



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 (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.

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

ADVISING GUIDE

Secondary Education

Additional Endorsements for Grade Bands

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) in a language approved by the Michigan Department of Education (see advisor for more information)
- ☐ This endorsement requires a supervised clinical experience.

COURSEWORK (24 CREDITS)

- | | |
|--|---|
| <input type="checkbox"/> BBE 5500: Introduction to Bilingual-Bicultural Education (3cr) | <input type="checkbox"/> LED 6520: Teaching English as a Second Language/Foreign Language: Methods I (3cr) |
| <input type="checkbox"/> BBE 6560: Teaching Methods in Bilingual/Bicultural Education (3cr) | <input type="checkbox"/> LED 6555: Integration of Language and Content in Language Teaching (3cr) |
| <input type="checkbox"/> BBE 6850: Applied Linguistics: Issues in Bilingual Education (3cr) | <input type="checkbox"/> RLL 6700: Second Language Literacy Development: K-12 (3cr) |
| <input type="checkbox"/> BBE 6590: Culture and Language in Bilingual-Bicultural Education | <input type="checkbox"/> LED 6565: Assessment in Language Teaching (3cr) |

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

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

ADVISING GUIDE

Secondary Education

Additional Endorsements for Legacy Major Concentrations

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

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.

SINGLE SUBJECT SCIENCE

REQUIREMENTS

- ☐ Choose from: Biology, Chemistry, Earth/Space, or Physics
- ☐ May only be added to a legacy major concentration
- ☐ Students pursuing single subject sciences must complete the following:
 1. **Subject area Coursework (below)**
 2. **MAT 1800: Elementary Functions (4cr)**
 3. **SCE 6010: Safety in the Science Classroom (2cr)**
 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:** AfrAm Hist I: 1400-1865 (3cr) or **HIS 3150:** AfrAm Hist II: 1865-1968 (3cr)