

**Professional Field Emphasis in Mathematics**  
On-Campus 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 <sup>st</sup> 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

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

**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.