

Secondary Education Curriculum Guide: Level 1 (Major Code: PSE)

Secondary Education

The Secondary Education program leads to a Michigan Secondary Provisional Teaching Certificate for teaching in grades 6-12. Some majors lead to K-12 certification and are attached to the Secondary Provisional Teaching Certificate. These majors include Dance Education, Physical Education (Kinesiology Pedagogy), Music Education and Visual Arts Education (see note at bottom*).

The program for Secondary Education consists of University General Education Requirements (Competency Requirements, and Group Requirements), College Requirements, a teaching major, a teaching minor, and a sequence of professional education courses including one semester of pre-student teaching and one semester of student teaching. The policy of the College of Education is to provide teaching experiences in both an urban and a suburban setting.

College of Education Level 1: Completing University & College Requirements

Admission to the College of Education is based on two levels. Students are directly admitted to the College of Education Level 1 from high school or another institution of higher learning by completing an admission application to the University, selection of a College of Education program on the admission application, and acceptance to Wayne State University. Students in Level 1 are working to fulfill the requirements found on pages 2 through 4 of this guide, which includes General Education Requirements, College Requirements, and requirements for admission to Level 2. Students in Level 1 also begin taking courses in their teaching major and minor (see pages 5-12).

College of Education Level 2: The Professional Education Sequence

Admission to the College of Education Level 2 program requires a separate College application, which is available in Room 489, College of Education or online at http://coe.wayne.edu/2011-2012/l2pbteacherapp_10.2014.pdf. Students complete the Level 2 application when all Level 2 admission requirements have been fulfilled (see page 4). Admission to Level 2 is not competitive. Students meeting all requirements will be admitted. Students in Level 2 have access to the Professional Education Sequence (see page 14). The Professional Education Sequence may be completed in two years and most students begin Level 2 during their junior year.

Important Restrictions

- **No grade below a "C" may be used to meet College Requirements or courses in the major, minor, and the Professional Education Sequence. Note: All students must receive a "C" or higher in Basic and Intermediate Composition if these requirements are completed or transferred in Fall 2008 or thereafter. A grade of "C-" is not acceptable.**
- **Not more than 64 semester hours from a two-year school or schools will apply toward graduation.**
- **This curriculum guide is subject to change based on WSU start date.**

*** Students majoring in Dance, Exercise Science (Kinesiology), Health, Music Education, Physical Education (Kinesiology Pedagogy), and Visual Arts Education are not to follow this guide. Please consult the appropriate curriculum guide for your major.**

University Competency Requirements

Written Communication: Three Requirements (BC, IC, & WI)	Course(s)	Completed By	Done
Basic Composition (BC) (Grade of "C" or higher if completed or transferred in Fall 2008 or thereafter)	Choose one: ENG 1020, or ENG 1050	30 hours	
Intermediate Composition (IC) (Grade of "C" or higher if completed or transferred in Fall 2008 or thereafter)	Choose one: AFS 2390, ENG 2100, ENG 2110, ENG 2120, ENG 2210, ENG 2310, ENG 2390, ENG 2420, ENG 2560, ENG 2570, ENG 3010, ENG 3020, or ENG 3050	60 hours	
Writing Intensive in Major (WI)	Completed in Level 2: The Professional Education Sequence (TED 5650)	Completed in Level 2	See page 14

Mathematics Competency (MC)	Options (Select One):	Completed By	Done
Advanced Placement (AP), College-Level Examination Program (CLEP), or American College Test (ACT)	See advisor for appropriate tests and required scores		
Transfer Course	Transfer credit for the equivalent of MAT 1000 or higher taken at an accredited college	30 hours	
Math Placement Exam*	Achieve a satisfactory score on the Math Placement Exam	30 hours	
WSU Math Course	Satisfactory completion of STA 1020, or any MAT course taken at WSU at the 1000-level or higher NOTE: Please see Majors/Minors for required courses.	30 hours	

Oral Communication (OC)	Options (Select One):	Completed By	Done
Oral Communication Competency Exam*	Passing score (no credit toward graduation)	30 hours	
Course	Choose one: COM 1010 or ENG 3060	30 hours	

Critical Thinking (CT)	Options (Select One):	Completed By	Done
Critical Thinking Competency Exam*	Passing score (no credit toward graduation)	60 hours	
Course	Choose one: BA 1010, COM 2110, or PHI 1050	60 hours	

*For more information about Qualifying, Placement, and Proficiency examinations, contact Testing & Evaluation and Research Services in the Student Center Building, Room 686, 313-577-3400, e-mail: testing@wayne.edu; website: <http://www.testing.wayne.edu>.

University Group Requirements

In meeting group requirements, please note that a given Subject Area Code (e.g. ANT, HIS, PS, etc.) may not be used more than twice, that a course must be at least three semester hours to meet the requirement, and that courses may not be taken on a Passed/Not Passed basis.

Where a choice among courses is possible to meet Competency Requirements, Group Requirements, and College Requirements, the College of Education recommends those courses that would also fulfill a requirement for a major or minor in that subject. Group requirements for Life Science and American Institutions are not found on this page and are fulfilled by College Requirements listed on page 4.

Group Requirement	Course(s)	Code	Done
Physical Science	Choose one: AST 2010, CHM 1000, CHM 1020, CHM 1220, CHM 1225, CHM 1410, GEL 1010, HON 4230, PHY 1020, PHY 1040, PHY 1070, PHY 2130, PHY 2170, PHY 2175, or PHY 3100	PS	
Life Science	Fulfilled by BIO 1030, BIO 1050, BIO 1510, PSY 1010, or PSY 1020	LS	See page 4
Laboratory	Fulfilled by a Life Science course if completed with the appropriate lab (including PSY 1010 if completed at WSU in or after Fall 1987) or a Physical Science course if completed with the appropriate lab.	LB	
Historical Studies	Choose one: ANT 3200, ASN 1710, CLA 3590, CLA 3720, CLA 5720, GKM 3590, GKM 3720, GKM 5720, GSW 2600, HIS 1000, HIS 1300, HIS 1400, HIS 1600, HIS 1610, HIS 1710, HIS 1800, HIS 1810, HIS 1900, HIS 1910, HIS 1995, HIS 2605, HON 4250, LAS 1900, LAS 1910, NE 2030, or NE 2040	HS	
Basic Social Science	Choose one: AFS 2210, ANT 2100, ECO 1000, ECO 2010, ECO 2020, GPH 1100, GPH 2000, GPH 3130, GPH 3200, GSW 2700, HIS 2000, HON 1000, LAS 3610, PS 1000, PS 2000, PS 2240, SOC 2000, SOC 2020, SOC 2500, SOC 3300, SOC 3510, SOC 4100, or US 2000	SS	
American Society & Institutions	Fulfilled by P S 1010 or P S 1030	AI	See page 4
Visual & Performing Arts	Choose one: AH 1110, AH 1120, AH 1130, AH 4240, AED 5050, COM 2010, COM 2020, DNC 2000, DNC 2310, ENG 2440, ENG 2450, HON 4240, MUH 1340, MUH 1345, MUH 1350, MUH 1351, MUH 1370, NE 2060, POL 3750, SLA 3710, THR 1010, THR 1030, or THR 1041	VP	
Philosophy & Letters	Choose one: CLA 1010, CLA 2200, CLA 2300, COM 2160, ENG 2200, ENG 2430, ENG 2500, ENG 2510, ENG 2720, ENG 3110, ENG 3120, ENG 3130, ENG 3140, ENG 3470, FRE 2700, FRE 2991, GER 2310, GER 2700, GER 2991, GSW 2500, HEB 3240, HON 2100, HON 4200, ITA 2700, LIN 2720, NE 3240, PHI 1010, PHI 1020, PHI 1030, PHI 1100, PHI 1110, PHI 1120, PHI 1130, PHI 1200, PHI 2100, PHI 2110, PHI 2320, PHI 2400, PHI 2550, PHI 3500, PHI 3550, PHI 3700, PS 3510, PS 3520, RUS 2700, RUS 3600, RUS 3650, SLA 2310, or SPA 2700	PL	
Foreign Culture: Your degree in the College of Education (BS or BA) is determined by how you fulfill the Foreign Culture Requirement: A BS in Education Degree requires completing a Foreign Culture course taught in English about another culture. A BA in Education Degree requires completing a Foreign Language to the Intermediate Level.	Approved Foreign Culture Courses for the BS Degree in Education: Choose one: AFS 3250, AFS 3610, ANT 3150, ANT 3520, ANT 3540, ANT 3550, ARM 3410, ASN 2150, DNC 2400, ENG 2670, ENG 2730, FRE 2710, FRE 2720, GER 2710, GER 2720, GER 3410, GKM 3710, GPH 2700, HIS 2440, HIS 2700, HON 4260, ITA 2710, ITA 2720, JPN 4550, JPN 4560, LAS 2410, LAS 2420, LIN 2730, NE 2000, NE 3225, NE 3550, NUR 4800, PHI 2150, POL 2710, POL 3410, PS 2700, RUS 2710, RUS 3410, SLA 3410, or UKR 3410 - or - Approved Foreign Language Sequence for the BA Degree in Education: Complete one foreign language sequence through the third semester (Intermediate Level: 2010 or 2110)	FC	

***See major or minor for coursework that meets Group Requirements.**

College Requirements for Secondary Education

Required Courses	Credit	Code	Done
Choose One: PSY 1010 Introductory Psychology (4 cr.) or PSY 1020 Elements of Psychology (3 cr.)	4 or 3	LS	
Choose One: PS 1010 American Government (4 cr.) or PS 1030 The American Governmental System (3 cr.)	4 or 3	AI	
Choose One: HE 2310 Dynamics of Personal Health HE 3300 Health of the School Child LFA 2330 First Aid and CPR	3	-----	
Choose One: BIO 1030 Biology Today (3-4 crs.) BIO 1050 An Introduction to Life (3-4 crs.) BIO 1500 Basic Life Diversity (4 cr.) BIO 1510 Basic Life Mechanisms (4 cr.)	3 or 4	-----	
TED 2250 Becoming an Urban Educator	3	-----	

	Requirements for Admission to College of Education Level 2	Done
1	Completion of at least 53 semester hours	
2	A minimum cumulative Grade Point Average of 2.50	
3	Completion of 12 credit hours in the major	
4	Completion of <input type="checkbox"/> TED 2250 and <input type="checkbox"/> 40 hours of group work with children	
5	Completion of Intermediate Composition	
6	Completion of Math Competency	
7	A passing score on each of the three sections of the MTTC Professional Readiness Exam (PRE) #96 (http://www.mttc.nesinc.com). A test score reported directly to Wayne State University is required. When registering for the PRE, please select Wayne State University (31) as a "College or University to Receive Scores". See advisor for accepting ACT and/or Michigan Merit Examination (MME) scores in lieu of the PRE.	
8	A copy of a negative Tuberculosis (TB) test (within the last 3 years)	
9	A current (within the last 6 months) statewide Criminal History Check (http://apps.michigan.gov/ICHAT/)	
10	Up-to-date transcripts from each undergraduate school attended or WSU Transfer Credit Evaluation.	
11	Advisor-signed curriculum guide	
12	A completed Level 2 Application (applications are available in Room 489, College of Education or online at http://coe.wayne.edu/2011-2012/l2pbteachercertapp_10.2014.pdf). Deadlines for Level 2 Admission are February 1, June 1 and October 1 for the subsequent semester. / Suggested deadline to submit Level 2 Application: _____	
13	Students with complete applications will be invited to attend a <u>mandatory</u> College of Education Orientation, which is the final requirement for admission to Level 2.	

Majors and Minors for Secondary Education

Undergraduate Curriculum Guide

MAJORS	PAGE
Arabic.....	8
Biology.....	6
Career & Technical Education*.....	9
Chemistry.....	6
Dance*.....	9
Earth/Space (Geology & Astronomy).....	6
Economics.....	9
English.....	7
French.....	8
Health*.....	9
History.....	9
Integrated Science.....	7
Kinesiology Pedagogy (Physical Education)*.....	9
Mathematics.....	7
Music: Instrumental and Vocal*.....	9
Physics.....	6
Political Science.....	9
Social Studies.....	9
Spanish.....	8
Speech.....	7
Visual Arts Education*.....	9

MINORS	PAGE
Arabic.....	11
Bilingual-Bicultural.....	11
Biology.....	10
Chemistry.....	10
Earth/Space (Geology & Astronomy).....	10
Economics.....	12
English as a Second Language (ESL).....	11
English.....	12
French.....	11
Health.....	12
History.....	12
Kinesiology Pedagogy (Physical Education).....	12
Mathematics.....	10
Physics.....	10
Political Science.....	12
Spanish.....	11
Speech.....	12

Important Public Acts for Education Students.....	13
---	----

* Contact Information only

Among courses enclosed by a border, choose one.

SCIENCE MAJORS: SINGLE-SUBJECT

- ▶ Some science courses may require advanced courses in mathematics or science. Placement testing may also be required for courses in mathematics and chemistry. Please consult the Bulletin for prerequisite requirements prior to registering for science and mathematics courses.
- ▶ Students are advised to begin fulfilling the requirement in mathematics as early as possible.

BIOLOGY MAJOR (Minimum 30cr + additional cr in Science/Math)

- BIO 1500 Basic Life Diversity..... 4
- BIO 1510 Basic Life Mechanisms (LS)..... 4
- BIO 2200 Introductory Microbiology (LS)..... 4
- BIO 2600 Introduction to Cell Biology..... 3
- BIO 2870 Anatomy and Physiology..... 5
- BIO 3070 Genetics..... 4
- BIO 3500 Ecology and the Environment..... 3
- BIO 4200 Evolution..... 3
- ▶ **Additional Science Requirements**
- CHM 1220 General Chemistry I (PS)..... 4
- CHM 1230 Lab (concurrently with 1220)..... 1
- GEL 1010 Geology: The Science of the Earth (PS)..... 4
- PHY 2130 General Physics I (PS)..... 3
- PHY 2131 Lab (concurrently with 2130)..... 1
- SCE 6010 Safety in the Science Classroom..... 2
- ▶ **Additional Mathematics Requirement**
- MAT 2010 Calculus I..... 4
- MAT 2210 Probability & Statistics for Teachers..... 4

CHEMISTRY MAJOR (Minimum 32cr +additional cr in Science/Math)

- CHM 1220 General Chemistry I (PS)..... 4
 - CHM 1230 Lab (concurrently with 1220)..... 1
 - CHM 1240 Organic Chemistry I..... 4
 - CHM 1250 Lab (concurrently with 1240)..... 1
 - CHM 2220 Organic Chemistry II..... 3
 - CHM 2230 Lab (concurrently with 2220)..... 2
 - CHM 2280 General Chemistry II: Analytical Chemistry..... 3
 - CHM 2290 Lab (concurrently with 2280)..... 2
 - CHM 3020 Intermediate Inorganic Chemistry I..... 3
 - CHM 5400 Biological Physical Chemistry[^]..... 4
 - CHM 5550 Lab (concurrently with 5400)..... 2
 - CHM 5600 Survey of Biochemistry..... 3
 - ▶ **Additional Science Requirements**
 - BIO 1050 An Introduction to Life* (LS)..... 4
 - GEL 1010 Geology: The Science of the Earth (PS)..... 4
 - PHY 2130 General Physics I (PS)..... 3
 - PHY 2131 Lab (concurrently with 2130)..... 1
 - SCE 6010 Safety in the Science Classroom..... 2
 - ▶ **Additional Mathematics Requirement**
 - MAT 2010 Calculus I..... 4
 - MAT 2210 Probability & Statistics for Teachers..... 4
- [^] Prerequisite or co-requisite: MAT 2030 Calculus III and PHY 2170 Gen Phys I

EARTH/SPACE MAJOR (Minimum 36cr + additional cr in Sci/Math)

- GEL 1010 Geology: The Science of the Earth (PS)..... 4
- GEL 1020 Interpreting the Earth 4
- GEL 1370 Meteorology: The Study of Weather 3
- GEL 2130 Mineralogy 4
- GEL 3160 Petrology 4
- GEL 3300 Structural Geology 4
- GEL 3400 Principles of Sedimentology & Stratigraphy 4
- GEL 5200 Oceanography for Educators..... 4
- AST 2010 Descriptive Astronomy (PS)..... 4
- AST 2011 Lab (concurrently with 2010)..... 1
- ▶ **Additional Science Requirements**
- BIO 1050 An Introduction to Life* (LS)..... 4
- CHM 1220 General Chemistry I (PS)..... 4
- CHM 1230 Lab (concurrently with 1220)..... 1
- PHY 2130 General Physics I (PS)..... 3
- PHY 2131 Lab (concurrently with 2130)..... 1
- SCE 6010 Safety in the Science Classroom..... 2
- ▶ **Additional Mathematics Requirement**
- MAT 2010 Calculus I..... 4
- MAT 2210 Probability & Statistics for Teachers..... 4

PHYSICS MAJOR (Minimum 31cr + additional cr in Science/Math)

- PHY 2170 General Physics I (PS)..... 3
- PHY 2171 Lab (concurrently with 2170)..... 1
- PHY 2180 General Physics II..... 3
- PHY 2181 Lab (concurrently with 2180)..... 1
- PHY 3300 Introductory Modern Physics..... 3
- PHY 3310 Lab (concurrently with 3300)..... 1
- PHY 5200 Classical Mechanics I[^]#..... 3
- PHY 5340 Optics[#]..... 3
- PHY 5341 Lab (concurrently with 5340)..... 2
- PHY 5620 Electronics and Electrical Measurements..... 5
- PHY 6600 Electromagnetic Fields I[~]..... 3
- PHY 1040 Einstein, Relativity and Quanta: A Concept Intro (3
- PHY 3100 The Sounds of Music (PS)..... 4
- ▶ **Additional Science Requirements**
- BIO 1050 An Introduction to Life* (LS)..... 4
- CHM 1220 General Chemistry I (PS)..... 4
- CHM 1230 Lab (concurrently with 1220)..... 1
- GEL 1010 Geology: The Science of the Earth (PS)..... 4
- SCE 6010 Safety in the Science Classroom..... 2
- ▶ **Additional Mathematics Requirement**
- MAT 2010 Calculus I..... 4
- MAT 2210 Probability & Statistics for Teachers..... 4

[^] Prerequisite: PHY 5100 Methods of Theoretical Phys I

[#] Prerequisite: MAT 2030 Calculus III

[~] Prerequisite: MAT 2150 Differential Equations

*** Some Science courses are offered for varying credits. Students are to complete the above Science courses for the specified amount of credit.**

Among courses enclosed by a border, choose one.

INTEGRATED SCIENCE COMPREHENSIVE MAJOR (Min. 61 cr)

- ▶ A minor is not required with the Integrated Science Comprehensive major.
- ▶ Some science courses may require advanced courses in mathematics or science. Placement testing may also be required for courses in mathematics and chemistry. Please consult the Bulletin for prerequisite requirements prior to registering for science and mathematics courses.
- ▶ Students are advised to begin fulfilling the requirement in mathematics as early as possible.

BIOLOGY (5 courses for 20 credit hours)

- BIO 1500 Basic Life Diversity..... 4
- BIO 1510 Basic Life Mechanisms (LS)..... 4
- BIO 2200 Introductory Microbiology (LS)..... 4
- BIO 3070 Genetics..... 4
- ▶ The only prerequisite to BIO 3070 for Secondary Education Students with an Integrated Science Major is BIO 2200 Introductory Microbiology.

- BIO 6210 Ecology and Evolution..... 4
- BIO 4120 Comparative Physiology..... 4

CHEMISTRY (3 courses, plus labs for 15 credit hours)

- CHM 1220 General Chemistry I (PS)..... 4
- CHM 1230 Lab (concurrently with 1220)..... 1
- CHM 1240 Organic Chemistry I..... 4
- CHM 1250 Lab (concurrently with 1240)..... 1
- CHM 2220 Organic Chemistry II..... 3
- CHM 2230 Lab (concurrently with 2220)..... 2

PHYSICS (3 courses, plus labs for 12 credit hours)

- PHY 2130 General Physics I (PS)..... 3
- PHY 2131 Lab (concurrently with 2130)..... 1
- PHY 2140 General Physics II..... 3
- PHY 2141 Lab (concurrently with 2140)..... 1
- PHY 5015 Non-Classical Physics for Educators..... 3
- PHY 3310 Lab (concurrently with 5015)..... 1

- ▶ When registering for PHY 3310, please contact Dawn Niedermiller, Dept. of Physics Academic Advisor, for an override by sending an email message to aa9216@wayne.edu or by calling (313) 577-0180. Include the term and CRN of the section you wish to add.

EARTH/SPACE SCIENCE (3 courses, plus lab for 12 credit hours)

- AST 2010 Descriptive Astronomy (PS)..... 4
- AST 2011 Lab (concurrently with 2010)..... 1
- GEL 1010 Geology: The Science of the Earth (PS)..... 4
- GEL 1370 Meteorology: The Study of Weather 3

ADDITIONAL REQUIREMENTS

- MAT 1800 Elementary Functions..... 4
- MAT ____ Elective in Mathematics..... 2
- CSC ____ Elective in Computer Science..... 2
- SCE 6010 Safety in the Science Classroom..... 2

* Some Science courses are offered for varying credits. Students are to complete the above Science courses for the specified amount of credit.

MATHEMATICS MAJOR (Minimum 41 credits)

- MAT 2010 Calculus I..... 4
- MAT 2020 Calculus II..... 4
- MAT 2030 Calculus III..... 4
- MAT 2210 Probability & Statistics for Teachers..... 4
- MAT 2250 Elementary Linear Algebra..... 3
- MAT 2860 Discrete Mathematics..... 3
- MAT 5000 Fundamental Concepts of Math & Proof Writing 3
- MAT 5070 Elementary Analysis..... 4
- MAT 5400 Elementary Theory of Numbers..... 3
- MAT 5520 Introduction to Topology..... 3
- MAT 6140 Geometry: An Axiomatic Approach..... 3
- MAT 5420 Algebra 1..... 4
- MAT 6170 Algebra: Ring Theory Thr. Explor, Conj, & Proof 4
- MAE 6200 Teaching Arithmetic, Algebra, & Functions..... 3
- MAE 6210 Teaching Geometry, Prob/Stats, & Discrete Mat 3

- ▶ All students who plan to take MAT 0995, 1000, 1050, 1110, 1120, 1500, 1800, or 2010 as their first mathematics course at WSU, must take the Mathematics Placement Exam. Please contact Testing, Evaluation, & Research Services at (313) 577-3400 or online at <http://www.testing.wayne.edu/> for test dates.

ENGLISH MAJOR (Minimum 30 credits)

- ▶ Basic Composition courses may not be counted.
- ENG 2200 Shakespeare (PL)..... 3
- ENG 2390 Intro African-American Literature & Writing (IC) 3
- ENG 3110 English Literature to 1700 (PL)..... 3
- ENG 3120 English Literature after 1700 (PL)..... 3
- ENG 3130 American Literature to 1865 (PL)..... 3
- ENG 3140 American Literature after 1865 (PL)..... 3
- ENG 5420 American Literature: 1865-1914..... 3
- ENG 5450 Modern American Literature..... 3
- ENG 5720 Linguistics & Education (LIN 5720)..... 3
- ▶ ENG 5720 is strongly recommended prior to ENG 5730
- ENG 5730 English Grammar (LIN 5730)..... 3
- ▶ ENG 2390 is strongly recommended prior to ENG 6010
- ENG 6010 Tutoring Practicum..... 3

SPEECH MAJOR (Minimum 33 credits beyond COM 1010)

- ▶ COM 1010 is a prerequisite for this major.
- COM 1500 Survey of Mass Communication..... 3
- COM 2000 Intro to Communication Studies..... 3
- COM 2110 Argumentation and Debate (CT)..... 3
- COM 2200 Interpersonal Communication..... 3
- COM 2500 Oral Interpretation of Literature..... 3
- COM 1600 Introduction to Audio-TV-Film Production..... 3
- COM 2280 Digital Photo Journalism..... 3
- COM 5300 Online Layout and Design..... 3
- COM 3270 Group Communication & Human Interaction..... 3
- COM 3400 Theories of Communication..... 3
- COM 4130 Communication Ethics 3
- COM 4300 Intercultural Communication..... 3
- COM 6070 Directing Forensics..... 3
- ▶ COM 6070 is only offered in fall semesters of even-numbered years.

Among courses enclosed by a border, choose one.

FOREIGN LANGUAGE

► Courses lower than 3000 will not be counted for a major in Foreign Language. Computation of the major includes only those courses taken in college beginning at the 3000 level. The courses must include grammar, literature, culture, and conversation. Students may be required to complete lower level courses as prerequisites to courses at the 3000 level or above.

► Students who major in a language are advised to minor in English or in a second foreign language.

► Students must score at the Advanced Low Level in French, or Spanish, or at the Intermediate High Level in Arabic as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages and pass the Michigan Test for Teacher Certification in the appropriate subject area. For more information about the OPI, please visit the following website:
<https://testing.wayne.edu/app/testinfo.cfm?eid=TEOPI>.

► K-12 certification is available for students majoring in Arabic, French, or Spanish. Students will complete the following methodology courses after admission to Level 2: LED 6500 (3cr), LED 6520 (3cr), LED 6530 (3cr), EDP 5450 (3cr) and RLL 6700 (3cr).

ARABIC MAJOR (Minimum 30 credits)

- ARB 3110 Advanced Arabic I..... 3
- ARB 3120 Advanced Arabic II..... 3
- ARB 3210 Spoken Arabic..... 3
- ARB 5230 Structure of Arabic (NE 5230)..... 3
- ARB 5140 Modern Arabic Literature in Arabic and Eng..... 3
- ARB 5010 Medieval Arabic Texts..... 3
- ARB 5020 Media Arabic..... 3
- ARB 5240 Quranic Arabic..... 3
- NE 3040 Twentieth Century Middle East (HIS 3320)..... 3
- NE 3550 Arab Society in Transition (ANT 3550)..... 3

FRENCH MAJOR (Minimum 30 credits)

- FRE 3200 Conversation & Composition..... 3
- FRE 3300 Readings in French & Francophone Lit & Cult.... 3
- FRE 4610 Introduction to Literary Textual Analysis..... 3
- FRE 4620 Topics in Sociocultural Analysis..... 3
- FRE 5100 Advanced Composition..... 3
- FRE 5200 French Phonetics & Pronunciation..... 3
- FRE 5305 Advanced Grammar & Stylistics..... 3
- FRE 6450 French Civilization..... 3
- FRE 6470 Contemporary French Society & Institutions..... 3

► Select two (2) of the following courses (three semester hours each) for a total of six (6) semester hours:

FRE 6510 French Sixteenth Cent Lit, FRE 6630 French Seventeenth Cent Lit, FRE 6650 French Eighteenth Cent Lit, FRE 6770 Studies in French Literature, FRE 6810 French Nineteenth Cent Lit, FRE 6840 French Twentieth Cent Lit, or FRE 6860 Francophone Literatures.

SPANISH MAJOR (Minimum 30 credits)

- SPA 3100 Grammar Review & Composition..... 3
- SPA 3200 Conversation..... 3
- SPA 3300 Readings in Hispanic Literature & Culture..... 3
- SPA 4610 Survey of Spanish Literature I..... 3
- SPA 4620 Survey of Spanish Literature II..... 3
- SPA 4630 Survey of Spanish American Literature I..... 3
- SPA 4640 Survey of Spanish American Literature II..... 3
- SPA 5100 Advanced Composition..... 3
- SPA 5200 Spanish Phonetics..... 3
- SPA 5550 Spanish Culture and Its Tradition..... 3
- SPA 5560 Spanish American Cultures and their Trad..... 3
- SPA 5570 Topics in Hispanic Culture or Language..... 3
- SPA 6400 Introduction to Hispanic Linguistics..... 3
- SPA 6560 Cervantes..... 3
- SPA 6620 The Spanish American Novel II..... 3

Among courses enclosed by a border, choose one.

SOCIAL STUDIES GROUP MAJOR (Minimum 36 credits)

- PS 1010 American Government (A)..... 4
- PS 3070 Michigan Politics..... 4
- GPH 1100 World Regional Patterns (SS)..... 4
- GPH 2200 Geography of Michigan..... 3
- HIS 1000 World Civilization to 1500 (HS)..... 3-4
- HIS 1300 Europe and the World: 1500-1945 (HS)..... 3-4
- HIS 2040 United States to 1877..... 3-4
- HIS 2050 United States Since 1877..... 3-4
- HIS 2240 History of Michigan..... 3-4
- ECO 2010 Principles of Microeconomics (SS)..... 3-4
- ECO 2020 Principles of Macroeconomics (SS)..... 3-4

* Some courses in Social Studies are offered for 3 or 4 credits. Please verify that your total credits meet the required minimum credit hours for the Social Studies group major. All courses listed above are required.

SOCIAL STUDIES COMPREHENSIVE MAJOR (Minimum 54 credits)

► A minor is not required with the Social Studies Comprehensive major.

- PS 1010 American Government (A)..... 4
- PS 2420 Ethics and Politics of Public Policy..... 4
- PS 2820 Intro to Peace and Conflict Studies..... 3
- PS 3070 Michigan Politics..... 4
- GPH 1100 World Regional Patterns (SS)..... 4
- GPH 2000 Intro to Urban Studies (SS)..... 4
- GPH 2200 Geography of Michigan..... 3
- HIS 1000 World Civilization to 1500 (HS)..... 3-4
- HIS 1300 Europe and the World: 1500-1945 (HS)..... 3-4
- HIS 1400 The World Since 1945..... 3-4
- HIS 2040 United States to 1877..... 3-4
- HIS 2050 United States Since 1877..... 3-4
- HIS 2240 History of Michigan..... 3-4
- ECO 2010 Principles of Microeconomics (SS)..... 3-4
- ECO 2020 Principles of Macroeconomics (SS)..... 3-4
- ECO 5410 Economics of Race and Gender..... 4

ECONOMICS MAJOR (Minimum 30 credits)

- ECO 2010 Principles of Microeconomics (SS)..... 3-4
- ECO 2020 Principles of Macroeconomics (SS)..... 3-4
- ECO 5100 Introductory Statistics & Econometrics..... 4
- ECO 5300 International Trade..... 4
- ECO 5310 International Finance..... 4
- ECO 5400 Labor Economics..... 4
- ECO 5410 Economics of Race & Gender..... 4
- ECO ____ Elective at or above the 5000 level..... 4
- ECO ____ Elective at or above the 5000 level..... 4

HISTORY MAJOR (Minimum 30 credits)

- HIS 1000 World Civilization to 1500 (HS)..... 3-4
- HIS 1300 Europe and the World: 1500-1945 (HS)..... 3-4
- HIS 1400 The World Since 1945..... 3-4
- HIS 2040 United States to 1877..... 3-4
- HIS 2050 United States Since 1877..... 3-4
- HIS 2240 History of Michigan..... 3-4
- HIS 3140 The Black Experience in America I: 1619-1865... 3-4
- HIS 3150 The Black Experience in America II: 1865-Preser 3-4
- HIS ____ Elective at or above the 3000 level..... 3
- HIS ____ Elective at or above the 3000 level..... 3

POLITICAL SCIENCE MAJOR (Minimum 30 credits)

- PS 1010 American Government (A)..... 4
- PS 2710 Intro to Comparative Politics..... 4
- PS 2810 World Politics..... 4
- PS 3020 Political Parties & Elections..... 4
- PS 3070 Michigan Politics..... 4
- PS 5120 Constitutional Rights & Liberties..... 4
- PS ____ Elective at or above the 3000 level..... 3
- PS ____ Elective at or above the 3000 level..... 3

OTHER MAJORS FOR SECONDARY EDUCATION

Career & Technical Education

- Business, Management, Marketing, & Technology (BMMT)
 - BMMT as a Group major (minor required).
 - BMMT as a Comprehensive Major (no minor required).
- Marketing Education (minor required)
- Health Occupations (**Second Academic Major required**)
- Trade & Industry (**Second Academic Major required**)

CTE Majors: Two years (4000 hours) of recent and relevant work experience (within the past five (5) years) in an occupation related to the major is required. The past five (5) years is calculated from the time when the certification application is submitted, which is near the completion of the certification coursework.

For more information, contact Dr. Gerylne Stephens at (313) 577-0946 or through e-mail at ad9472@wayne.edu.

Note: Courses in Career & Technical specializations, which are offered as majors in community colleges, must be completed prior to admission to Level 2.

Dance Education

Contact Ms. Eva Powers at (313) 577-6155 or through e-mail at ad2016@wayne.edu for advising.

Health Education

Contact Dr. Mariane Fahlman at (313) 577-5066 or through e-mail at aa1673@wayne.edu for advising.

Kinesiology Pedagogy (Physical Education)

Contact Ms. Carol Salisbury, Academic Secretary, at (313) 577-4249 to schedule an appointment with a KHS Advisor.

Music Education: Instrumental

Contact Dr. Wendy K. Matthews at (313) 577-2674 or through e-mail at ag7658@wayne.edu for advising.

Music Education: Vocal

Contact Dr. Abigail Butler (313) 577-2673 or through e-mail at ag7752@wayne.edu for advising.

Visual Arts Education

Contact Academic Services in Room 489, College of Education for a current curriculum guide (313) 577-1601.

Among courses enclosed by a border, choose one.

SCIENCE MINORS: SINGLE-SUBJECT

- ▶ Some science courses may require advanced courses in mathematics or science. Placement testing may also be required for courses in mathematics and chemistry. **Please consult the Bulletin for prerequisite requirements prior to registering for science and mathematics courses.**
- ▶ Students are advised to begin fulfilling the requirement in mathematics as early as possible.
- ▶ The minimum credit hour requirement for Single-Subject Science Minors does not include the additional requirements in lab safety (except in the Chemistry minor) or mathematics.

BIOLOGY MINOR (Minimum 21 credits)

- BIO 1500 Basic Life Diversity..... 4
- BIO 1510 Basic Life Mechanisms (LS)..... 4
- BIO 2200 Introductory Microbiology (LS)..... 4
- BIO 2870 Anatomy and Physiology..... 5
- BIO 3070 Genetics*..... 4

ADDITIONAL REQUIREMENTS

- MAT 1800 Elementary Functions..... 4
- SCE 6010 Safety in the Science Classroom..... 2

CHEMISTRY MINOR (Minimum 20 credits)

- CHM 1220 General Chemistry I (PS)..... 4
CHM 1230 Lab (concurrently with 1220)..... 1
- CHM 1240 Organic Chemistry I..... 4
CHM 1250 Lab (concurrently with 1240)..... 1
- CHM 2220 Organic Chemistry II..... 3
CHM 2230 Lab (concurrently with 2220)..... 2
- CHM 2280 General Chemistry II: Analytical Chemistry..... 3
CHM 2290 Lab (concurrently with 2280)..... 2

ADDITIONAL REQUIREMENTS

- MAT 1800 Elementary Functions..... 4
- SCE 6010 Safety in the Science Classroom..... 2

EARTH/SPACE MINOR (Minimum 24 credits)

- GEL 1010 Geology: The Science of the Earth (PS)..... 4
- GEL 1020 Interpreting the Earth 4
- GEL 1370 Meteorology: The Study of Weather 3
- GEL 2130 Mineralogy 4
- GEL 3160 Petrology 4
- GEL 3400 Principles of Sedimentology & Stratigraphy 4
- AST 2010 Descriptive Astronomy (PS)..... 4
- AST 2011 Lab (concurrently with 2010)..... 1

ADDITIONAL REQUIREMENTS

- MAT 1800 Elementary Functions..... 4
- SCE 6010 Safety in the Science Classroom..... 2

* Some Science courses are offered for varying credits. Students are to complete the above Science courses for the specified amount of credit.

PHYSICS MINOR (Minimum 22 credits)

- PHY 2130 General Physics I (PS)..... 3
PHY 2131 Lab (concurrently with 2130)..... 1
- PHY 2140 General Physics II..... 3
PHY 2141 Lab (concurrently with 2140)..... 1
- PHY 5015 Non-Classical Physics for Educators..... 3
PHY 3310 Lab (concurrently with 5015)..... 1

▶ When registering for PHY 3310, please contact Dawn Niedermiller, Dept of Physics Academic Advisor, for an override by sending an email message to aa9216@wayne.edu or by calling (313) 577-0180. Include the term and CRN of the section you wish to add.

- PHY 5620 Electronics and Electrical Measurements..... 4
- PHY 1040 Einstein, Relativity and Quanta: A Concept Intro 3
- PHY 3100 The Sounds of Music (PS)..... 4
- PHY ____ Elective at or above the 1000 level..... 3

ADDITIONAL REQUIREMENTS

- MAT 1800 Elementary Functions..... 4
- SCE 6010 Safety in the Science Classroom..... 2

MATHEMATICS MINOR (Minimum 31 credits)

- MAT 2010 Calculus I..... 4
- MAT 2020 Calculus II..... 4
- MAT 2210 Probability & Statistics for Teachers..... 4
- MAT 2250 Elementary Linear Algebra..... 3
- MAT 2860 Discrete Mathematics..... 3
- MAT 5000 Fundamental Concepts of Math & Proof Writing 3
- MAT 5420 Algebra 1..... 4
- MAT 6170 Algebra: Ring Theory Thr. Explor, Conj, & Proof 4
- MAE 6200 Teaching Arithmetic, Algebra and Functions.... 3
- MAE 6210 Teaching Geometry, Prob/Stats, & Discrete Mat 3

▶ All students who plan to take MAT 0995, 1000, 1050, 1110, 1120, 1500, 1800, or 2010 as their first mathematics course at WSU, must take the Mathematics Placement Exam. Please contact Testing, Evaluation, & Research Services at (313) 577-3400 or online at <http://www.testing.wayne.edu/> for test dates.

Among courses enclosed by a border, choose one.

FOREIGN LANGUAGE MINOR

► Courses lower than 3000 will not be counted for a minor in Foreign Language. Computation of the minor includes only those courses taken in college beginning at the 3000 level. The courses must include grammar, literature, culture, and conversation. Students may be required to complete lower level courses as prerequisites to courses at the 3000 level or above.

► Students must score at the Advanced Low Level in French, or Spanish, or at the Intermediate High Level in Arabic as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL) and pass the Michigan Test for Teacher Certification in the appropriate subject area. For more information about the OPI, please visit the following website: <https://testing.wayne.edu/app/testinfo.cfm?eid=TEOPI>.

ARABIC MINOR (Minimum 21 credits)

- ARB 3110 Advanced Arabic I..... 3
- ARB 3120 Advanced Arabic II..... 3
- ARB 3210 Spoken Arabic..... 3
- ARB 5230 Structure of Arabic (NE 5230)..... 3
- ARB 5140 Modern Arabic Literature in Arabic and Eng..... 3
- NE 3040 Twentieth Century Middle East (HIS 3320)..... 3
- NE 3550 Arab Society in Transition (ANT 3550)..... 3

FRENCH MINOR (Minimum 21 credits)

- FRE 3200 Conversation & Composition..... 3
- FRE 3300 Readings in French & Francophone Lit & Cult... 3
- FRE 4610 Introduction to Literary Textual Analysis..... 3
- FRE 4620 Topics in Sociocultural Analysis..... 3
- FRE 5100 Advanced Composition..... 3
- FRE 5200 French Phonetics & Pronunciation..... 3
- FRE 5305 Advanced Grammar & Stylistics..... 3

SPANISH MINOR (Minimum 21 credits)

- SPA 3100 Grammar Review & Composition..... 3
- SPA 3200 Conversation..... 3
- SPA 3300 Readings in Hispanic Literature & Culture..... 3
- SPA 4610 Survey of Spanish Literature I..... 3
- SPA 4620 Survey of Spanish Literature II..... 3
- SPA 4630 Survey of Spanish American Literature I..... 3
- SPA 4640 Survey of Spanish American Literature II..... 3
- SPA 5100 Advanced Composition..... 3
- SPA 5200 Spanish Phonetics..... 3

BILINGUAL-BICULTURAL MINOR (Minimum 21 credits)

► Students must demonstrate superior proficiency (speaking, reading, and writing) in a non-English language as measured by the Oral Proficiency Interview (OPI) and the Writing Proficiency Test (WPT) from the ACTFL. For more information about the OPI and WPT, please visit the following website: <https://testing.wayne.edu/>

► The minor is completed after admission to Level 2.
 ► Students should complete their pre and/or student teaching in a bilingual classroom setting.

- BBE 5500 Introduction to Bilingual/Bicultural Education..... 3
- BBE 6560 Teaching Methods in Bilingual/Bicultural Ed..... 3
- LED 6520 Teaching English as a Second Lang: Methods I. 3
- BBE 6850 Applied Linguistics: Issues in Bilingual Ed..... 3
- BBE 6590 Culture & Language in Bilingual/Bicultural Ed..... 3
- RLL 6700 Second Language Literacy Development K-12.. 3
- LED 6555 Integration of Language & Content in Teaching.. 3

ENGLISH AS A SECOND LANGUAGE MINOR (Minimum 21 credits)

► A major or minor in English is strongly recommended with an ESL Minor.

► The minor is completed after admission to Level 2.

- LED 6520 Teaching English as a Second Lang: Methods I. 3
- LED 6510 Second Lang Acquisition & Teaching Grammar. 3
- LED 6565 Assessment in Language Teaching..... 3
- BBE 6850 Applied Linguistics: Issues in Bilingual Ed..... 3
- LED 6580 Culture as the Basis for Language Teaching.... 3
- RLL 6700 Second Language Literacy Development K-12.. 3
- LED 6555 Integration of Language & Content in Teaching.. 3

Among courses enclosed by a border, choose one.

ENGLISH MINOR (Minimum 24 credits)

- ▶ **Basic Composition courses may not be counted.**
- ENG 2200 Shakespeare (PL)..... 3
- ENG 2390 Intro African-American Literature & Writing (IC) 3
- ENG 3110 English Literature to 1700 (PL)..... 3
- ENG 3120 English Literature after 1700 (PL)..... 3
- ENG 3130 American Literature to 1865 (PL)..... 3
- ENG 3140 American Literature after 1865 (PL)..... 3
- ENG 5420 American Literature: 1865-1914..... 3
- ENG 5450 Modern American Literature..... 3
- ENG 5720 Linguistics & Education (LIN 5720)..... 3
- ▶ **ENG 5720 is strongly recommended prior to ENG 5730**
- ENG 5730 English Grammar (LIN 5730)..... 3
- ▶ **ENG 2390 is strongly recommended prior to ENG 6010**
- ENG 6010 Tutoring Practicum..... 3

SPEECH MINOR (Minimum 21 credits beyond COM 1010)

- ▶ **COM 1010** is a prerequisite for this minor.
- COM 1500 Survey of Mass Communication..... 3
- COM 2000 Intro to Communication Studies..... 3
- COM 2110 Argumentation and Debate (CT)..... 3
- COM 2200 Interpersonal Communication..... 3
- COM 2500 Oral Interpretation of Literature..... 3
- COM 4130 Communication Ethics 3
- COM 6070 Directing Forensics..... 3

ECONOMICS MINOR (Minimum 21 credits)

- ECO 2010 Principles of Microeconomics (SS)..... 3-4
- ECO 2020 Principles of Macroeconomics (SS)..... 3-4
- ECO 5300 International Trade..... 4
- ECO 5310 International Finance..... 4
- ECO 5400 Labor Economics..... 4
- ECO 5410 Economics of Race & Gender..... 4
- ECO ____ Elective at or above the 5000 level..... 3

HISTORY MINOR (Minimum 21 credits)

- HIS 1000 World Civilization to 1500 (HS)..... 3-4
- HIS 1300 Europe and the World: 1500-1945 (HS)..... 3-4
- HIS 1400 The World Since 1945 (HS)..... 3-4
- HIS 2040 United States to 1877..... 3-4
- HIS 2050 United States Since 1877..... 3-4
- HIS 2240 History of Michigan..... 3-4
- HIS 3140 The Black Experience in America I: 1619-1865... 3-4
- HIS 3150 The Black Experience in America II: 1865-Preser 3-4

POLITICAL SCIENCE MINOR (Minimum 20 credits)

- PS 1010 American Government (AI)..... 4
- PS 2710 Intro to Comparative Politics..... 4
- PS 2810 World Politics..... 4
- PS 3020 Political Parties & Elections..... 4
- PS 3070 Michigan Politics..... 4

HEALTH EDUCATION MINOR (Minimum 21 credits)

- HE 3300 Health of the School Child..... 3
- HE 3440 Nutrition & Health Education..... 3
- KHS 6540 Workshop in Nutrition..... 3
- HE 4340 Family & Reproductive Health..... 3
- HE 5440 Mental Health & Substance Abuse..... 3
- ▶ **HE 5620 requires completion of 15 semester hours in Health and admission to Level 2 (prerequisite).**
- HE 5620 Performance Based Assessment in Health Ed.... 3
- ▶ **HE 3330 or HE 6500 requires completion of 18 semester hours in Health and admission to Level 2 (prerequisite).**
- HE 3330 Methods in Teaching Health..... 3
- HE 6500 Comprehensive School Health Education..... 3
- ▶ **HE 6430 requires completion of HE 3330 or HE 6500 and admission to Level 2 (prerequisite).**
- HE 6430 School Health Curriculum..... 3
- ▶ **Students who minor in Health Education are advised by Dr. Mariane Fahlman. Contact Dr. Fahlman at (313) 577-5066.**

PHYSICAL EDUCATION MINOR (Minimum 27 credits)

- KIN 5100 Anatomical and Physiological Bases of Phy Act. 3
- KIN 5110 Motor Learning and Development..... 3
- KIN 5200 Effective Teaching and Instructional Practices... 3
- KIN 5220 Sports I..... 3
- KIN 5240 Fitness Instruction..... 3
- KIN 5400 Adapted Physical Activity..... 3
- KIN 5600 Socio-cultural Issues in Physical Activity..... 3
- ▶ **Select two (2) of the following courses:**
- KIN 5230 Sports II..... 3
- KIN 5250 Adventure and Outdoor Pursuits..... 3
- KIN 5260 Aquatic Leadership..... 3
- ▶ **Students who minor in Physical Education are advised by KHS Advisors. Please call Carol Salisbury, Academic Secretary, at (313) 577-4249 to schedule an appointment.**

Important Information for Education Students

Please Read

► Undergraduate Advising

To determine your progress in meeting all program requirements, please meet with your assigned College of Education Advisor in Academic Services.

The Division of Academic Services in Room 489, College of Education has open advising each Tuesday from 9:00 am to 4:00 pm. If you arrive by 4:00 pm, you are guaranteed to see an advisor.

To schedule an advising appointment for another day, please do so online at: <https://wams.wayne.edu/>.

► **Honors Program:** Students may pursue Departmental Honors in Secondary Education. A minimum 3.30 cumulative GPA and additional coursework is required. For more information, please discuss with your academic advisor.

► **PUBLIC ACT 96 of 1995:** It is a criminal offense to use, or attempt to use, a college or university transcript that is fraudulently obtained, or forged, or to use other fraudulent credentials to obtain a teacher, school administrator, or school psychologist certificate or to obtain State Board approval.

► **PUBLIC ACT 335 of 1993 Sec. 1531b.** Effective July 1, 1995: Applicants to the teacher certification program must demonstrate successful group work with children. Documentation of this group work is required to enter the Teacher Certification Program. A total of 40 hours of successful group work with children is required. The State defines a group as three (3) or more children (not your own) between the ages of 3 and 18. Students are reminded to find a group work experience that is compatible to the age group they plan to teach. The group work experience needs to be recent (within the last 5 years) at the time of admission to the teacher certification program.

Some examples of group work include: Camp counselor, group tutor, playground director, religious teacher, scout leader, substitute teacher, teacher assistant, team coach or youth leader.

► **PUBLIC ACT 68 of 1993 Sec. 1230:** This act requires public and non public schools to conduct a criminal history check of new teachers, school administrators, school psychologists and other personnel required to hold State Board of Education approvals. Students interested in becoming certified teachers must supply a statewide criminal history check prior to admission to the College of Education and again prior to applying for certification.

If you have criminal background issues, please provide a narrative describing the incident(s) from your perspective for review by a committee in the College of Education. If you do not provide this information at the time of application, your admission/certification will be delayed.

- Have you ever accepted responsibility in a civil infraction (excluding speeding tickets) or been convicted of (pled no contest to) a misdemeanor or felony?
- Have you had a teaching, school counselor, school psychologist, or school administrator certificate suspended or revoked?
- Is there currently action pending against your teaching, school counselor, school psychologist, or school administrator certificate?
- Have you ever surrendered or nullified a teaching, school counselor, school psychologist, or school administrator certificate?

A criminal history check, by name, without fingerprints may be accessed for a fee at <https://apps.michigan.gov/ichat/home.aspx>

Any person seeking admission to a teacher certification program who has been convicted of any offense must provide certified copies of all documents relative to his/her conviction, including a "Judgment of Sentence" or "Register of Actions". This document may be obtained from the court where the matter was adjudicated. After review by the College of Education Committee, the applicant will be notified in writing of the Committee's decision.

Note: The State Board of Education may refuse to grant a teaching certificate to an applicant convicted, as an adult, of an act of immoral conduct contributing to the delinquency of a child, or a felony conviction.

► **PUBLIC ACT 18 of 2003 Sec. 1531d.:** This act states that "beginning July 1, 2004, the superintendent of public instruction shall not issue an initial teaching certificate to a person unless the person presents evidence satisfactory to the superintendent of public instruction that the person meets the following: Has successfully completed a course approved by the department in first aid and cardiopulmonary resuscitation... and holds valid certification in these topics issued by one of the following organizations approved by the department [Michigan Department of Education]:"

*American Heart Association • American Red Cross • American Safety and Health Institute • Emergency Care & Safety Institute
Lansing Area Safety Council • Medic First Aid • Safety Council of Southeast Michigan*

Students must submit the following documentation to the College of Education when applying for teacher certification (all of the following must be current):

Certification in Adult CPR • Certification in Child CPR • Certification in First Aid

Certification in automated external defibrillation (AED) is recommended, but not required.

► **It is the student's responsibility to become familiar with and to complete all requirements for the program.**

Professional Education Sequence

Among courses enclosed by a border, choose one.

The following courses must be taken in Level 1:

- TED 2250 Becoming an Urban Educator (see page 4)

The following courses may be taken in Level 1 or 2:

- BBE 5000 Multicultural Education in Urban America..... 2
- SED 5010 Inclusive Teaching 2
- TED 6020 Computer Applications in Teaching I..... 3

COURSES RESTRICTED TO LEVEL 2

The following course must be taken prior to

TED 5650 Pre-Student Teaching:

- Methods I: Teaching Methods in the Major (see advisor)... 3

Pre-Student Teaching:

- ▶ **Students must have completed at least one teaching methods course to take TED 5650.**
- TED 5650 Pre-Student Teaching for Secondary (WI)..... 5

The following courses must be taken prior to

TED 5780 Directed Teaching:

- EDP 5480 Adolescent Psychology..... 2
- EHP 3600 Introduction to the Philosophy of Education..... 3
- RLL 4431 Reading: Middle & Secondary Subject Areas.... 3
- Methods II: Teaching Methods in the Major..... 3
- Methods III: Teaching Methods in the Minor..... 3

Student Teaching

▶ **Students must pass the Michigan Test for Teacher Certification in both the Major and Minor subject areas prior to student teaching.**

▶ **Requirements for the major and minor must be completed prior to student teaching.**

▶ **Students must apply one (1) year in advance for student teaching: The application deadline for Fall Student Teaching is December 1 prior to student teaching and the application deadline for Winter Student Teaching is April 1 prior to student teaching.**

▶ **Student teaching is a variable credit course. When registering, students must input the correct number of credits as specified on your Plan of Work.**

- TED 5780 Directed Teaching & Conference..... 10

Total Credits..... 39

Subject Area Methodology Courses

▶ **Select two method courses in the major subject area and one method course in the minor subject area (the first course listed). Students seeking K-12 certification with a major in a world language must take three method courses for the major.**

Career and Technical Education (CTE)

- CTE 5410 Teaching Methods for the CTE Classroom I..... 3
- CTE 6993 Teaching Methods for the CTE Classroom II..... 3

English Education

- EED 5200 Methods of Teaching English: Grades 6-12..... 3
- EED 6120 English Composition in Secondary Schools..... 3
- EED 6330 Teaching Literature in Secondary Schools..... 3

Foreign Language Education (6-12)

- LED 6520 Teaching ESL/Foreign Language Methods I..... 3
- LED 6530 Teaching ESL/Foreign Language Methods II..... 3

Foreign Language Education: (K-12)

▶ Available only to Foreign Language majors. All three methods courses are required in addition to other courses (see page 8).

- LED 6500 Teaching World Lang in Elem & Middle Sch 3
- LED 6520 Teaching ESL/Foreign Language Methods I..... 3
- LED 6530 Teaching ESL/Foreign Language Methods II..... 3

Mathematics Education

- MAE 5150 Methods and Materials: Secondary Mathematics... 3
- MAE 6050 Teaching Mathematics in the Middle Grades..... 3

Science Education: Integrated Science

- SCE 5060 Methods & Materials: Secondary Science I..... 3
- SCE 6030 Adv Studies in Teaching Science (Middle School). 3

Science Education: Single-Subject

- SCE 5060 Methods & Materials: Secondary Science I..... 3
- SCE 5070 Methods & Materials: Secondary Science II..... 3

Social Studies Education

- SSE 6710 Methods & Materials: Secondary Social Studies ... 3
- SSE 6730 New Perspectives in Social Studies Education..... 3

Speech Education

- COM 6060 Teaching Communication at the Secondary Level 3
- EED 6210 Language, Literacy, & Learning 3