



ADVISING GUIDE

Secondary Education

Additional Endorsements for Grade Bands

ADVISING

Students are advised by their assigned major advisor while pursuing these additional endorsements.

- [Find my advisor](#)
- [Meet with my advisor](#)
- [Virtual Drop-Ins](#)

Tuesdays 9am to 4pm via Zoom

MICHIGAN TEST FOR TEACHER CERTIFICATION (MTTC)

♦ MTTC Information

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

♦ MTTC Support

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

CERTIFICATION AREAS

Grade Bands:

- Arabic (K-12)
- English Language Arts (7-12)
- French (K-12)
- Mathematics (5-9)
- Mathematics (7-12)
- Spanish (K-12)

ADDITIONAL CLINICAL EXPERIENCES

Students may be required to complete an additional clinical experience depending on which additional subjects/grade bands they add to their program. Please consult your advisor.

BILINGUAL-BICULTURAL EDUCATION (K-12)

REQUIREMENTS

- Must also be pursuing a certification in one of the grade bands (not a legacy major concentration)
- Score at least an Advanced Low level on the ACTFL Oral Proficiency Interview (OPI) in one of the following languages:
Arabic, French or Spanish
- This endorsement requires a supervised clinical experience.

COURSEWORK (24 CREDITS)

- | | |
|---|--|
| <input type="checkbox"/> BBE 5500: Introduction to Bilingual-Bicultural Education (3cr) | <input type="checkbox"/> BBE 6560: Teaching Methods in Bilingual/Bicultural Education (3cr) |
| <input type="checkbox"/> LED 6520: Teaching English as a Second Language/Foreign Language: Methods I (3cr) | <input type="checkbox"/> LED 6555: Integration of Language and Content in Language Teaching (3cr) |
| <input type="checkbox"/> LED 6580: Culture as the Basis for Language Teaching (3cr) | <input type="checkbox"/> RLL 6700: Second Language Literacy Development: K-12 (3cr) |
| <input type="checkbox"/> BBE 6850: Applied Linguistics: Issues in Bilingual Education (3cr) | <input type="checkbox"/> LED 6565: Assessment in Language Teaching (3cr) (optional for K-12) |

ENGLISH AS A SECOND LANGUAGE (K-12)

REQUIREMENTS

- Must also be pursuing a certification in one of the grade bands (not a legacy major concentration)
- This endorsement requires a supervised clinical experience.

COURSEWORK (24 CREDITS)

- | | |
|---|--|
| <input type="checkbox"/> LED 6510: Second Language Acquisition and the Teaching of Grammar (3cr) | <input type="checkbox"/> LED 6565: Assessment in Language Teaching (3cr) |
| <input type="checkbox"/> LED 6520: Teaching English as a Second Language/Foreign Language: Methods I (3cr) | <input type="checkbox"/> LED 6555: Integration of Language and Content in Language Teaching (3cr) |
| <input type="checkbox"/> LED 6580: Culture as the Basis for Language Teaching (3cr) | <input type="checkbox"/> RLL 6700: Second Language Literacy Development: K-12 (3cr) |
| <input type="checkbox"/> BBE 6850: Applied Linguistics: Issues in Bilingual Education (3cr) | <input type="checkbox"/> BBE 5500: Introduction to Bilingual-Bicultural Education (3cr) (optional for K-12) |

ADDITIONAL GRADE BANDS

REQUIREMENTS

- Student may choose to add an additional grade band in Arabic K-12, English Language Arts (7-12), French (K-12), Mathematics (5-9), Mathematics (7-12), or Spanish (K-12)
- May only be added if a grade band is selected as the primary option

COURSEWORK

- Please the appropriate grade band [Advising Guide](#) for courses

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



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♦ MTTC Support

Daniel Lewis

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

CERTIFICATION AREAS

Legacy Major Concentrations:

- Biology (6-12)
- Chemistry (6-12)
- Earth/Space Science (6-12)
- Economics (6-12)
- History (6-12)
- Integrated Science (6-12)
- Physics (6-12)
- Political Science (6-12)
- Social Studies Group (6-12)
- Social Studies Comprehensive (6-12)

ADDITIONAL CLINICAL EXPERIENCES

Students may be required to complete an additional clinical experience depending on which additional subjects/grade bands they add to their program. Please consult your advisor.

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

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Additional Endorsements for Legacy Major Concentrations

SINGLE SUBJECT SCIENCE

REQUIREMENTS

- Choose from: Biology, Chemistry, Earth/Space, or Physics
- May only be added to a legacy major concentration
- Students pursuing these minors must complete the following:
 1. Subject area Coursework (below)
 2. MAT 1800: Elementary Functions (4cr)
 3. SCE 6010: Safety in the Science Classroom
 4. SCE 5060: Methods & Materials: Secondary Science I (3cr)

BIOLOGY

- BIO 1500: Basic Life Diversity (3cr)
- BIO 1501: Lab (concurrent w/1500) (1cr)
- BIO 1510: Basic Life Mechanisms (3cr)
- BIO 1511: Lab (concurrent w/1501) (1cr)
- BIO 2270: Principles of Microbiology (3cr)
- BIO 2271: Lab (concurrent w/2271) (2cr)
- BIO 2870: Anatomy and Physiology (5cr)
- BIO 3070: Genetics (4cr)

EARTH/SPACE

- ESG 1010: Geology (3cr)
- ESG 1011: Lab (concurrent w/1010) (1cr)
- ESG 1020: Interpreting the Earth (4cr)
- ESG 1370: Meteorology (3cr)
- ESG 2130: Mineralogy (4cr)
- ESG 3160: Petrology (4cr)
- AST 2010: Descriptive Astronomy (4cr)
- AST 2011: Lab (concurrent w/2010) (1cr)

CHEMISTRY

- CHM 1100: General Chemistry I (4cr)
- CHM 1130: Lab (concurrent w/1100) (1cr)
- CHM 1140: General Chemistry II (4cr)
- CHM 1150: Lab (concurrent w/1150) (1cr)
- CHM 1240: Organic Chemistry I (4cr)
- CHM 1250: Lab (concurrent w/1240) (1cr)
- CHM 2220: Organic Chemistry II (4cr)
- CHM 2230: Lab (concurrent w/2220) (1cr)

PHYSICS

- PHY 2130: Physics for Life Science I (4cr)
- PHY 2131: Lab (concurrent w/2130) (1cr)
- PHY 2140: Physics for Life Science II (4cr)
- PHY 2141: Lab (concurrent w/2140) (1cr)
- PHY 5015: Physics for Educators (3cr)
- PHY 3310: Lab (concurrent w/5015) (2cr)
- PHY 5620: Elect & Electrical Measure (3cr)
- PHY elective (1XXX or higher) (3cr)

SINGLE SUBJECT SOCIAL STUDIES

REQUIREMENTS

- Choose from: Economics, History, or Political Science
- May only be added to a legacy major concentration
- Students pursuing these minors must complete the following:
 1. Subject area Coursework (below)
 2. SSE 6710: Methods and Materials of Instruction in Secondary Social Studies (3cr)

ECONOMICS

- ECO 2010: Microeconomics (4cr)
- ECO 2020: Macroeconomics (4cr)
- ECO 5300: International Trade (4cr) or ECO 5310: International Finance (4cr)
- ECO 5400: Labor Economics (4cr)
- ECO Electives (5XXX or higher) (4cr)

POLITICAL SCIENCE

- (30 credit minimum)
- PS 1010: American Government (4cr)
 - PS 2710: Intro to Comp Politics (4cr)
 - PS 2810: World Politics (4cr)
 - PS 3020: Political Parties & Elections (4cr)
 - PS 3070: Michigan Politics (4cr)

HISTORY

- (30 credit minimum)
- HIS 1000: World Civilization to 1500 (3cr)
 - HIS 1300: Eur & World: 1500-1945 (3cr)
 - HIS 1400: The World Since 1945 (4cr)
 - HIS 2040: US Foundations to 1877 (3cr)
 - HIS 2050: Modern US: Since 1877 (3cr)
 - HIS 2240: History of Michigan (3cr)
 - HIS 3140: Afr Am Hist I: 1400-1865 (3cr) or HIS 3150: Afr Am Hist II: 1865-1968 (3cr)