

# SPECIAL EDUCATION (SECONDARY EDUCATION) - BACHELOR OF SCIENCE IN EDUCATION (ONLINE)

## Teaching Field: Language Arts

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 132 credits with 48 credits in courses numbered 3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I <sup>1</sup>	4
<i>English Composition - Level 2</i>		
<i>Oral Communication</i>		
Choose one from the following:		3
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
HNRS 2175G	Introduction to Communication Honors	
<i>Area II Mathematics</i>		
MATH 1220G	College Algebra <sup>1,3</sup>	3
or MATH 1250G	Trigonometry & Pre-Calculus	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
CEPY 1120G	Human Growth and Behavior	3
Area III: Laboratory Science Course(s) <sup>4</sup>		8
<i>Area V: Humanities</i>		
HIST 1160G	Western Civilization II	3
<i>Area V: Creative and Fine Arts</i>		
THEA 1110G	Introduction to Theatre (Language Arts Teaching Field/Concentration)	3
<i>General Education Elective</i>		
HIST 1110G	United States History I	3
or HIST 1120G	United States History II	
<b>Viewing the Wider World</b>		
LIBR 311V	Information Literacy	3
The 2nd VWW requirements will be satisfied with the concentration/teaching field courses <sup>5</sup>		
<b>Departmental/College Requirements</b>		
<i>Secondary Education Requirements</i>		
EDUC 1185	Introduction to Secondary Education and Youth <sup>1,6</sup>	3
SPED 3105	Introduction to Special Education in a Diverse Society <sup>1</sup>	3
EDLT 3110	Integrating Technology with Teaching (Pre/Co-requisite for TEP admission) <sup>1</sup>	3
BLED 3120	Sheltered English Instruction for the ESL Classroom <sup>2</sup>	3
EDUC 4510	Data Literacy and Assessment <sup>2</sup>	3

EDUC 4440	Teaching Language Arts at the Middle and High School Level <sup>2,6</sup>	3
READ 4330	Content Area Literacy <sup>2</sup>	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society <sup>2</sup>	3
<i>Student Teaching</i>		
SPED 4820	Student Teaching SPED <sup>2</sup>	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<i>Special Education Core Requirements</i>		
SPED 4220	Classroom Management for Diverse Learners	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
SPED 4120	High Incidence Disabilities in a Diverse Society <sup>2</sup>	3
SPED 4110	Low Incidence Disabilities in a Diverse Society <sup>2</sup>	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity (Not with EDUC 4996) <sup>2,6,7</sup>	3
READ 3110	Instruction for Special Reading Needs <sup>2</sup>	3
EDUC 4996	Topics (Dual License Practicum; Prerequisite EDUC 4440) <sup>2,6,7</sup>	3
<i>Language Arts Teaching Field/Concentration Requirements</i>		
For the teaching field/concentration both (COMM 1130G or COMM 1115G) and (ENGL 2130G or ENGL 2210G) will count towards General Education as well		
ENGL 2610	American Literature I	3
or ENGL 2620	American Literature II	
ENGL 2630	British Literature I	3
or ENGL 2640	British Literature II	
ENGL 310	Critical Writing	3
ENGL 408	Shakespeare I	3
or ENGL 409	Shakespeare II	
ENGL 416	Approaches to Literature	3
ENGL 470	Approaches to Composition	3
ENGL 400+ Literature Elective		3
Choose one from the following:		3
ENGL 339V	Chicana/o Literature	
ENGL 380V	Women Writers	
ENGL 394V	Southwestern Literature	
Choose one from the following courses		3
ENGL 405	Chaucer	
ENGL 442	Modern and Contemporary American Poetry	
ENGL 458	Latino/a Literature and Culture	
ENGL 469	Advanced Study in American Literature	
ENGL 481	Women's Literature	
Choose one from the following courses		3
ENGL 412	Writing in the Workplace	
ENGL 431	Technical Editing	
ENGL 449	Advanced Study in Writing	
ENGL 479	Computers and Writing	
<b>Non-Departmental Requirements (in addition Gen.Ed/VWW)</b>		
MATH 1430G	Applications of Calculus I	3
or MATH 1130G	Survey of Mathematics	
JOUR 105G	Media and Society	3
One additional Area IV: Social/Behavioral Sciences Course (must be a different subject area than the course selected above) <sup>4</sup>		3
<b>Second Language: (not required)</b>		

<b>Electives, to bring the total credits to 132</b>	<b>0</b>
<b>Total Credits</b>	<b>132</b>

- <sup>1</sup> Course prerequisite for the Teacher Education Program (TEP) admission
- <sup>2</sup> Course requires admission to the Teacher Education Program (TEP)
- <sup>3</sup> MATH 1220G College Algebra or MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G or MATH 1250G first.
- <sup>4</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses
- <sup>5</sup> The 9 credits of Upper-Division ENGL courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.
- <sup>6</sup> Course requires field experience
- <sup>7</sup> SPED 4811 requires 90 practicum hours; EDUC 4996 requires 100 practicum hours

## Teaching Field: Math

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 129 credits with 48 credits in courses numbered 3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education Requirements</b>		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I <sup>1</sup>	4
<i>English Composition - Level 2</i>		
Choose one from the following courses		3
ENGL 2130G	Advanced Composition	
ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	
<i>Oral Communication</i>		
Choose one from the following courses		3
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
HNRS 2175G	Introduction to Communication Honors	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
<i>Area II: Mathematics</i>		
MATH 1511G	Calculus and Analytic Geometry I <sup>2</sup>	4
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
CEPY 1120G	Human Growth and Behavior	3
Choose one from the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
Choose one from the following:		4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	

PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
<i>Area V: Humanities</i>		
HIST 1150G or HIST 1160G	Western Civilization I or Western Civilization II	3
<i>Area VI: Creative and Fine Arts</i>		
Choose one from the following courses		3
ARTH 1115G	Orientation in Art	
DANC 1110G	Dance Appreciation	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
MATH 1521G	Calculus and Analytic Geometry II	4
<b>Viewing the Wider World</b>		
LIBR 311V	Information Literacy	3
The 2nd VWW requirements will be satisfied with the concentration/teaching field courses <sup>3</sup>		
<b>Departmental/College Requirements</b>		
<i>Secondary Education Core Requirements</i>		
EDUC 1185	Introduction to Secondary Education and Youth <sup>1,4</sup>	3
SPED 3105	Introduction to Special Education in a Diverse Society <sup>1</sup>	3
EDLT 3110	Integrating Technology with Teaching (Pre/Co-requisite for admission to TEP) <sup>1</sup>	3
BLED 3120	Sheltered English Instruction for the ESL Classroom <sup>5</sup>	3
EDUC 4510	Data Literacy and Assessment <sup>5</sup>	3
EDUC 4420	Teaching Mathematics at the Middle and High School Level <sup>4,5</sup>	3
READ 4330	Content Area Literacy <sup>5</sup>	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society <sup>5</sup>	3
<i>Student Teaching</i>		
SPED 4820	Student Teaching SPED <sup>5</sup>	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<i>Special Education Requirements</i>		
SPED 4220	Classroom Management for Diverse Learners	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
SPED 4120	High Incidence Disabilities in a Diverse Society <sup>5</sup>	3
SPED 4110	Low Incidence Disabilities in a Diverse Society <sup>5</sup>	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity (Not with EDUC 4996) <sup>4,5,6</sup>	3
READ 3110	Instruction for Special Reading Needs <sup>5</sup>	3
EDUC 4996	Topics (Dual License Practicum; Prerequisite EDUC 4420) <sup>4,5,6</sup>	3
<i>Math Education Teaching Field/Concentration Requirements</i>		
MATH 2530G	Calculus III	3
C S 111	Computer Science Principles	4
E T 182	Introduction to Digital Logic	0,2
MATH 1531	Introduction to Higher Mathematics	3
MATH 2415	Introduction to Linear Algebra	3
STAT 371 or A ST 311	Statistics for Engineers and Scientists Statistical Applications	3
MATH elective numbered 300+		3

MATH elective numbered 300+	3
MATH or A ST elective numbered 300+ <sup>7</sup>	3
<b>Non-Departmental Requirements (in addition to Gen.Ed/VWW)</b>	
HIST 1110G United States History I	3
or HIST 1120G United States History II	
Choose one from the following:	3
ECON 1110G Survey of Economics	
ECON 2110G Macroeconomic Principles	
ECON 2120G Principles of Microeconomics	
Choose one from the following:	3
ANTH 1140G Introduction to Cultural Anthropology	
ANTH 1115G Introduction to Anthropology	
ANTH 1160G World Archaeology	
GEOG 1120G World Regional Geography	
GEOG 1130G Human Geography	
POLS 1120G American National Government	
POLS 1110G Introduction to Political Science	
POLS 1130G Issues in American Politics	
POLS 2120G International Relations	
SOCI 1110G Introduction to Sociology	
SOCI 2310G Contemporary Social Problems	
<b>Second Language: (not required)</b>	
<b>Electives, to bring the total credits to 132</b>	<b>0</b>
<b>Total Credits</b>	<b>129-131</b>

- <sup>1</sup> Prerequisite for admission to Teacher Preparation Program (TEP)
- <sup>2</sup> MATH 1511G Calculus and Analytic Geometry I is required for the degree but students may need to take any prerequisites needed to enter MATH 1511G Calculus and Analytic Geometry I first.
- <sup>3</sup> The 9 credits of Upper-Division MATH courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.
- <sup>4</sup> Course requires field experience
- <sup>5</sup> Course requires admission to Teacher Education Program (TEP)
- <sup>6</sup> SPED 4811 requires minimum of 90 practicum hours; EDUC 4996 requires a minimum of 100 practicum hours
- <sup>7</sup> If students take a MATH 300+ course instead of a A ST this course will also count as the second VWW requirement. If they take the A ST course they will need to take either an additional MATH course or an additional VWW course.

## Teaching Field: Science

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 130 credits with 48 credits in courses numbered 3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I <sup>1</sup>	4
<i>English Composition - Level 2</i>		
Choose one from the following courses		3
ENGL 2130G	Advanced Composition	

ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	
<i>Oral Communication</i>		
Choose one from the following courses		3
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
HNRS 2175G	Introduction to Communication Honors	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra <sup>1, 2</sup>	3
or MATH 1250G	Trigonometry & Pre-Calculus	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory (Teaching Field/ Concentration Course(s))	4
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory (Teaching Field/ Concentration Course(s))	4
CEPY 1120G	Human Growth and Behavior	3
<i>Area V: Humanities</i>		
Choose one from the following courses		3
HIST 1105G	Making History	
HIST 1110G	United States History I	
HIST 1120G	United States History II	
HIST 1130G	World History I	
HIST 1140G	World History II	
HIST 1150G	Western Civilization I	
HIST 1160G	Western Civilization II	
HIST 2245G	Islamic Civilization to 1500	
HIST 2246G	Islamic Civilizations since 1800	
HIST 2250G	East Asia to 1600	
HIST 2251G	East Asia since 1600	
<i>Area VI: Creative and Fine Arts</i>		
Choose one from the following:		3
ARTH 1115G	Orientation in Art	
ARTS 1145G	Visual Concepts	
DANC 1110G	Dance Appreciation	
MUSC 1130G	Music Appreciation: Western Music	
MUSC 1110G	Music Appreciation: Jazz	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
GEOG 1120G	World Regional Geography	3
or GEOG 1130G	Human Geography	
<b>Viewing the Wider World</b>		
LIBR 311V	Information Literacy	3
The 2nd VWW requirements will be satisfied with the concentration/teaching field courses <sup>3</sup>		
<b>Departmental/College Requirements</b>		
<i>Secondary Education Core Requirements</i>		
EDUC 1185	Introduction to Secondary Education and Youth <sup>1,4</sup>	3
SPED 3105	Introduction to Special Education in a Diverse Society <sup>1</sup>	3

EDLT 3110	Integrating Technology with Teaching (Pre/Co-requisite for admission to TEP) <sup>1</sup>	3
BLED 3120	Sheltered English Instruction for the ESL Classroom <sup>5</sup>	3
EDUC 4510	Data Literacy and Assessment <sup>5</sup>	3
EDUC 4410	Teaching Science at the Middle and High School Level <sup>4,5</sup>	3
READ 4330	Content Area Literacy <sup>5</sup>	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society <sup>5</sup>	3
<b>Student Teaching</b>		
SPED 4820	Student Teaching SPED <sup>5</sup>	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<b>Special Education Core Requirements</b>		
SPED 4220	Classroom Management for Diverse Learners	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
SPED 4120	High Incidence Disabilities in a Diverse Society <sup>5</sup>	3
SPED 4110	Low Incidence Disabilities in a Diverse Society <sup>5</sup>	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity (Not with EDUC 4996) <sup>4,5,6</sup>	3
READ 3110	Instruction for Special Reading Needs <sup>5</sup>	3
EDUC 4996	Topics (Dual License Practicum; Prerequisite EDUC 4410) <sup>4,5,6</sup>	3
<b>Science Education Teaching Field/Concentration Requirements</b>		
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	4
or CHEM 1216	General Chemistry I Lecture and Laboratory for CHEM Majors	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	4
or CHEM 1226	General Chemistry II Lecture and Laboratory for CHEM Majors	
Choose one from the following courses 4		
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 2110 & 2110L	Mechanics and Experimental Mechanics	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
PHYS 2230G & PHYS 2230L	General Physics for Life Science I and Laboratory to General Physics for Life Science I	
Choose one from the following courses 4		
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
PHYS 2140 & 2140L	Electricity and Magnetism and Electricity & Magnetism Laboratory	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
PHYS 2240G & PHYS 2240L	General Physics for Life Science II and Laboratory to General Physics for Life Science II	
BIOL 301	Principles of Ecology	3
BIOL 305	Principles of Genetics	3
BIOL 467	Evolution	3
BIOL 300+ Plant Science Elective		3
<b>Non-Departmental Requirements (in addition to Gen.Ed/VWW)</b>		

MATH 1430G	Applications of Calculus I	3
or MATH 1511G	Calculus and Analytic Geometry I	
Choose one from the following: 3		
ANTH 1140G	Introduction to Cultural Anthropology	
ANTH 1115G	Introduction to Anthropology	
ANTH 1160G	World Archaeology	
SOCI 1110G	Introduction to Sociology	
SOCI 2310G	Contemporary Social Problems	
One additional Area V/VI: Humanities or Creative & Fine Arts Course (must be a different subject area than the course selected above) <sup>7</sup> 3		
<b>Second Language: (not required)</b>		
<b>Electives, to bring the total credits to 130</b> 0		
<b>Total Credits</b> 130		

- <sup>1</sup> Prerequisite for admission to Teacher Preparation Program (TEP)  
<sup>2</sup> MATH 1220G College Algebra or MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G or MATH 1250G first.  
<sup>3</sup> The 9 credits of Upper-Division BIOL courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.  
<sup>4</sup> Course requires field experience  
<sup>5</sup> Course requires admission to Teacher Education Program (TEP)  
<sup>6</sup> SPED 4811 requires minimum of 90 practicum hours; EDUC 4996 requires a minimum of 100 practicum hours

## Teaching Field: Social Studies

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 135 credits with 48 credits in courses numbered 3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>Area I: Communications</i>		
<i>English Composition - Level 1</i>		
ENGL 1110G	Composition I <sup>1</sup>	4
<i>English Composition - Level 2</i>		
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	3
<i>Oral Communication</i>		
Choose one from the following courses 3		
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
HNRS 2175G	Introduction to Communication Honors	
<i>Area II: Mathematics</i>		
MATH 1220G	College Algebra <sup>1,3</sup>	3-4
or MATH 1250G	Trigonometry & Pre-Calculus	
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
CEPY 1120G	Human Growth and Behavior	3
Area III: Laboratory Sciences Course(s) 8		
<i>Area V: Humanities</i>		
HIST 1130G	World History I	3
or HIST 1140G	World History II	

Area VI: Creative and Fine Arts <sup>4</sup>	3
<i>General Education Elective</i>	

HIST 2250G	East Asia to 1600	3
or HIST 2251G	East Asia since 1600	

**Viewing the Wider World**

LIBR 311V	Information Literacy	3
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The 2nd VWW requirements will be satisfied with the concentration/teaching field courses<sup>5</sup>

**Departmental/College Requirements**

*Secondary Education Core Requirements*

EDUC 1185	Introduction to Secondary Education and Youth <sup>1,6</sup>	3
SPED 3105	Introduction to Special Education in a Diverse Society <sup>1</sup>	3
EDLT 3110	Integrating Technology with Teaching (Pre/Co-requisite for TEP admission) <sup>1</sup>	3
BLED 3120	Sheltered English Instruction for the ESL Classroom <sup>2</sup>	3
EDUC 4510	Data Literacy and Assessment <sup>2</sup>	3
EDUC 4430	Teaching Social Studies at the Middle and High School Level <sup>2</sup>	3
READ 4330	Content Area Literacy <sup>2</sup>	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society <sup>2</sup>	3

*Student Teaching*

SPED 4820	Student Teaching SPED <sup>2</sup>	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3

*Special Education Core Requirements*

SPED 4220	Classroom Management for Diverse Learners	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
SPED 4120	High Incidence Disabilities in a Diverse Society <sup>2</sup>	3
SPED 4110	Low Incidence Disabilities in a Diverse Society <sup>2</sup>	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity (Not with EDUC 4996) <sup>2,6,7</sup>	3
READ 3110	Instruction for Special Reading Needs <sup>2</sup>	3
EDUC 4996	Topics (Dual License Practicum; Prerequisite EDUC 4430) <sup>2,6,7</sup>	3

*Social Studies Teaching Field/Concentration Requirements*

ECON 2110G	Macroeconomic Principles	3
ECON 2120G	Principles of Microeconomics	3
GEOG 2130	Map Use and Analysis	3
HIST 1150G	Western Civilization I	3
or HIST 1160G	Western Civilization II	
HIST 1110G	United States History I	3
HIST 1120G	United States History II	3
HIST 2245G	Islamic Civilization to 1500	3
or HIST 2246G	Islamic Civilizations since 1800	
HIST 368	Teaching History	3
HIST 386	New Mexico History <sup>8</sup>	3
HIST Elective 300+		3
POLS, ECON, GEOG, or HIST Elective 300+		3

**Non-Departmental Requirements (in addition to Gen.Ed/VWW)**

MATH 1130G	Survey of Mathematics	3
or MATH 1430G	Applications of Calculus I	
GEOG 1120G	World Regional Geography	3

POLS 1120G	American National Government	3
or POLS 1110G	Introduction to Political Science	

**Second Language: (not required)**

<b>Electives, to bring the total credits to 135</b>	<b>0</b>
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<b>Total Credits</b>	<b>135-136</b>
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<sup>1</sup> Prerequisite for admission to Teacher Preparation Program (TEP)

<sup>2</sup> Course requires admission to Teacher Education Program (TEP)

<sup>3</sup> MATH 1220G College Algebra or MATH 1250G Trigonometry & Pre-Calculus is required for the degree but students may need to take any prerequisites needed to enter MATH 1220G or MATH 1250G first.

<sup>4</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses

<sup>5</sup> The 9 credits of Upper-Division HIST courses that are apart of the Concentration/Teaching Field coursework will meet the 2nd VWW requirement.

<sup>6</sup> Course requires field experience

<sup>7</sup> SPED 4811 requires minimum of 90 practicum hours; EDUC 4996 requires a minimum of 100 practicum hours

<sup>8</sup> Students who complete HIST 2110 at another campus/university will need to take an additional 3 credit course at the 300+ level in ECON, GEOG, GOVT, or HIST to meet state licensure requirements.

## A Suggested Plan of Study for Students

This roadmap assumes student placement in ENGL 1110G Composition I and the MATH course listed in Semester 1 of the First Year of each Teaching Field roadmap. The contents and order of this roadmap may vary depending on initial student placement in mathematics and English. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

## Teaching Field: Language Arts

**First Year**

<b>Semester 1</b>		<b>Credits</b>
ENGL 1110G	Composition I <sup>1</sup>	4
CEPY 1120G	Human Growth and Behavior	3
MATH 1220G	College Algebra <sup>1</sup>	3
or MATH 1250G	or Trigonometry & Pre-Calculus	
JOUR 105G	Media and Society	3
THEA 1110G	Introduction to Theatre	3
<b>Credits</b>		<b>16</b>

**Semester 2**

COMM 1115G	Introduction to Communication	3
MATH 1130G	Survey of Mathematics <sup>1</sup>	3
or MATH 1430G	or Applications of Calculus I	
HIST 1160G	Western Civilization II	3
EDUC 1185	Introduction to Secondary Education and Youth	3
ENGL 2610	American Literature I	3
or ENGL 2620	or American Literature II	
<b>Credits</b>		<b>15</b>

**Second Year**

**Semester 1**

ENGL 2210G	Professional and Technical Communication Honors <sup>1</sup>	3
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HIST 1110G or HIST 1120G	United States History I or United States History II	3
ENGL 2630 or ENGL 2640	British Literature I or British Literature II	3
SPED 3105	Introduction to Special Education in a Diverse Society	3
LIBR 311V	Information Literacy	3
Area III: Laboratory Science Course <sup>1</sup>		4
<b>Credits</b>		<b>19</b>

<b>Semester 2</b>		
EDLT 3110	Integrating Technology with Teaching	3
ENGL 310	Critical Writing	3
Choose one from the following:		3
ENGL 339V	Chicana/o Literature	
ENGL 380V	Women Writers	
ENGL 394V	Southwestern Literature	
SPED 4220	Classroom Management for Diverse Learners	3
BLED 3120	Sheltered English Instruction for the ESL Classroom	3
Area III: Laboratory Science Course <sup>1</sup>		4
<b>Credits</b>		<b>19</b>

<b>Third Year</b>		
<b>Semester 1</b>		
READ 3110	Instruction for Special Reading Needs	3
ENGL 408 or ENGL 409	Shakespeare I (Fall Only) or Shakespeare II	3
SPED 4120	High Incidence Disabilities in a Diverse Society (Fall Only)	3
ENGL 470	Approaches to Composition (Fall Only)	3
400-Level ENGL Literature Elective Course		3
One additional Area IV: Social/Behavioral Science Course <sup>1</sup>		3
<b>Credits</b>		<b>18</b>

<b>Semester 2</b>		
EDUC 4510	Data Literacy and Assessment	3
EDUC 4996	Topics	3
ENGL 416	Approaches to Literature (Spring Only)	3
SPED 4110	Low Incidence Disabilities in a Diverse Society (Spring Only)	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners (Spring Only)	3
<b>Credits</b>		<b>15</b>

<b>Fourth Year</b>		
<b>Semester 1</b>		
READ 4330	Content Area Literacy (Fall Only)	3
EDUC 4440	Teaching Language Arts at the Middle and High School Level (Fall Only)	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society (Fall Only)	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity	3
Choose one from the following:		3
ENGL 412	Writing in the Workplace	
ENGL 431	Technical Editing	
ENGL 449	Advanced Study in Writing	
ENGL 479	Computers and Writing	
400-Level ENGL Literature Elective Course <sup>2</sup>		3
<b>Credits</b>		<b>18</b>

<b>Semester 2</b>		
SPED 4820	Student Teaching SPED	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>132</b>

<sup>1</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses

<sup>2</sup> 400 - level elective courses:

- ENGL 405 Chaucer
- ENGL 442 Modern and Contemporary American Poetry
- ENGL 458 Latino/a Literature and Culture
- ENGL 469 Advanced Study in American Literature
- ENGL 481 Women's Literature

## Teaching Field: Math

<b>First Year</b>		
<b>Semester 1</b>		
ENGL 1110G	Composition I	4
CEPY 1120G	Human Growth and Behavior	3
MATH 1511G	Calculus and Analytic Geometry I	4
Choose one from the following:		3
ECON 1110G	Survey of Economics	
ECON 2110G	Macroeconomic Principles	
ECON 2120G	Principles of Microeconomics	
Choose one from the following:		3
ARTH 1115G	Orientation in Art	
DANC 1110G	Dance Appreciation	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
<b>Credits</b>		<b>17</b>

<b>Semester 2</b>		
COMM 1115G	Introduction to Communication	3
HIST 1110G or HIST 1120G	United States History I or United States History II	3
MATH 1521G	Calculus and Analytic Geometry II	4
EDUC 1185	Introduction to Secondary Education and Youth	3
C S 111	Computer Science Principles	4
<b>Credits</b>		<b>17</b>

<b>Second Year</b>		
<b>Semester 1</b>		
ENGL 2221G	Writing in the Humanities and Social Science	3
E T 182	Introduction to Digital Logic	0,2
SPED 3105	Introduction to Special Education in a Diverse Society	3
Choose from one of the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
Area IV: ANTH, GEOG, POLS or SOCI "G" Course		3
<b>Credits</b>		<b>13-15</b>

<b>Semester 2</b>		
EDLT 3110	Integrating Technology with Teaching	3
MATH 1531	Introduction to Higher Mathematics	3
SPED 4220	Classroom Management for Diverse Learners	3
LIBR 311V	Information Literacy	3
Choose from one of the following:		4
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
<b>Credits</b>		<b>16</b>

<b>Third Year</b>		
<b>Semester 1</b>		
READ 3110	Instruction for Special Reading Needs	3
MATH 2415	Introduction to Linear Algebra	3
MATH 2530G	Calculus III	3
SPED 4120	High Incidence Disabilities in a Diverse Society	3
STAT 371 or A ST 311	Statistics for Engineers and Scientists or Statistical Applications	3
300-Level MATH Elective Course		3
<b>Credits</b>		<b>18</b>

<b>Semester 2</b>		
BLED 3120	Sheltered English Instruction for the ESL Classroom	3
EDUC 4510	Data Literacy and Assessment	3
EDUC 4996	Topics	3
SPED 4110	Low Incidence Disabilities in a Diverse Society	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
300-Level MATH Elective Course		3
<b>Credits</b>		<b>18</b>

<b>Fourth Year</b>		
<b>Semester 1</b>		
READ 4330	Content Area Literacy	3
EDUC 4420	Teaching Mathematics at the Middle and High School Level	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity	3
HIST 1150G or HIST 1160G	Western Civilization I or Western Civilization II	3
300-Level MATH OR A ST Elective Course		3
<b>Credits</b>		<b>18</b>

<b>Semester 2</b>		
SPED 4820	Student Teaching SPED	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>129-131</b>

## Teaching Field: Science

<b>First Year</b>		
<b>Semester 1</b>		
ENGL 1110G	Composition I	4
CEPY 1120G	Human Growth and Behavior	3
MATH 1220G or MATH 1250G	College Algebra or Trigonometry & Pre-Calculus	3-4

Choose one from the following:		3
ARTH 1115G	Orientation in Art	
ARTS 1145G	Visual Concepts	
DANC 1110G	Dance Appreciation	
MUSC 1110G	Music Appreciation: Jazz	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
Area V: Any HIST "G" Course		3

<b>Semester 2</b>		<b>Credits</b>	<b>16-17</b>
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory		4
COMM 1115G	Introduction to Communication		3
MATH 1430G or MATH 1511G	Applications of Calculus I or Calculus and Analytic Geometry I		3-4
EDUC 1185	Introduction to Secondary Education and Youth		3
CHEM 1215G or CHEM 1226	General Chemistry I Lecture and Laboratory for STEM Majors or General Chemistry II Lecture and Laboratory for CHEM Majors		4
<b>Credits</b>			<b>17-18</b>

<b>Second Year</b>		
<b>Semester 1</b>		
ENGL 2221G	Writing in the Humanities and Social Science	3
CHEM 1225G or CHEM 1226	General Chemistry II Lecture and Laboratory for STEM Majors or General Chemistry II Lecture and Laboratory for CHEM Majors	4
BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	4
SPED 3105	Introduction to Special Education in a Diverse Society	3
LIBR 311V	Information Literacy	3
Area IV: ANTH or SOCI "G" Course		3
<b>Credits</b>		<b>20</b>

<b>Semester 2</b>		
EDLT 3110	Integrating Technology with Teaching	3
Choose from one of the following:		4
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 2110 & 2110L	Mechanics and Experimental Mechanics	
PHYS 1310G & PHYS 1310L	Calculus -Based Physics I and Calculus -Based Physics I Lab	
PHYS 2230L & 2230L	Laboratory to General Physics for Life Science I and Laboratory to General Physics for Life Science I	
BIOL 301	Principles of Ecology	3
SPED 4220	Classroom Management for Diverse Learners	3
READ 3110	Instruction for Special Reading Needs	3
<b>Credits</b>		<b>16</b>

<b>Third Year</b>		
<b>Semester 1</b>		
BIOL 305	Principles of Genetics	3
SPED 4120	High Incidence Disabilities in a Diverse Society	3

BIOL 467	Evolution	3
Choose from one of the following:		4
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
PHYS 2140 & 2140L	Electricity and Magnetism and Electricity & Magnetism Laboratory	
PHYS 1320G & PHYS 1320L	Calculus -Based Physics II and Calculus -Based Physics II Lab	
PHYS 2240G & PHYS 2240L	General Physics for Life Science II and Laboratory to General Physics for Life Science II	
GEOG 1120G or GEOG 1130G	World Regional Geography or Human Geography	3
<b>Credits</b>		<b>16</b>
<b>Semester 2</b>		
BLED 3120	Sheltered English Instruction for the ESL Classroom	3
EDUC 4510	Data Literacy and Assessment	3
EDUC 4996	Topics	3
SPED 4110	Low Incidence Disabilities in a Diverse Society	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
One additional Area V/VI: Humanities or Creative and Fine Arts Course		3
<b>Credits</b>		<b>18</b>
<b>Fourth Year</b>		
<b>Semester 1</b>		
READ 4330	Content Area Literacy	3
EDUC 4410	Teaching Science at the Middle and High School Level	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity	3
300-Level BIOL Plant Science Elective Course		3-4
<b>Credits</b>		<b>15-16</b>
<b>Semester 2</b>		
SPED 4820	Student Teaching SPED	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>130-133</b>

## Teaching Field: Social Studies

<b>First Year</b>		
<b>Semester 1</b>		
ENGL 1110G	Composition I <sup>1</sup>	4
CEPY 1120G	Human Growth and Behavior	3
MATH 1220G or MATH 1250G	College Algebra <sup>1</sup> or Trigonometry & Pre-Calculus	3-4
HIST 1110G	United States History I	3
Area VI: Creative and Fine Arts Course <sup>2</sup>		3
<b>Credits</b>		<b>16-17</b>
<b>Semester 2</b>		
COMM 1115G	Introduction to Communication	3
HIST 1130G or HIST 1140G	World History I or World History II	3
ECON 2120G or ECON 2110G	Principles of Microeconomics or Macroeconomic Principles	3

EDUC 1185	Introduction to Secondary Education and Youth	3
Area III: Laboratory Science Course <sup>2</sup>		4
<b>Credits</b>		<b>16</b>
<b>Second Year</b>		
<b>Semester 1</b>		
ENGL 2221G	Writing in the Humanities and Social Science <sup>1</sup>	3
POLS 1110G or POLS 1120G	Introduction to Political Science or American National Government	3
SPED 3105	Introduction to Special Education in a Diverse Society	3
HIST 1150G or HIST 1160G	Western Civilization I or Western Civilization II	3
LIBR 311V	Information Literacy	3
ECON 2110G or ECON 2120G	Macroeconomic Principles or Principles of Microeconomics	3
<b>Credits</b>		<b>18</b>
<b>Semester 2</b>		
EDLT 3110	Integrating Technology with Teaching	3
HIST 2245G or HIST 2246G	Islamic Civilization to 1500 or Islamic Civilizations since 1800	3
SPED 4220	Classroom Management for Diverse Learners	3
HIST 368	Teaching History	3
GEOG 1120G	World Regional Geography	3
HIST 1120G	United States History II	3
<b>Credits</b>		<b>18</b>
<b>Third Year</b>		
<b>Semester 1</b>		
READ 3110	Instruction for Special Reading Needs	3
SPED 4120	High Incidence Disabilities in a Diverse Society	3
GEOG 2130	Map Use and Analysis	3
MATH 1130G or MATH 1430G	Survey of Mathematics <sup>1</sup> or Applications of Calculus I	3
EDUC 4996	Topics	3
300-Level HIST Elective Course		3
<b>Credits</b>		<b>18</b>
<b>Semester 2</b>		
BLED 3120	Sheltered English Instruction for the ESL Classroom	3
EDUC 4510	Data Literacy and Assessment	3
SPED 4110	Low Incidence Disabilities in a Diverse Society	3
SPED 4210	Introduction to Assessment of Diverse Exceptional Learners	3
HIST 2250G or HIST 2251G	East Asia to 1600 or East Asia since 1600	3
300-Level POLS, ECON, GEOG or HIST Elective Course		3
<b>Credits</b>		<b>18</b>
<b>Fourth Year</b>		
<b>Semester 1</b>		
READ 4330	Content Area Literacy	3
EDUC 4430	Teaching Social Studies at the Middle and High School Level	3
SPED 4150	Secondary Curriculum, Methods, and Materials for Special Education in a Diverse Society	3
SPED 4811	Practicum in Education, Equity and Cultural Diversity	3
HIST 386	New Mexico History	3



Area III: Laboratory Science Course <sup>2</sup>		4
<b>Credits</b>		<b>19</b>
<b>Semester 2</b>		
SPED 4820	Student Teaching SPED	9
SPED 4840	Special Education/ Secondary Student Teaching Seminar	3
<b>Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>135-136</b>

<sup>1</sup> These courses may have prerequisites and/or co-requisites, and it is the students responsibility for checking and fulfilling all those requirements.

<sup>2</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.