



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 (in 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 7-12

Earning your bachelor's degree from the College of Education with a Mathematics emphasis in grades 7-12 will allow you teach in middle and high 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 (103-112 CREDITS)

CONTENT (29-38 CREDITS)

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| <ul style="list-style-type: none"> <input type="checkbox"/> MAT 1070: College Algebra (5cr)*^ <input type="checkbox"/> MAT 1800: Elementary Functions (4cr)*^ <input type="checkbox"/> MAT 2010: Calculus I (4cr)^ <input type="checkbox"/> MAT 2020: Calculus II (4cr) ^ <input type="checkbox"/> MAT 2030: Calculus III (4cr) <input type="checkbox"/> STA 2210: Statistics & Probability (4cr) | <ul style="list-style-type: none"> <input type="checkbox"/> MAT 2250: Elementary Linear Algebra (3cr) <input type="checkbox"/> MAT 2860: Discrete Mathematics (3cr) <input type="checkbox"/> MAT 5420: Algebra I (4cr) <input type="checkbox"/> MAT 6140: Geometry: An Axiomatic Approach (3cr) |
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*courses may be necessary based on initial math placement (see page 2)

^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) & 2020 (2120): 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 5-9 BAND (~116 TOTAL CREDITS)*

ADDITIONAL REQUIREMENTS

ADDITIONAL COURSES (9 CREDITS)

- ☐ **MAT 1800:** Elementary Functions (4cr)
- ☐ **MAE 5100:** Geometry (5-9) (3cr)
- ☐ **MAE 5130:** Problem Solving (5-9) (3cr)
- ☐ **MAE 5140:** Algebraic Reason (5-9) (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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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 Information

<https://www.mttc.nesinc.com/>

♦ MTTC Support

<https://education.wayne.edu/students/mttc>

CERTIFICATION PLUS*

The Mathematics 7-12 band was specifically designed to be less than the university required 120 credits. You are encouraged to add an additional endorsement area or pursue a concurrent Bachelor Degree in Mathematics through the College of Liberal Arts & Sciences

GENERAL EDUCATION

31 cr

CONTENT

29-38 cr

TOTAL
103-112 cr

31 cr

FOUNDATIONS & METHODS

INTERNSHIP

ADVISING GUIDE Secondary Education Mathematics: Grades 7-12

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.

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

MAT 1800

MAT 2010

MAT 2020

MAT 2030

STA 2210

MAT 2860

MAT 2250

MAT 5420

MAT 6140

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	5	Social Inquiry (SI)	3
Total	14	Total	15
SEMESTER 3		SEMESTER 4	
TED 5100: Prof & Instruction	2	MAT 2020: Calculus II	4
TED 2220: Foundations III	2	MAT 2860: Discrete Math	3
Civic Literacy (CIV)	3	Cultural Inquiry (CI)	3
MAT 2010: Calculus I	4	EDP 5480: Adolescent Psy	3
STA 2210: Probability & Stats	4	Natural Scientific Inquiry (NSI)	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
MAT 2030: Calculus III	4	Natural Science w/Lab (NSIL)	4
MAT 2250: Elem Linear Algebra	3		
Total	15	Total	13
SEMESTER 7		SEMESTER 8	
RLL 6121: Reading In Content	3	TED 5780: Student Teaching	12
MAT 6140: Geometry	3		
Global Learning Inquiry (GL)	3		
Diversity Equity & Inclusion (DEI)	3		
Total	12	Total	12
		PROGRAM TOTAL	112

SAMPLE FOUR YEAR PLAN