

# ELEMENTARY EDUCATION (B.A.)

## Education (Elementary) Leading to K-8 Certification (Bachelor's Degree Programs)

The elementary certificate qualifies the holder to teach all subjects in kindergarten through grade five and all K-8 subjects in a self-contained classroom. Additionally, the major and minor subjects may be taught if the teacher has passed the MTTC subject test.

### Admission: Level 1

#### Entry to the College of Education

All students intending to pursue a teaching curriculum who enter the University directly from high school, or transfer from other colleges are directly admitted by the University Admissions Office (<http://bulletins.wayne.edu/undergraduate/general-information/admission/>) into the College of Education in Level 1 status.

### Admission: Level 2

#### Entry to Professional Education Sequence

The standards listed below apply to those students entering the College of Education at Level 2: those working for a secondary or elementary school teaching certificate; those in a combined degree program; and those previously admitted at the freshman or sophomore level to the College of Education.

Eligibility for admission is based on the following criteria:

1. Satisfactory completion of fifty-three semester or eighty quarter credits of course work with an overall grade point average of 2.5 or above. In addition, the grade point average for any courses taken at Wayne State University must be 2.5 or above. This coursework should generally conform to the Level 1 courses prescribed by the College for students who expect to prepare for teaching. The quality of work, especially in the major area, must indicate a strong potential for success in a teacher-education program.
2. Intermediate Composition Competency Requirement: All Education students must satisfactorily complete the University intermediate composition competency (<http://bulletins.wayne.edu/undergraduate/general-information/general-education/competency-requirements/>) requirement prior to admission.
3. Physical Health: Definite standards of health must be met by all students entering the College. All students are required to present a negative tuberculosis (T.B.) test prior to admission.
4. Group Work Experience: All students must have verifiable successful group work (forty hours) experience with children.
5. Criminal History Check: All students must submit a current (within the last six months) statewide criminal history check ([http://coe.wayne.edu/pdfs/criminal\\_history\\_new.pdf](http://coe.wayne.edu/pdfs/criminal_history_new.pdf)).
6. Elementary Education: Students seeking admission to Elementary Education must complete MAT 1110
7. Special Education: Students seeking admission to Special Education must have completed the following courses:

Code	Title	Credits
MAT 1110	Mathematics for Elementary School Teachers I (or have appropriate prerequisite math course in progress)	3

PSY 1010	Introductory Psychology	4
PSY 2400	Developmental Psychology	4
Select one of the following:		3-4
BIO 1030	Biology Today	
BIO 1050	An Introduction to Life	
BIO 1500	Basic Life Diversity	
BIO 1510	Basic Life Mechanisms	
SCE 5010	Biological Sciences for Elementary and Middle School Teachers	

8. Secondary Education: Students seeking admission to Secondary Education must have twelve-semester credits completed in the major
9. Specific Prerequisites or other special requirements of the curriculum area for which the student is applying.

### Application for Level 2 Standing

Upon completion of a minimum of fifty-three-semester credits of college coursework and all other Level 2 admission requirements, students should apply for College of Education Level 2 standing ([https://waynestate.az1.qualtrics.com/jfe/form/SV\\_3qKtBNQIsMH0zyJ/](https://waynestate.az1.qualtrics.com/jfe/form/SV_3qKtBNQIsMH0zyJ/)). Applicants who have completed college work in institutions other than Wayne State must first apply for admission through the University Office of Admissions (<http://bulletins.wayne.edu/undergraduate/general-information/admission/>).

Students who intend to receive degrees from other colleges in the University AND a teaching certificate from the College of Education must apply to the Combined Program through Academic Services, 489 Education Building. All applicants to Level 2 must attend Cornerstone Welcome.

## Degree Requirements (K-5 all subjects, K-8 self-contained certification)

All students must complete the College Requirements and the Planned Program/Comprehensive Major as outlined below. Students have a choice of selecting a core major or a student-centered minor (i.e. Bilingual-Bicultural Education, Early Childhood, English as a Second Language). Some of the courses cited in the following curricula may satisfy the University General Education Requirements (<http://bulletins.wayne.edu/undergraduate/general-information/general-education/>) AND requirements in the major and minor. No grade below 'C' may be used to meet requirements specific to elementary education, the major, the minor (including the planned minor), or professional education courses; a grade of 'C-minus' is not acceptable.

## Planned Program/Comprehensive Major

Code	Title	Credits
<b>Children's Literature</b>		
ELE 6200	Diverse Children's Literature for Elementary Teachers	
<b>U.S. History</b>		
HIS 2040	American Foundations to 1877	
HIS 2050	Modern America: Since 1877	
<b>Michigan History</b>		
HIS 2240	History of Michigan	
<b>Biology</b>		
Select one of the following:		
BIO 1030	Biology Today	
BIO 1050	An Introduction to Life	
BIO 1500	Basic Life Diversity	

BIO 1510	Basic Life Mechanisms
SCE 5010	Biological Sciences for Elementary and Middle School Teachers

#### Physical Science

SCE 5020	Physical Sciences for Elementary and Middle School Teachers
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#### Earth/Space Science

SCE 5030	Earth/Space Science for Elementary and Middle School Teachers
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#### Health and Physical Education

KIN 5550	Health and Physical Education for the Elementary School Teacher
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#### Teacher Education

TED 2250	Becoming an Urban Educator
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#### Level 2 Courses

AED 5050	Integrating the Arts into the Elementary Classroom
BBE 5000	Multicultural Education in Urban America
EDP 3310	Educational Psychology
ELE 6220	Literacy I
ELE 6240	Literacy II
ELE 6390	Mathematics Instruction: P-8
ELE 6500	Science Curriculum: P-8
ELE 6600	Social Studies Curriculum: P-8
ELE 6070	Family, Community and School Partnerships: Supporting Children's Learning
ELE 6260	Literacy III
SED 5010	Inclusive Teaching
TED 6020	Computer Applications in Teaching I

#### Clinical Courses (Off-Campus) <sup>1</sup>

The following courses must be taken prior to Pre-Student Teaching:

ELE 6220	Literacy I
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Additional methods course (see advisor)

#### Pre-Student Teaching

TED 5150	Analysis of Elementary Teaching
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#### Final Clinical Experience

TED 5780	Directed Teaching and Conference
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#### Elementary Student Teaching Experience <sup>2</sup>

TED 5780	Directed Teaching and Conference
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#### Early Childhood Final Clinical Experience

ELE 6080	Preprimary Goals and Practices
TED 5790	Directed Teaching and Conference for Special Groups

<sup>1</sup> Courses listed below are taken in public schools in the Detroit metropolitan area. All of the courses in the professional sequence must be completed before entering TED 5780.

<sup>2</sup> All students enrolling in the Early Childhood program must have a Major or Minor in Early Childhood and must complete two semesters of student teaching; for requirements see EARLY CHILDHOOD SPECIALIZATION (Minimum Twenty-four Credits)

## Early Childhood General and Special Education Concentration (non-certification option)

This concentration enables students to qualify for positions in Early Childhood Education (ECE) as lead teachers in infant/toddler and preschool educational settings. Students will earn a Bachelor of Arts in

Elementary Education with a concentration in Early Childhood General and Special Education. The program is designed for persons interested in working with young children birth-to-five years old and their families. The program is a minimum of 120 credit hours and the focus of the curriculum is on the growth and development of the young child including children who have developmental delays or disabilities, and the influence of family and society dynamics on the child's development and learning. The ECE curriculum includes the theories, principles, development, and evaluation of relationship-based learning and teaching in early childhood intervention and education settings; as well as assessment and teaching strategies, materials and equipment for physical, social, language/communication, emotional, and intellectual development for all young children. Support systems for children and their families are examined to promote healthy development and learning. A field experience is required.

Code	Title	Credits
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General Education Courses (28-34 credit hours) (<http://bulletins.wayne.edu/undergraduate/general-information/general-education/>)

#### Core Courses (23-28 credit hours)

HIS 1000	World Civilization to 1500 or HIS 1300 Europe and the World: 1500-1945 or HIS 1400 The World Since 1945	
HIS 1300	Europe and the World: 1500-1945	
HIS 1400	The World Since 1945	
MAT 1110	Mathematics for Elementary School Teachers I	
MAT 1120	Mathematics for Elementary School Teachers II	
PSY 1010	Introductory Psychology or PSY 1020 Elements of Psychology	
PSY 1010	Introductory Psychology or PSY 1030 Introductory Psychology Laboratory	
TED 2250	Becoming an Urban Educator	
TED 5790	Directed Teaching and Conference for Special Groups	

#### Early Childhood Education Courses (30 credit hours)

ELE 6070	Family, Community and School Partnerships: Supporting Children's Learning	
ELE 6050	Infant and Toddler Development to Inform Relationship-Based Curricula and Interventions	
ELE 6010	Family Centered Collaboration in Early Childhood Intervention and Special Education	
ELE 6020	Seminar in Early Childhood Education	
ELE 6040	Role of Content Areas in Early Childhood Education	
ELE 6080	Preprimary Goals and Practices	
ELE 6090	Introduction to Infant Mental Health Theory and Practice	
ELE 6100	Planning and Implementing Preschool Curriculum	
ELE 6340	Teaching Reading in Early Childhood Education	
SED 6040	Introduction to Early Childhood Special Education	

#### Electives

Must be approved by Faculty Advisor (as needed to reach the minimum of 120 credit hours for the degree)

BBE 5000	Multicultural Education in Urban America	
BIO 1030	Biology Today or BIO 1050 An Introduction to Life or BIO 1510 Basic Life Mechanisms	
ELE 6200	Diverse Children's Literature for Elementary Teachers	

ELE 6260	Literacy III
HIS 2040	American Foundations to 1877
HIS 2050	Modern America: Since 1877
HIS 2240	History of Michigan
PSY 3430	Infant Development
PSY 3440	Psychology of Child Behavior and Development
SCE 5010	Biological Sciences for Elementary and Middle School Teachers
SED 5010	Inclusive Teaching
KIN 5550	Health and Physical Education for the Elementary School Teacher

## Arabic K-12: Teaching Major

(Minimum 45 credit hours)

Students must score 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).

Code	Title	Credits
<b>Content Area Requirements</b>		
ARB 3110	Advanced Arabic I	3
ARB 3120	Advanced Arabic II	3
ARB 3210	Spoken Arabic	3
ARB/NE 5230	Structure of Arabic	3
ARB 5140	Modern Arabic Literature in Arabic and English	3
ARB 5010	Medieval Arabic Texts	3
ARB 5020	Media Arabic	3
ARB 5240	Quranic Arabic	3
NE 3040/ HIS 3320	Twentieth Century Middle East	3
NE/ANT 3550	Arab Society in Transition	3
<b>Methodology Requirements</b>		
LED 6500	Teaching World Languages in Elementary and Middle Schools: Methods III	3
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
LED 6530	Teaching English as a Second Language/Foreign Language: Methods II	3
<b>Additional Requirements</b>		
EDP 5480	Adolescent Psychology	3
RLL 6700	Second Language Literacy Development: K-12	3
<b>Total Credits</b>		<b>45</b>

## Arabic: Teaching Major

(Minimum 33 credit hours)

Students must score 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).

Code	Title	Credits
<b>Content Area Requirements</b>		
ARB 3110	Advanced Arabic I	3
ARB 3120	Advanced Arabic II	3
ARB 3210	Spoken Arabic	3
ARB/NE 5230	Structure of Arabic	3
ARB 5140	Modern Arabic Literature in Arabic and English	3

ARB 5010	Medieval Arabic Texts	3
ARB 5240	Quranic Arabic	3
ARB 5020	Media Arabic	3
NE 3040/ HIS 3320	Twentieth Century Middle East	3
NE/ANT 3550	Arab Society in Transition	3

### Methodology Requirements

LED 6530	Teaching English as a Second Language/Foreign Language: Methods II	2-3
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3

**Total Credits** 35-36

## Early Childhood Education: Teaching Major

(Minimum 33 credit hours)

Code	Title	Credits
ELE 6010	Family Centered Collaboration in Early Childhood Intervention and Special Education	3
or ELE 6060	Community Contacts: Working with Families in Urban Settings	
ELE 6020 Seminar	in Early Childhood Education	3
ELE 6040	Role of Content Areas in Early Childhood Education	3
ELE 6050	Infant and Toddler Development to Inform Relationship-Based Curricula and Interventions	3
ELE 6070	Family, Community and School Partnerships: Supporting Children's Learning	3
ELE 6080	Preprimary Goals and Practices	3
ELE 6090	Introduction to Infant Mental Health Theory and Practice	3
ELE 6100	Planning and Implementing Preschool Curriculum	3
ELE 6200	Diverse Children's Literature for Elementary Teachers	3
ELE 6340	Teaching Reading in Early Childhood Education	3
SED 6040	Introduction to Early Childhood Special Education	3
<b>Total Credits</b>		<b>33</b>

## French K-12: Teaching Major

(Minimum 45 credit hours)

Students must score at the Advanced Low Level in French, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL).

## French: Teaching Major

(Minimum 36 credit hours)

Students must score at the Advanced Low Level in French, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL).

## Integrated Science: Teaching Major

Integrated Science is defined by the Michigan Department of Education as a comprehensive major. A teaching minor is not required.

Code	Title	Credits
<b>Content Area Requirements</b>		
Biology (five courses for twenty credits)		
BIO 1500	Basic Life Diversity	4
BIO 1510	Basic Life Mechanisms	4
BIO 2200	Introductory Microbiology	5
BIO 3070	Genetics	4
BIO 4120	Comparative Physiology	4
Chemistry (four courses, plus labs for seventeen credits)		
CHM 1100 & CHM 1130	General Chemistry I and General Chemistry I Laboratory	5
CHM 1240 & CHM 1250	Organic Chemistry I and Organic Chemistry I Laboratory	5
CHM 2220 & CHM 2230	Organic Chemistry II and Organic Chemistry II Laboratory	5
SCE 6010	Safety in the Science Classroom	2
Physics (three courses, plus corequisite labs for twelve credits)		
PHY 2130 & PHY 2131	Physics for the Life Sciences I and Physics for the Life Sciences Laboratory	5
PHY 2140 & PHY 2141	Physics for the Life Sciences II and Physics for the Life Sciences Laboratory	5
PHY 5015 & PHY 3310	Non-classical Physics for Educators and Introductory Modern Physics Laboratory	5
Earth/Space Science (three courses, plus lab for twelve credits)		
AST 2010 & AST 2011	Descriptive Astronomy and Descriptive Astronomy Laboratory	5
ESG 1010	Geology: The Science of the Earth	3
ESG 1011	Geology: The Science of the Earth Laboratory	1
ESG 1370	Meteorology: The Study of Weather	3
<b>Additional Requirements</b>		
MAT 1800	Elementary Functions	4
Elective in: Mathematics or Computer Science		
<b>Methodology Requirements</b>		
SCE 5060	Methods and Materials of Instruction in Secondary School Science I	3
SCE 6030	Advanced Studies in Teaching Science in the Junior High and Middle School	3
<b>Total Credits</b>		<b>77</b>

## Language Arts: Teaching Major

(Minimum 36 credit hours)

Code	Title	Credits
COM 1500	Survey of Mass Communication	3
EED 6210	Language, Literacy, and Learning	3
EED 6310	Young Adult Literature	3
ELE 6200	Diverse Children's Literature for Elementary Teachers	3
Select one of the following:		
ENG 2390	Introduction to African-American Literature: Literature and Writing	3
ENG 3470	Survey of African-American Literature	3
ENG 5480	Topics in African American Literature	3
ENG 3800	Introduction to Creative Writing	3
ENG 3010	Intermediate Writing	3
ENG 3110	English Literature to 1700	3
ENG 3120	English Literature after 1700	3

ENG 3130	American Literature to 1865	3
or ENG 3140	American Literature after 1865	
Additional Coursework		6
<b>Total Credits</b>		<b>36</b>

## Mathematics: Teaching Major

(Minimum 32 credit hours)

Code	Title	Credits
MAE 5100/ MAT 5180	Geometry for Middle School Teachers	3
MAE 5110/ MAT 5190	Number Theory for Middle School Teachers	3
MAE/MAT 5120	Abstract Algebra for Middle School Teachers	3
MAE 5130	Problem Solving for Middle School Teachers	3
MAT 1110	Mathematics for Elementary School Teachers I	3
MAT 1120	Mathematics for Elementary School Teachers II	3
MAT 1800	Elementary Functions	4
MAT 2010	Calculus I	4
MAT 2860	Discrete Mathematics	3
STA 1020	Elementary Statistics	3-4
or STA 2210	Probability and Statistics	
<b>Total Credits</b>		<b>32-33</b>

## Social Studies: Teaching Major

(Minimum 38 credit hours)

Code	Title	Credits
ECO 2010	Principles of Microeconomics	4
ECO 2020	Principles of Macroeconomics	4
GPH 1100	World Regional Patterns	4
GPH 2200	Geography of Michigan	3
HIS 1000	World Civilization to 1500	4
HIS 2040	American Foundations to 1877	3-4
HIS 2050	Modern America: Since 1877	3-4
PS 1010	American Government	3-4
or PS 1030	The American Governmental System	
PS 3070	Michigan Politics	4
SSE 5720	Social Studies Disciplines for Elementary Teachers I	3
SSE 6720	Teaching the Interdisciplinary Knowledge of Social Studies	3
<b>Total Credits</b>		<b>38-41</b>

## Spanish K-12: Teaching Major

(Minimum 45 credit hours)

Students must score at the Advanced Low Level in Spanish, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL)

Code	Title	Credits
<b>Content Area Requirements</b>		
SPA 3025	Cultural Connections, Grammar and Composition II	3
SPA 3200	Conversation	3
SPA 3300	Introduction to Cultural and Literary Analysis	3
SPA 4610	Introduction to Early Modern Spanish Literature	3

or SPA 4620	Introduction to Modern and Contemporary Spanish Literature	
SPA 4630	Introduction to Colonial Latin American Literature	3
or SPA 4640	Introduction to Modern and Contemporary Latin American Literature	
SPA 5100	Advanced Composition	3
SPA 5200	Spanish Phonetics	3
Select one of the following:		3
SPA 5550	Spanish Culture and Its Tradition	
SPA 5560	Spanish American Cultures and their Traditions	
SPA 5570	Topics in Hispanic Culture or Language	
SPA 6400	Introduction to Hispanic Linguistics	3
SPA 6560	Cervantes	3
or SPA 6620	Latin American Novel in the 20th and 21st Centuries	
<b>Methodology Requirements</b>		
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
LED 6530	Teaching English as a Second Language/Foreign Language: Methods II	3
<b>Additional Requirements</b>		
EDP 5480	Adolescent Psychology	3
RLL 6700	Second Language Literacy Development: K-12	3
<b>Total Credits</b>		<b>42</b>

## Spanish: Teaching Major

(Minimum 36 credit hours)

Students must score at the Advanced Low Level in Spanish, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL).

Code	Title	Credits
<b>Content Area Requirements</b>		
SPA 3025	Cultural Connections, Grammar and Composition II	3
SPA 3200	Conversation	3
SPA 3300	Introduction to Cultural and Literary Analysis	3
SPA 4610	Introduction to Early Modern Spanish Literature	3
or SPA 4620	Introduction to Modern and Contemporary Spanish Literature	
SPA 4630	Introduction to Colonial Latin American Literature	3
or SPA 4640	Introduction to Modern and Contemporary Latin American Literature	
SPA 5100	Advanced Composition	3
SPA 5200	Spanish Phonetics	3
Select one of the following:		3
SPA 5550	Spanish Culture and Its Tradition	
SPA 5560	Spanish American Cultures and their Traditions	
SPA 5570	Topics in Hispanic Culture or Language	
SPA 6400	Introduction to Hispanic Linguistics	3
SPA 6560	Cervantes	3
or SPA 6620	Latin American Novel in the 20th and 21st Centuries	
<b>Methodology Requirements</b>		
LED 6500	Teaching World Languages in Elementary and Middle Schools: Methods III	3
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
<b>Total Credits</b>		<b>36</b>

## Arabic: Teaching Minor

(Minimum 27 credit hours)

Students must score 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).

Code	Title	Credits
<b>Content Area Requirements</b>		
ARB 3110	Advanced Arabic I	3
ARB 3120	Advanced Arabic II	3
ARB 3210	Spoken Arabic	3
ARB/NE 5230	Structure of Arabic	3
ARB 5140	Modern Arabic Literature in Arabic and English	3
NE 3040/ HIS 3320	Twentieth Century Middle East	3
NE/ANT 3550	Arab Society in Transition	3
<b>Methodology Requirements</b>		
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
<b>Total Credits</b>		<b>24</b>

## Bilingual-Bicultural Education: Teaching Minor

(Minimum 23 credit hours)

Students must demonstrate superior proficiency (speaking, reading, and writing) in a non-English language as measured by the Oral Proficiency Interview (OPI) and Writing Proficiency Test (WPT) from the American Council on the Teaching of Foreign Languages. (ACTFL).

Code	Title	Credits
BBE 5500	Introduction to Bilingual/Bicultural Education	3
BBE 6560	Teaching Methods in Bilingual/Bicultural Education	3
BBE 6850	Applied Linguistics: Issues in Bilingual Education	3
BBE 6590	Culture and Language in Bilingual/Bicultural Education	3
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
LED 6555	Integration of Language and Content in Language Teaching	3
RLL 6700	Second Language Literacy Development: K-12	3
<b>Total Credits</b>		<b>21</b>

Note: An internship in Bilingual/Bicultural Teaching (BBE 6600) may be required. Students should consult their advisor for more information.

## Early Childhood Education: Teaching Minor

(Minimum 24 credit hours)

Code	Title	Credits
ELE 6020	Seminar in Early Childhood Education	3
ELE 6040	Role of Content Areas in Early Childhood Education	3
ELE 6050	Infant and Toddler Development to Inform Relationship-Based Curricula and Interventions	3

ELE 6070	Family, Community and School Partnerships: Supporting Children's Learning	3
ELE 6080	Preprimary Goals and Practices	3
ELE 6200	Diverse Children's Literature for Elementary Teachers	3
ELE 6340	Teaching Reading in Early Childhood Education	3
SED 6040	Introduction to Early Childhood Special Education	3
<b>Total Credits</b>		<b>24</b>

## English as a Second Language (ESL): Teaching Minor

(Minimum 23 credits hours)

A major or minor in Language Arts is strongly recommended with an ESL Minor.

Code	Title	Credits
BBE 6850	Applied Linguistics: Issues in Bilingual Education	3
LED 6510	Second Language Acquisition and the Teaching of Grammar	3
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
LED 6555	Integration of Language and Content in Language Teaching	3
LED 6565	Assessment in Language Teaching	3
LED 6580	Culture as the Basis for Language Teaching	3
RLL 6700	Second Language Literacy Development: K-12	3
<b>Total Credits</b>		<b>21</b>

Note: An internship in Bilingual/Bicultural Teaching (BBE 6600) may be required. Students should consult their advisor for more information.

## French: Teaching Minor

(Minimum 27 credit hours)

Students must score at the Advanced Low Level in French, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL)

## Integrated Science: Teaching Minor

Code	Title	Credits
AST 2010	Descriptive Astronomy	4
AST 2011	Descriptive Astronomy Laboratory	1
BIO 1050	An Introduction to Life	3
CHM 1000	Chemistry and Your World	4
ESG 1010	Geology: The Science of the Earth	3
ESG 1011	Geology: The Science of the Earth Laboratory	1
PHY 1020	Conceptual Physics: The Basic Science	3
SCE 5010	Biological Sciences for Elementary and Middle School Teachers	3
SCE 5020	Physical Sciences for Elementary and Middle School Teachers	3
SCE 6010	Safety in the Science Classroom	2
<b>Total Credits</b>		<b>27</b>

## Language Arts: Teaching Minor

(Minimum 24 credit hours)

Code	Title	Credits
COM 1500	Survey of Mass Communication	3
EED 6210	Language, Literacy, and Learning	3
ELE 6200	Diverse Children's Literature for Elementary Teachers	3
Select one of the following:		3
ENG 2390	Introduction to African-American Literature: Literature and Writing	
ENG 3470	Survey of African-American Literature	
ENG 5480	Topics in African American Literature	
ENG 3800	Introduction to Creative Writing	3
ENG 3010	Intermediate Writing	3
ENG 3130	American Literature to 1865	3
or ENG 3140	American Literature after 1865	
Additional Coursework		3
<b>Total Credits</b>		<b>24</b>

## Mathematics: Teaching Minor

(Minimum 23 credit hours)

Code	Title	Credits
MAE 5100/ MAT 5180	Geometry for Middle School Teachers	3
MAE 5110/ MAT 5190	Number Theory for Middle School Teachers	3
MAE/MAT 5120	Abstract Algebra for Middle School Teachers	3
MAT 1110	Mathematics for Elementary School Teachers I	3
MAT 1120	Mathematics for Elementary School Teachers II	3
MAT 1800	Elementary Functions	4
MAT 2010	Calculus I	4
<b>Total Credits</b>		<b>23</b>

## Spanish: Teaching Minor

(Minimum 24 credit hours)

Students must score at the Advanced Low Level in Spanish, as measured by the Oral Proficiency Interview (OPI) from the American Council on the Teaching of Foreign Languages (ACTFL)

Code	Title	Credits
<b>Content Area Requirements</b>		
SPA 3025	Cultural Connections, Grammar and Composition II	3
SPA 3200	Conversation	3
SPA 3300	Introduction to Cultural and Literary Analysis	3
SPA 4610	Introduction to Early Modern Spanish Literature	3
or SPA 4620	Introduction to Modern and Contemporary Spanish Literature	
SPA 4630	Introduction to Colonial Latin American Literature	3
or SPA 4640	Introduction to Modern and Contemporary Latin American Literature	
SPA 5100	Advanced Composition	3
SPA 5200	Spanish Phonetics	3
<b>Methodology Requirements</b>		
LED 6520	Teaching English as a Second Language/Foreign Language: Methods I	3
<b>Total Credits</b>		<b>24</b>