2009 - 2012
University of South Alabama
College of Education
Alternative Master's Program – Secondary Mathematics

Name_____   Student Number_____

Advisor_____   Term Entered _____

Minimum semester hours required: 45

		Hours	Sem.	Grade

I. **Curriculum and Teaching** (9 hours)
SED 555   Curriculum and Teaching in Secondary School   3   ___   ___
SED 559   Advanced Instructional Techniques   3   ___   ___
SED 554   Teaching Mathematics in Secondary Schools (spring only)   3   ___   ___
(Prerequisites: SED 555, EPY 525)

II. **Foundations of Education** (6 hours)
EDF 515   Multicultural Education   3   ___   ___
EPY 502   Psychological Principles of Learning   3   ___   ___

III. **Evaluation of Teaching and Learning** (3 hours)
EPY 525   Assessment and Research in Education   3   ___   ___

IV. **Technology** (3 hours)
EDM 510   Microcomputing Systems in Education   3   ___   ___

V. **Reading in the Content Areas** (3 hours)
RED 541   Literacy in the Content Areas   3   ___   ___

VI. **Mathematics Teaching Field** (15 hours, 500 level)
MA 502 Introduction to Abstract Algebra   3   ___   ___
MA 503 Introduction to Analysis   3   ___   ___
MA 504 Introduction to Geometry   3   ___   ___
MA 505 Mathematical Problem Solving   3   ___   ___
MA 506 Statistics for Teachers   3   ___   ___

VII. **Internship** (6 hours)
SED 598   Internship in Secondary Education Math   6   ___   ___
(Prerequisites:SED 554, 555, 559, EPY 525 & Praxis II 0061)

All certification programs require an introductory special education course SPE 500 if not previously completed. This is in addition to the requirements above.

VIII.   **Special Education**   **0**-3   ___   ___

* Specific admission prerequisites are listed on the back of the program sheet.

"Please be aware that students admitted in the Non-Degree status are not eligible for financial aid."

Alternative Master's Program – Secondary Mathematics

Prerequisite Coursework and Tests for Admission

Academic major in mathematics, engineering, or science or 32 semester hours/19 in upper division in mathematics courses. Additionally, the applicant must have completed the six courses or their equivalent listed below and pass the appropriate Praxis II test listed below in order to gain admission into the alternative master's program:

Course number	Title	Semester Hours
MA 125, 126 & 227	Calculus I II & III	12
MA 237	Linear Algebra	3
MA 238	Applied Differential Equations	3
MA 320	Foundations of Mathematics	3

Official GRE test scores including the analytical section, satisfactory performance on all three components of the APTT, passing score on the prescribed Praxis II subject assessment of the APTTP and a clear SDE background check are required for admission.

Additional Information

1. Keep a copy of this program checklist and maintain it. You *must* complete all program requirements for graduation and teacher certification. Course substitutions are not permitted. Also, note course prerequisites and follow them. You will be withdrawn from a course if you do not meet the stated prerequisites.

2. Teaching field courses must be consistent with your area of certification. Your advisor must approve your choices for this requirement.

3. Successful completion of PRAXIS II test (0061 Mathematics: Content Knowledge) appropriate to the grade level of certification sought is required **prior to admission**.

4. You **must** take a comprehensive end-of-program examination <u>during the semester in which you complete your degree requirements</u>. Application forms can be obtained from Student Services, UCOM 3020 or online at <u>http://www.southalabama.edu/coe/forms/compsapp.pdf</u> .

5. Graduation deadlines are posted on bulletin boards in UCOM hallways and are listed in class schedules and the University Bulletin. Application forms are available in the Office of the Registrar.

6. Class 'A' teaching certificate applications are available in the Student Services office, UCOM 3020.

7. Confer with your assigned advisor when you have questions concerning your program. Remember that advisors give advice, they are not responsible for your program. That is your personal responsibility.