

Murray State University
DEPT. OF MATHEMATICS AND STATISTICS
MATHEMATICS/ SECONDARY CERTIFICATION AREA (GRADES 8-12)
 Bachelor of Science/Bachelor of Arts Degree
CURRICULUM OUTLINE

	Enrolled	Semester Completed	Grade
MAT 099 Freshman Orientation	_____	_____	_____
MAT 250 Calculus I*	_____	_____	_____
MAT 308 Calculus II *	_____	_____	_____
MAT 309 Calculus III*	_____	_____	_____
MAT 312 Mathematical Reasoning	_____	_____	_____
MAT 335 Matrix Theory & Linear Algebra	_____	_____	_____
MAT 510 Foundations of Geometry	_____	_____	_____
MAT 540 Mathematical Statistics I	_____	_____	_____
MAT 550 Teaching Mathematics I	_____	_____	_____
MAT 551 Teaching Mathematics II	_____	_____	_____

*Also satisfies University Studies Requirements

(A) Nine hours of math courses including:

(1) At least one course from:

MAT 421 Introduction to Algebraic Structures, MAT 505 Abstract Algebra I, MAT 516 Topology I, and/or MAT 525 Advanced Calculus I.

MAT _____

(2) At least one course from:

MAT 442 Numerical Analysis, MAT 501 Mathematical Modeling, MAT 524 Boundary Value Problems, and/or MAT 541 Mathematical Statistics II.

MAT _____

(3) One 3 hour mathematics course numbered 400 or above.

MAT _____

(B) One Course in Computer Science:

CSC 145 _____

(C) At least nine hours selected from MAT courses numbered 400 or above or from disciplines related to the application of mathematics. (See list below)

1. _____
2. _____
3. _____

Chemistry

CHE 201
CHE 202
CHE 305
CHE 403
CHE 410

Economics

ECO 230
ECO 231
ECO 330
ECO 331

Computer Science

CSC 136
CSC 235
CSC 330
CSC 345
CSC 420
CSC 445
CSC 515
CSC 520

Physics

PHY 235/236
PHY 240
PHY 255/256
PHY 259
PHY 264
PHY 330
PHY 340
PHY 359
PHY 370
PHY 470

**Manufacturing/Mechanical
Engineering Technology**

ENT 287
CET 298
ENT 400
IET 597

Civil Construction Engineering

ENT 382

REQUIRED FOR SECONDARY CERTIFICATION IN MATHEMATICS

	Enrolled	Semester completed	Grade
COM 161*	_____	_____	_____
PSY 180*	_____	_____	_____
HEA 191	_____	_____	_____
EDU 103*	_____	_____	_____
EDP 260*	_____	_____	_____
EDU 303	_____	_____	_____
COM 372	_____	_____	_____
SED 300	_____	_____	_____
EDU 403 Required one or two semesters prior to student teaching.	_____	_____	_____
SEC 420	_____	_____	_____
SEC 422	_____	_____	_____
EDU 405	_____	_____	_____
SEC 421 Student Teaching	_____	_____	_____

*Also satisfies University Studies Requirements.

Teacher certification requirements are subject to change. Before registering for the test(s), please refer to the Education Professional Standards Board (EPSB) website at www.kyepsb.net for current requirements or contact the Division of Internship and Assessment at 502-564-4606 or 888-598-7667.

GRADE POINT AVERAGE REQUIREMENTS:

Grade point averages are reviewed during three checkpoints: admission to teacher education (see Requirements for Admission to Teacher Education), admission to student teaching (requires a 2.75 average overall; a 2.75 average in content area; a 2.75 average in professional education) and at the time of completion/graduation (2.75 overall).

REQUIREMENTS FOR ADMISSION TO TEACHER EDUCATION AND STUDENT TEACHING AT MURRAY STATE UNIVERSITY Rev. (9/2015)

Teacher Education

To be admitted to teacher education, students must:

1. Attend an admission to teacher education orientation.
2. Earn passing scores on the Core Academic Skills for Educators (CASE) test with these subject scores – Reading 156, Writing 162, and Mathematics 150. Request ETS to send scores to Teacher Education Services electronically by using this code, R1494. If any of the PPST subject areas were passed prior to September 1, 2014, use these PPST scores - Reading 176, Writing 174, and Math 174. GRE (Graduate Records Exam) scores may be used for Graduate Students only with a minimum passing score of 150 in verbal, 143 in quantitative, and 4.0 in analytical writing.
3. Earn an overall undergraduate GPA of > 2.75 on a 4.0 scale at the point of admission. This 2.75 minimum GPA remains a requirement throughout the teacher certification program.
4. Complete a minimum of 24 credit hours with a GPA > 2.75 to include the following coursework:
 - a. ENG 101, 102, 104 or 105 with a “B” or higher
 - b. MAT 117 (or higher level math) with a “B” or higher
 - c. COM 161 or HON 165 with a “B” or higher
 - d. EDU 103 with a “B” or higher (or AED 380 or EDU 104 or CTE 200 or MSU 123 or ELE 605 [graduate students])
5. Participate in the admission to teacher education interview and receive their academic advisor’s recommendation to continue the program.
6. Review the Professional Code of Ethics for Kentucky School Personnel. Sign the
 - a. Declaration of Eligibility (pink sheet) affirming a commitment to uphold the code and
 - b. acknowledging awareness of information required for state certification. If answers given on the Declaration of Eligibility change during the time of participation in the teacher education program, the Director of Teacher Education Services must be notified immediately.

These requirements must be documented in *Recruiter*. CASE or GRE scores must be sent to MSU (R1494) via ETS. Admission will only be granted following a successful review by Teacher Education Services.

NOTE: Students who have not been admitted to Teacher Education will not be eligible to enroll in upper level courses that specify admission to teacher education as a prerequisite.

Student Teaching

To be admitted to student teaching, students must have

- 1) been granted admission to Teacher Education;
- 2) filed a formal application in Teacher Education Services two semesters prior to the term in which student teaching is desired (Applications are distributed at scheduled student teaching orientations only.);
- 3) earned and maintained GPA > 2.75 in major/areas, professional education, and overall;
- 4) demonstrated teaching ability in field and clinical situations;
- 5) documented completion of 200 or more field hours and components (beginning 9/1/2013);
- 6) senior, post-bac, or graduate status and have completed all major courses and specialty areas;
- 7) been admitted to Teacher Education;
- 8) completed all required professional teacher education courses (EDU 103, EDP 260,
- 9) EDU 303, SED 300 and EDU 403, etc. – see specific requirements by major or area) with a GPA > 2.75 GPA;
- 10) filed a valid and current medical examination, which includes a TB risk assessment (to begin student teaching within six months of exam);
- 11) obtained a criminal records background check; and
- 12) supplied TES with any other required information (transcripts, course substitution forms, etc.).

General Requirements for Kentucky Certification

Graduates who wish to be recommended by MSU for an initial Kentucky teaching certificate must have

- 1) successfully completed an approved teacher education program including student teaching;
- 2) filed an application for certification (CA-1) with Teacher Education Services at MSU;
- 3) obtained at least minimal scores required on PRAXIS specialty area tests and the appropriate Principles of Learning and Teaching Test (PLT);
- 4) completed all applicable **computer literacy and applications** requirements;
- 5) earned a bachelor's degree;
- 6) mailed a copy of criminal record check to EPSB; and
- 7) sent official transcript to EPSB.

In addition, in Kentucky, full certification requires the completion of the Kentucky Teacher Internship Program. To be recommended for certification in other states, all Kentucky requirements must be met.

NOTE: Requirements for teacher certification are established by the Kentucky Education Professional Standards Board (KEPSB). Students are cautioned that changes in these requirements may occur after publication of the current Murray State University *Bulletin*. For the most current information, students should check with an advisor in one of the departments in the College of Education.

Advisor's Signature _____ Date _____

Student's Signature _____ Date _____