

Professional Field Emphasis in Mathematics

Online Graduate Program Advising Form

Southwest Minnesota State University

Name _____ Expected Graduation Date _____
MO/YR

Bachelor's Degree/Date Awarded _____

Date you entered graduate classes at SMSU: _____ Graduate Application Approval _____

Professional Education Core

Professional Education Core Courses (11 credits)			
ED 623	Professional Planning & Assessment	2	F2 – FE&O
ED 625	21 st Century Brain-Based Teaching and Learning	3	F1 - E
ED 632	Linking Pedagogy & Content	3	F2 - O
ED 635	Content & Curriculum Development	3	Sp2 -O

Research Component

Research Component Courses (8 credits)			
ED 622	Research in Education	3	*F1 – E & O *Sp1 – E & O
ED 624	Research Project Design	3	*Sp1 – E & O *Su1 – E & O
ED 627	Research Project Implementation	2	Sp2 – E & O

Professional Field Emphasis

Professional Field Emphasis – Mathematics Courses (12 credits)			
MATH 510	Topics in Number Theory	3	Su – O
MATH 530	Statistics	3	Su – O
MATH 545	Advanced Geometry	3	Su - E
MATH 550	Real Analysis	3	Su - E

Mathematics Electives – (6 credits)			
MATH 501	Introduction to Mathematical Logic	3	Sp.
MATH 505	Topics in History of Math	3	Sp.
MATH 515	Advanced Discrete Mathematics	3	Sp.
MATH 560	Applied Linear Algebra	3	Sp.
MATH 586	Selected Topics in Mathematics: Graph Theory	3	Sp.

Note: This is a tentative schedule. Classes will be offered based on enrollment.

Student Signature _____ **Date** _____

Advisor Signature _____ **Date** _____

Program Director Signature _____ **Date** _____

F-Fall, Sp-Spring, Su-Summer; E- Available even years only O- Available odd years only; 1- Take in first year of program 2- Take in second year of program. You are responsible to keep informed of any changes in requirements, which may affect your academic career. *- First listing is the suggested time to take this course however; it is available more than once each year. You are responsible to keep informed of any changes in requirements, which may affect your academic career.