**MATHEMATICS TEACHING CERTIFICATE Sub-Plan Requirements**

**Campus:** UMICH  
**Career:** ULSA  
**Program:** “blank”  
**Plan:** 5080ABLSA / 5080BSLSA / 5080BSCLSA  
**Sub-Plan:** TEACHCERT

**RG 3385(BA) / 3528(BS) / 5999(BSC) MATHEMATICS TEACHING CERTIFICATION PREREQUISITES**  
*Effective Date FA01/1360 09/05/2001*

**RQ 3512 Prerequisites for the Mathematics Teaching Certificate**  
*Effective Date FA01/1360 09/05/2001*

- LN 0010 MATH 215-217.
- LN 0020 MATH 255-217.
- LN 0030 MATH 285-217.
- LN 0040 MATH 395-396.
- LN 0050 1 computer programming course - EECS 183 or the equivalent.

**RG 3386(BA) / 3529(BS) / 6000(BSC) MATHEMATICS TEACHING CERTIFICATION REQUIREMENTS**  
*Effective Date FA04/1510 09/07/2004*

**RQ 3513 Basic Course Requirements for the Mathematics Teaching Certificate**  
*Effective Date FA04/1510 09/07/2004*

- LN 0010 DISCRETE MATH/MODERN ALGEBRA - MATH 312, 412, or 512.
- LN 0020 DISCRETE MATH/MODERN ALGEBRA - Repeated Courses.
- LN 0030 GEOMETRY - MATH 431, 432, or 531.
- LN 0040 GEOMETRY - Repeated Courses.
- LN 0050 PROBABILITY - MATH 425 or 525.
- LN 0060 PROBABILITY - Repeated Courses.
- LN 0070 ANALYSIS - MATH 351 or 451.
- LN 0080 ANALYSIS - Repeated Courses.
- LN 0090 SECONDARY MATHEMATICS - MATH 486.
- LN 0100 SECONDARY MATHEMATICS - Repeated Courses.

**RQ 3514 Education Course Requirements for the Mathematics Teaching Certificate (RQ 3514) - 8 specific Education courses (totaling 30 units), listed below.**  
*Effective Date FA01/1360 09/05/2001*

- LN 0010 METHODS OF TEACHING MATHEMATICS - EDUC 413 (3 units).
- LN 0020 PRACTICUM IN TEACHING METHODS - EDUC 307I and 307II (4 units).
- LN 0030 EDUCATIONAL PSYCHOLOGY - EDUC 391 (3 units).
- LN 0040 READING AND WRITING - EDUC 402 (3 units).
- LN 0050 EDUCATION IN A MULTI-CULTURAL SOCIETY - EDUC 392 (3 units).
- LN 0060 DIRECTED TEACHING - EDUC 302 (10 units).
- LN 0070 PROBLEMS AND PRINCIPLES OF SECONDARY EDUCATION - EDUC 304 (4 units).

**RQ 3515 Additional Course Requirements**  
*Effective Date FA01/1360 09/05/2001*

- LN 0010 1 introductory course in psychology.
- LN 0020 A minimum of 1 additional Mathematics course. MATH 316, 451, 471, 475, 481, 513, 565, and 566 are particularly appropriate.

*Effective Date FA01/1360 09/05/2001*
MATHEMATICS TEACHING CERTIFICATE Sub-Plan Requirements

RQ 3513  
Basic Course Requirements for the Mathematics Teaching Certificate  
Effective Date FA01/1360 09/05/2001  
LN 0010  DISCRETE MATH/MODERN ALGEBRA - MATH 312, 412, or 512.  
LN 0020  GEOMETRY - MATH 431, 432, or 531.  
LN 0030  PROBABILITY - MATH 425 or 525.  
LN 0040  ANALYSIS - MATH 351 or 451.  
LN 0050  SECONDARY MATHEMATICS - MATH 486.  

RQ 3514  
Education Course Requirements for the Mathematics Teaching Certificate (RQ 3514) - 8 specific Education courses (totaling 30 units), listed below.  
Effective Date FA01/1360 09/05/2001  
LN 0010  METHODS OF TEACHING MATHEMATICS - EDUC 413 (3 units).  
LN 0020  PRACTICUM IN TEACHING METHODS - EDUC 307I and 307II (4 units).  
LN 0030  EDUCATIONAL PSYCHOLOGY - EDUC 391 (3 units).  
LN 0040  READING AND WRITING - EDUC 402 (3 units).  
LN 0050  EDUCATION IN A MULTI-CULTURAL SOCIETY - EDUC 392 (3 units).  
LN 0060  DIRECTED TEACHING - EDUC 302 (10 units).  
LN 0070  PROBLEMS AND PRINCIPLES OF SECONDARY EDUCATION - EDUC 304 (4 units).  

RQ 3515  
Additional Course Requirements  
Effective Date FA01/1360 09/05/2001  
LN 0010  1 introductory course in psychology.  
LN 0020  A minimum of 1 additional Mathematics course.  MATH 316, 451, 471, 475, 481, 513, 565, and 566 are particularly appropriate.  

RG 3481(BA) / 3530(BS) / 6001(BSC)  
MATHEMATICS TEACHING CERTIFICATE TOTALS AND GPA REQUIREMENT  
Effective Date FA01/1360 09/05/2001  
RQ 3516  
Totals and GPA Requirements for the Mathematics Teaching Certification  
Effective Date FA01/1360 09/05/2001  
LN 0010  Minimum 52 credit units required for the Mathematics Teaching Certificate.  
LN 0020  Verify a minor or major in another academic area (usually 20-24 units).  
LN 0030  Minimum 2.0 GPA required in the Mathematical Teaching Certification.  

RG 3455(BA) / 3531(BS) / 6002(BSC)  
AREA DISTRIBUTION REQUIREMENT - FOR MATHEMATICS TEACHING CERTIFICATE CONCENTRATORS  
Effective Date FA01/1360 09/05/2001  
RQ 3517  
Area Distribution Requirement, select 7 units from Humanities, 7 units from Natural Sciences and 7 units from Social Sciences. These units must be taken outside the area of concentration  
Effective Date FA05/1560 09/06/2005  
LN 0010  7 units from Humanities.  
LN 0020  7 units from Natural Sciences.
MATHEMATICS TEACHING CERTIFICATE Sub-Plan Requirements

LN 0030 7 units from Social Sciences.

Effective Date FA97/1060 09/03/1997
LN 0010 7 units from Humanities.
LN 0020 7 units from Natural Sciences.
LN 0030 7 units from Social Sciences.

RQ 3518 Additional Area Distribution Requirement, 3 units in each of 3 of the following 5 areas: Humanities, Natural Science, Social Science, Mathematical & Symbolic Analysis and Creative Expression. Up to 9 units may be Interdisciplinary.

Effective Date FA05 09/06/2005
LN 0010 3 additional units from Humanities.
LN 0020 3 additional units from Natural Sciences.
LN 0030 3 additional units from Social Sciences.
LN 0040 3 units from Mathematical and Symbolic Analysis.
LN 0050 3 units from Creative Expression.
LN 0060 3 units from Interdisciplinary
LN 0070 3 additional units of Interdisciplinary.
LN 0080 3 additional units of Interdisciplinary

Effective Date FA02/1410 09/03/2002
LN 0010 3 additional units from Humanities.
LN 0020 3 additional units from Natural Sciences.
LN 0030 3 additional units from Social Sciences.
LN 0040 3 units from Mathematical and Symbolic Analysis.
LN 0050 3 units from Creative Expression.
LN 0060 3 units from Interdisciplinary
LN 0070 3 additional units of Interdisciplinary.
LN 0080 3 additional units of Interdisciplinary

Effective Date FA97/1060 09/03/1997
LN 0010 3 additional units from Humanities.
LN 0020 3 additional units from Natural Sciences.
LN 0030 3 additional units from Social Sciences.
LN 0040 3 units from Mathematical and Symbolic Analysis.
LN 0050 3 units from Creative Expression.