

MATHEMATICS AND STATISTICS DEPARTMENT

MAJOR CHECKLIST FALL 2020 – SUMMER 2021

This checklist aids in placement of students into their major coursework and it documents the department evaluation of transferred credit and course waivers, based on coursework listed on the Degree Audit Report (DARs). A student must complete General Education & Liberal Studies(GELS) along with other graduation requirements for graduation – refer to your DARs.

Student Name	Metro State ID #

PRE-MAJOR FOUNDATION REQUIREMENTS: 12 CREDITS

In order to declare a Mathematics Teaching major, students must earn grades of C- or higher and have a cumulative GPA of 2.5 in following courses.

Course #	Title	Transfer Equivalent Details	Grade	Credits	✓
STAT 201	Statistics I				
MATH 210	Calculus I				
MATH 211	Calculus II				

CORE REQUIREMENTS: 28 CREDITS

Once admitted into the major, these lower and upper division courses are required. Take note of prerequisites prior to registering for courses 300-level or higher.

Course #	Title	Transfer Equivalent Details	Grade	Credits	✓
MATH 215	Discrete Mathematics				
MATH 230	Introduction to Mathematical Modeling				
MATH 301	Introduction to Analysis				
MATH 310	Calculus III: Multivariable Calculus				
MATH 315	Linear Algebra and Applications				
MATH 330	Optimization				
MATH 370	Modern Geometry				

Course #	Title	Transfer Equivalent Details	Grade	Credits	✓
MATH 471	Abstract Algebra				
MATH 380	Preparing for MN Licensure Content Exam				

MATHEMATICS EDUCATION METHODS COURSE: 4 CREDITS

This course is required for both the major and licensure. It is strongly recommended to be taken just prior to student teaching.

Course #	Title	Credits	✓
MAED 450	Teaching Mathematics to Urban Learners in Grades 5-12	4	

ADDITIONAL NOTES, CREDIT TOTALS OR COMMENTS:

Academic advisor notes:

GRADUATION REQUIREMENTS

The following is a summary of graduation requirements, reference your DAR's for specific details.

Major Requirements Checklist	In Progress	Completed
32 Major Credits		
20 Metro State Major Credits		

University Requirements Checklist	In Progress	Completed
120 Total Credits (minimum), and GPA of 2.0 or better		
30 Metro State Credits		
40 Upper Division (300 or higher)		
48 Credits GELS	See DARs for details	
3 Credits Racial Issues Graduation Requirement (RIGR)		

CONTACT US

For specific questions about this major program or equivalencies of prior coursework at other institutions, contact the Chair of the Mathematics & Statistics Department at:

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