

**College of Arts and Science  
Department of Mathematics  
Minor in Mathematics**

Students must complete Math 1500, 1700 and 2300 and three courses from the list below. A minimum of 22 credit hours in Math courses is required for the Math Minor Degree. [Students transferring credit hours must make sure that their on-campus and transfer courses total at least 22 hours. Nine of the 22 credit hours must be completed on-campus.] A course in which a grade of D+ or below was received will not count towards the minor.

Name (Last, First)

Student Number

Date Form Filled

Current Major

First College Semester

Semester of Graduation

Degree

Local Address

Permanent Address

**REQUIRED MATH COURSES**

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	DO NOT WRITE IN SPACE BELOW
MATH 1500 [80]	Calculus I		
MATH 1700 [175]	Calculus II		
MATH 2300 [201]	Calculus III		

**ADDITIONAL COURSES:** Choose nine credit hours from the following list:

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|---|--|
| <p>MATH 2320 [226]: Discrete Mathematical Structures, 3 hrs.<br/> MATH 4001 [301]: Topics, 3 hrs.<br/> MATH 4100 [304]: Differential Equations, 3 hrs.<br/> MATH 4140 [331]: Matrix Theory, 3 hrs.<br/> MATH 4150 [355]: History of Mathematics, 3 hrs.<br/> MATH 4300 [307]: Numerical Analysis, 3 hrs.<br/> MATH 4310 [308]: Numerical Linear Algebra, 3 hrs.<br/> MATH 4315 [320] (STAT 4710 [320]): Introduction to Mathematical Statistics, 3 hrs.<br/> MATH 4320 [325] (STAT 4750 [325]): Introduction to Probability Theory, 3 hrs.<br/> MATH 4330 [335]: Theory of Numbers, 3 hrs.<br/> MATH 4335 [360]: College Geometry, 3 hrs.<br/> MATH 4345 [366]: Foundations of Geometry, 3 hrs.<br/> MATH 4350 [367]: Introduction to Non-Euclidean Geometry, 3 hrs.<br/> MATH 4355: Investment Science I, 3 hrs.</p> | <p>MATH 4360: Actuarial Mathematics, 3 hrs.<br/> MATH 4400 [372]: Introduction to Topology, 3 hrs.<br/> MATH 4500 [309]: Applied Analysis, 3 hrs.<br/> MATH 4520 [326] (STAT 4760 [326]): Statistical Inference, 3 hrs.<br/> MATH 4540 [314]: Mathematical Modeling I, 3 hrs.<br/> MATH 4560 [316]: Nonlinear Dynamics, Chaos and Fractals, 3 hrs.<br/> MATH 4580 [315]: Mathematical Modeling II, 3 hrs.<br/> MATH 4590: Investment Science II, 3 hrs.<br/> MATH 4700 [310]: Advanced Calculus I, 3 hrs.<br/> MATH 4720 [340]: Introduction to Abstract Algebra I, 3 hrs.<br/> MATH 4900 [311]: Advanced Calculus II, 3 hrs.<br/> MATH 4920 [341]: Introduction to Abstract Linear Algebra, 3 hrs.<br/> MATH 4940 [305]: Introduction to Complex Variables, 3 hrs.<br/> MATH 4960 [350]: Special Readings, 3 hrs.</p> |
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COURSE NO.	TITLE OF COURSE	CREDIT HOURS	DO NOT WRITE IN SPACE BELOW

Total Hours of Mathematics Courses:

Student \_\_\_\_\_ Date \_\_\_\_\_

Advisor \_\_\_\_\_ Date \_\_\_\_\_

Director of Undergraduate Studies \_\_\_\_\_ Date \_\_\_\_\_

Dean \_\_\_\_\_ Date \_\_\_\_\_

## REQUIREMENTS FOR A MINOR IN MATHEMATICS

To minor in Mathematics a student should satisfy the following:

1. Complete 22 hours of course credit in Math courses numbered 1500 (80) or above
2. At least nine of these hours must be in other than readings, methods, techniques or problems
3. A minimum of nine of these hours must be in courses numbered 4000 or above (one of these can be Math 2320).

## SPECIAL REGULATIONS

1. Arts and Science regulations require that 9 hours must be completed in residence at MU
2. A course in which a grade of D was received will not count toward the minor.

### Examples of sequences that satisfy the Minor requirements in Mathematics

Math 1500 (80), 1700 (175), 2300 (201), 4700 (310), 4900 (311), 4140 (331)  
Math 1500 (80), 1700 (175), 2300 (201), 4320 (325), 4520 (326), 4140 (331)  
Math 1500 (80), 1700 (175), 2300 (201), 2320 (226), 4100 (304), 4315 (320)  
Math 1500 (80), 1700 (175), 2300 (201), 2320 (226), 4100 (304), 4140 (331)  
Math 1500 (80), 1700 (175), 2300 (201), 2320 (226), 4100 (304), 4120 (327)  
Math 1500 (80), 1700 (175), 2300 (201), 4140 (331), 4720 (340), 4920 (341)

Of course other sequences may be designed to satisfy the requirements for a minor in mathematics.

## INSTRUCTIONS FOR FILLING OUT AN APPLICATION FOR A MINOR IN MATHEMATICS

1. Fill the other side of this sheet or the lower part of your Area of Concentration and list all the courses you took or intend to take to satisfy the minor requirements in mathematics. Please indicate transfer credits.
2. Make three copies and have your advisor in major department sign all three. The Director of Undergraduate Studies in Mathematics will not sign the form unless your advisor has already done so.
3. Leave all copies with one of the secretaries in 202 Mathematical Sciences Building to be approved and signed by the Director of Undergraduate Studies.
4. In case your application is approved, you will be able to pick up two of the signed copies in 202 Mathematical Sciences Building the following week. It is recommended that you call (882-6221) to ask if your application is ready beforehand.