WAYNE STATE
College of Education

Division of Academic Services

EDUCATION BUILDING (ROOM 489)
(313) 577-1601
askcoe@wayne.edu
education.wayne.edu

ADVISING
- Find my advisor
- Meet with my advisor
- Virtual Drop-Ins
  Tuesdays 9am to 4pm via Zoom

GENERAL EDUCATION (~31 CREDITS)
Competency Requirements:
☐ Basic Composition
☐ Intermediate Composition
☐ Oral Communication
☐ Quantitative Experience (content)
Inquiry Requirements:
☐ Natural Scientific Inquiry
☐ Natural Scientific Inquiry w/Lab
☐ Civic Literacy Inquiry
☐ Social Inquiry
☐ Cultural Inquiry
☐ Diversity Equity & Inclusion Inquiry
☐ Global Learning Inquiry

MICHIGAN TRANSFER AGREEMENT (MTA)
☐ Will meet all general education requirements at WSU
✓ Issued by the Two Year Institution
✓ Minimum of 30 credits in certain areas
✓ Can be completed while attending WSU

CLINICAL EXPERIENCES
☐ TED 5780 requires a formal application the semester before the experience

Please consult the University Bulletin (bulletins.wayne.edu/undergraduate) for official curriculum.

ADVISING GUIDE
Secondary Education
Mathematics: Grades 5-9

Earning your bachelor's degree from the College of Education with a Mathematics emphasis in grades 5-9 will allow you teach in middle school settings. Students are highly encouraged to add an additional endorsement area to their program. The core areas of this program consists of general education, education foundations, content, methods, and internship.

PROGRAM COURSE WORK (101-107 CREDITS)
CONTENT (27-33 CREDITS)

☐ **MAT 1070:** *College Algebra (5cr)**^
☐ **MAT 1800:** *Elementary Functions (4cr)*^
☐ **MAT 2010:** *Calculus I (4cr)*^
☐ **MAT 2860:** Discrete Mathematics (3cr)
☐ **STA 1020:** Elementary Statistics (3cr) or
   STA 2210: Probability & Statistics (4cr)
*courses may be necessary based on initial math placement (see page 2)

☐ **MAT 5180/MAE 5100:** Geometry for Middle School Teachers (3cr)
☐ **MAE 5130:** Problem Solving for Middle School Teachers (3cr)
☐ **MAE 5140:** Proportional & Algebraic Reasoning (3cr)
☐ **MAT 5420:** Algebra I (4cr)

^MAT 1070, 1800 & 2010: Students are highly encouraged to take these courses as a part of the Rising and Emerging Scholars Program: emergingscholars@wayne.edu

^MAT 1070 (1075), 1800 (1990) & 2010 (2110): Students are encouraged to register for the corresponding two credit workshop (in parenthesis) to strengthen their learning through discovery.

EDUCATION COURSES (31 CREDITS)

FOUNDATIONAL (18 CREDITS)
☐ **TED 2200:** Foundations I: Foundations of Education and Urban Spaces (2cr)
☐ **TED 2205:** Foundations I Field Experience (1cr)
☐ **TED 2210:** Foundations II: Foundations of Culture Language, Identity & Schooling (2cr)
☐ **TED 2220:** Foundations III: Foundations of Inclusive Schooling (2cr)
☐ **TED 2020:** Education Technology (3cr)
☐ **TED 5100:** Professional Engagement, Advocacy & Instructional Planning (2cr)
☐ **EDP 5480:** Adolescent Psychology (3cr)
☐ **RLL 6121:** Teaching Reading in the Content Areas: Grades 6-12 (3cr)

METHODS (13 CREDITS)
☐ **MAE 5150:** Methods and Materials of Instruction: Secondary School Mathematics (3cr)
☐ **MAE 5155:** Secondary Mathematics Clinical (7-12) (2cr)
☐ **MAE 6050:** Teaching Mathematics Methods in the Middle Grades (3cr)
☐ **MAE 6055:** Teaching Mathematics in the Middle Grades Clinical (5-9) (2cr)
☐ **MAE 6075:** Historical and Social Contexts of Teaching Mathematics (5-12) (3cr)

STUDENT TEACHING (12 CREDITS)
☐ **TED 5780:** Student Teaching (12cr)

CLINICAL EXPERIENCES (600 HOURS)

FOUNDATIONS	METHODS	STUDENT TEACHING
☐ TED 2205- 40 Hours	☐ MAE 5155- 80 Hours ☐ MAE 6055-80 Hours	☐ TED 5780- 400 Hours

ADDING MATH 7-12 BAND (~116 TOTAL CREDITS)*
ADDITIONAL REQUIREMENTS

ADDITIONAL COURSES (14 CREDITS)
☐ **MAT 2020:** Calculus II (4cr)
☐ **MAT 2030:** Calculus III (4cr)
☐ **MAT 2250:** Linear Algebra (3cr)
☐ **MAT 6140:** Geometry (3cr)

ADDITIONAL CLINICAL HOURS
☐ Students may be required to complete an additional 50 hour clinical to add this band

*total credits dependent on math placement

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ADVISING GUIDE
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Mathematics: Grades 5-9

Sequencing of courses is a critical component to producing highly qualified and highly sought after educators. Placement into math and English at the university level will determine the beginning of these sequences.

TESTING & PLACEMENT
Math Placement Information
English Placement Information

IMPORTANT RESTRICTIONS & REQUIREMENTS
- Minimum total credits to degree, 120
- 2.5 Minimum GPA required
- Minimum grade of "C" in content, foundations, methods, (BC), (ICN) & (QE)

MICHIGAN TEST FOR TEACHER CERTIFICATION (MTTC)
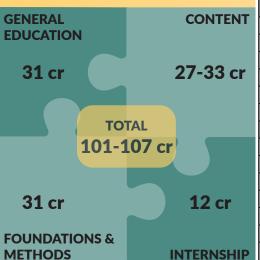◊ MTTC Informat on
   https://www.mttc.nesinc.com/
◊ MTTC Support
   https://education.wayne.edu/students/mttc
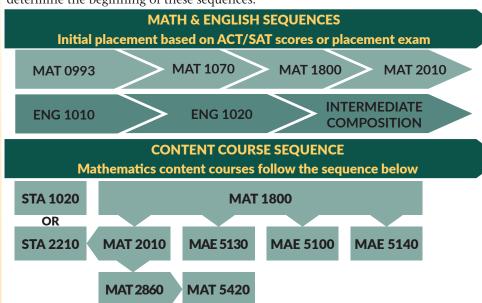
CERTIFICATION PLUS
The Mathematics 5-12 band was specifically designed to be less than the university required 120 credits. You are encouraged to add an additional endorsement area.

MATH & ENGLISH SEQUENCES
Initial placement based on ACT/SAT scores or placement exam

MAT 0993 → MAT 1070 → MAT 1800 → MAT 2010

ENG 1010 → ENG 1020 → INTERMEDIATE COMPOSITION

CONTENT COURSE SEQUENCE
Mathematics content courses follow the sequence below

STA 1020 OR STA 2210 → MAT 1800 → MAT 2010 → MAE 5130 → MAE 5100 → MAE 5140

MAT 2860 → MAT 5420

SEMESTER 1		SEMESTER 2	
Course	**Cr**	**Course**	**Cr**
TED 2200: Foundations I	2	TED 2210: Foundations II	2
TED 2205: Clinical Experience	1	MAT 1800: Elementary Funct	4
TED 2020: Educational Tech	3	Oral Communication (OC)	3
Basic Composition (BC)	3	Intermediate Composition (ICN)	3
MAT 1070: College Algebra (QE)	5	Social Inquiry (SI)	3
Total	**14**	**Total**	**15**
SEMESTER 3		**SEMESTER 4**	
TED 2220: Foundations III	2	EDP 5480: Adolescent Psy	3
TED 5100: Proof & Instruction	2	MAE 5100: Geometry for MS	3
MAT 2010: Calculus I	4	MAT 2860: Discrete Math	3
Civic Literacy (CIV)	3	STA 1020 or 2210: Statistics	3-4
Natural Science w/Lab (NSIL)	4	Cultural Inquiry (CI)	3
Total	**15**	**Total**	**16**
SEMESTER 5		**SEMESTER 6**	
MAE 6075: Hist & Social Context	3	MAE 6050: Tchg Middle Grades	3
MAE 5150: Secondary Methods	3	MAE 6055: Tchg Middle Clinical	2
MAE 5155: Secondary Clinical	2	MAT 5420: Algebra I	4
MAE 5130: Prob Solving for MS	3	Natural Scientific Inquiry (NSI)	3
Total	**11**	**Total**	**12**
SEMESTER 7		**SEMESTER 8**	
RLL 6121: Reading In Content	3	TED 5780: Student Teaching	12
MAE 5140: Prop & Algebra	3		
Diversity Equity & Inclusion (DEI)	3		
Global Learning Inquiry (GL)	3		
Total	**12**	**Total**	**12**
		PROGRAM TOTAL	**107**

SAMPLE FOUR YEAR PLAN

GENERAL EDUCATION	CONTENT
31 cr	27-33 cr

TOTAL
101-107 cr

31 cr	12 cr
FOUNDATIONS & METHODS	INTERNSHIP