter Content/Pedagogy

_____ _____ (3) EDCR 320 Con/Methods: Math, Sci, SS*
_____ _____ (0) SPED 320 Lit for Stud Excep: PreK-8**

Assessment

_____ _____ (3) SPED 306 Data Driven Instruction: SP Ed*
_____ _____ (0) SPED 243 Program Planning/Assmt

4-8 Cognate

_____ _____ (3) MLED 201 Adolescent Literature**
_____ _____ (3) MLED 302 Concepts of Natural Science**
_____ _____ (3) MLED 303 Applications of Math**
_____ _____ (0) SPED 101 Special Education Overview

Supporting Courses

_____ _____ (0) EDCR 101 Psychology of Learn/Teach
_____ _____ (1) EDCR 103 Foundations of Teaching
_____ _____ (3) EDCR 302 Expressive Arts
_____ _____ (3) EDCR 401 Professional Seminar in Ed
_____ _____ (0) EDCR 420 Con/Methods: ELL*

***Practicum embedded throughout the semester.**
****Three-week practicum experience.**

Mathematics Courses (27 credits) ^

Grade: Semester:

_____ _____ (3) MATH 105 Fundamentals of Math
_____ _____ (3) MATH 135 Precalculus
_____ _____ (3) MATH 140 Calculus I
_____ _____ (3) MATH 141 Calculus II
_____ _____ (0) MATH 213 Applied Statistics
_____ _____ (3) MATH 222 Discrete Mathematics I
_____ _____ (3) MATH 226 Geometry
_____ _____ (3) MATH 242 Calculus III
_____ _____ (3) MATH 252 Linear Algebra
_____ _____ (3) MATH 260 History of Mathematics
_____ _____ (0) MLED 303 Applications of Math**

^Courses may vary based on placement testing.

***Additional Content Courses* (18 credits)**

English/Language Arts and Reading

_____ _____ (0) LENG 111 College Composition
_____ _____ (0) LENG 112 Critical Analysis/Comp
_____ _____ (0) MLED 201 Adolescent Literature**
_____ _____ (0) SPCH 111 Fundamentals of Speech

Social Studies

_____ _____ (3) EDCR 101 Psychology of Teaching/ Learning
_____ _____ (3) GEOG 201 World Geography
_____ _____ (0) LHST 111 History of the West/World
_____ _____ (3) POLI 111 U.S. Government/Politics

Science

_____ _____ (3) BIOL 104 Human Biology
_____ _____ (3) CHEM 166 Issues in Science/Technology
_____ _____ (3) ENG 101 Introduction to Engineering
_____ _____ (0) MLED 302 Concepts of Natural Science**

ELL/Special Education (33 credits)

_____ _____ (3) EDCR 420 Con/Methods: ELL*
_____ _____ (3) SPED 101 Special Education Overview
_____ _____ (3) SPED 242 Collaboration/Partnerships
_____ _____ (3) SPED 243 Program Planning/Assmt*
_____ _____ (3) SPED 245 Meet Need Stu Excp: PreK-8*
_____ _____ (3) SPED 250 Strat for Acc/Mod: PreK-8
_____ _____ (3) SPED 306 Data Driven Instruction: SP Ed*
_____ _____ (3) SPED 307 Low Incidence Disabilities
_____ _____ (3) SPED 308 High Incidence Disabilities
_____ _____ (3) SPED 320 Lit for Stud Excep: PreK-8**
_____ _____ (3) SPED 322 Pos Behavior Supp/Interv

Student Teaching Requirement: (12 credits)

Grade: Semester:

_____ _____ (12) EDFL 410 Student Teaching

Total Credits: 145

- **All education courses require a grade of C or better.**
- **LENG 111, LENG 112, Literature Series, MATH 105, and MATH 213 require a C or better.**
- **A GPA of 3.0 or greater is required of all students seeking teacher certification.**