

Updated Spring 2009

B.S. in Mathematics with Teaching Certification

Student's Name _____

Student's ID Number _____

Student's e-mail address _____

Advisor _____

General Requirements: 124 semester hours.

Only 62 hours can be transferred from a Junior or Community College.

Unlimited hours may be transferred from a Senior College. However, no degree will be granted from MSU with less than 31 upper division (3000+) Arts and Sciences hours. These 31 upper division (3000+) Arts and Sciences hours must be taken at MSU. A student needs at least a 2.5 GPA in Calc. I-IV, DE and Linear Algebra before advancing to upper level math courses. At the completion of the degree the overall average must be at least a C.

Basic Skills: Students must take the following courses.

EN 1103 _____

EN 1113 _____

FL 1123 _____²

¹ Communications requirement met by EDF4243.

²The foreign language requirement is *2nd semester proficiency* of one foreign language at the freshman level.

(9)

Fine Arts: Students must take **one** of the following courses.

ARC 1013 _____

ARC 2313 _____

ARC 3313 _____

ARC 3323 _____

ART 1013 _____

ART 1023 _____

ART 1113 _____

ART 1193 _____

ART 3143 _____

CO 1503 _____

MU 2213 _____

MU 2323 _____

MU 1113 _____

(3)

Natural Sciences: Students must take one of the following three tracks.

Track 1:

CH 1213 _____

CH 1211 _____

PH 2213 _____

PH 2223 _____

Track 2:

CH 1213 _____

CH 1211 _____

BIO 1134 _____

BIO 1144 _____

Track 3:

PH 2213 _____

PH 2223 _____

BIO 1134 or BIO 1144 _____

(10-12)

Humanities: Students must take one Literature course and one History course from the A&S core list.

HI _____

EN Lit _____

(6)

Social Sciences:

PSY 1013 _____

_____ Choose SS other than PSY

(6)

(Continued on the back)

Education

- PSY 3343 Psychology of Learning____
 - EDF 3333 Social Foundations of Education____
 - EDS 3411 Practicum in Secondary Education____
 - EDF 4243 Planning for Diversity of Learners____
 - RDG 3513 Development of Reading Strategies in the Secondary School Content Area____
 - EDS 3633 Secondary Mathematics Education____Spring only
 - EDS 4633 Methods of Teaching Mathematics____Fall only
 - EDX 3213 Psychology and Education of Exceptional Children____
 - EPY 3253 Evaluating Learning____
 - EDS 4873 Seminar in Managing the Secondary Classroom____
- (28)

Student Teaching

- EDS 4886 Student Teaching ____
 - EDS 4896 Student Teaching____
- (12)

Mathematics and Statistics (C average)

- MA 1713 Calculus I ____
 - MA 1723 Calculus II ____
 - MA 2733 Calculus III____
 - MA 2743 Calculus IV____
 - MA 3113 Linear Algebra____
 - MA 3253 Differential Equations I____
 - MA/ST 3123 Introduction to Statistical Inference____
 - MA 3053 Foundations of Math ____
 - MA 3463 Foundations of Geometry
 - MA 3163 Introduction to Modern Algebra ____
 - MA 3513 History of Mathematics____
 - MA 4633 Advanced Calculus I____
 - MA 4000 Elective
 - MA/ST 4523 Introduction to Probability or MA/ST 4533 Introductory Probability and Random Processes or MA/ST 4543 Introduction to Mathematical Statistics____
- (42)

Writing requirement

- EDF 3413 Writing for Thinking____
- (3)

Computer Science

Electives 2 hours if science track 1 or 3 is chosen

- CSE 1213____ or CSE 1213____ _____
- (3) (0 - 2)

Courses shaded in green fulfill the A&S upper level course requirement.

EDF 3333 Social Foundations of Education and EDX 3213 Psychology and Education of Exceptional Children can be taken without permission from the education dept.

All other courses require students to be admitted to the Teacher Education Program.

For information or to apply to teacher education you will need to contact Dr. Dana Franz, Allen 342 df76@colled.msstate.edu . Admittance to Teacher Education includes a grade evaluation of General Education courses, 40 hours of work experience with children, Letters of Recommendation (form letter), ACT score of 21 or higher (no subscore lower than 18) OR Praxis 1, and acceptance of Teacher Dispositions and Education Licensure.

Approval of your admission takes several weeks, so please see Dr. Franz as soon as you decide to pursue this Plan of Study.

- **Students must show 40 hours work experience with children or youth. Church camps count.**
- **See page 108 of the current MSU Undergraduate Bulletin**