

# ELEMENTARY EDUCATION (MATH K-8) - BACHELOR OF SCIENCE IN EDUCATION

General education and professional education are similar for all degree programs in the College of Health, Education, and Social Transformation. The B.S. Elementary Education degree embeds the Match Teaching Field/Concentration and the Bilingual/TESL endorsements. **Note: For certification in the State of New Mexico the Bilingual/TESL endorsements require 6 credits of a language other than English.** Additional teaching fields/concentrations are available in Social Studies, Science and Language Arts but will require credits beyond 120. Students should meet with the College's Educational Support and Resource Center to discuss additional teaching fields/concentrations requirements.

All students wishing to complete a degree in Elementary Education must apply to the Teacher Education Program. Additional information on the application process can be obtained from the College of Education Educational Support and Resource Center or on the departmental website (<https://tpal.nmsu.edu/degree-programs/undergraduate-programs/ug-ece.html>). A 2.75 minimum GPA is required for admission to the Teacher Education Program, and a 2.75 minimum GPA must be maintained for graduation. *Students must earn a "C-" or better in all education, TEP prerequisite, endorsement, and teaching field courses.*

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 136 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits but may be needed 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>5</sup>	4
<i>English Composition - Level 2</i>		
ENGL 2221G or ENGL 2130G	Writing in the Humanities and Social Science <sup>5</sup> Advanced Composition	3
<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 2134G	Fundamentals of Elementary Math II <sup>1, 5</sup>	3
<i>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</i>		
Choose two different subjects with labs for a total of 8 credits		8
ASTR 1120G	The Planets Lecture & Laboratory	
ASTR 1115G	Introduction to Astronomy Lecture & Laboratory	
BIOL 1120G & BIOL 1120L	Human Biology and Human Biology Laboratory	
BIOL 1190G	Contemporary Problems in Biology	

BIOL 2610G & BIOL 2610L	Principles of Biology: Biodiversity, Ecology, and Evolution and Principles of Biology: Biodiversity, Ecology, and Evolution Laboratory	
BIOL 2110G & BIOL 2110L	Principles of Biology: Cellular and Molecular Biology and Principles of Biology: Cellular and Molecular Biology Laboratory	
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors)	
CHEM 1215G	General Chemistry I Lecture and Laboratory for STEM Majors	
CHEM 1225G	General Chemistry II Lecture and Laboratory for STEM Majors	
ENVS 1110G	Environmental Science I	
GEOL 1110G	Physical Geology	
GEOG 1110G	Physical Geography	
PHYS 1115G	Survey of Physics with Lab	
PHYS 1125G	Physics of Music	
PHYS 1230G & PHYS 1230L	Algebra-Based Physics I and Algebra-Based Physics I Lab	
PHYS 1240G & PHYS 1240L	Algebra-Based Physics II and Algebra-Based Physics II Lab	
<b>Area IV: Social/Behavioral Sciences</b>		
Choose one from the following:		3
GEOG 1120G	World Regional Geography	
GEOG 1130G	Human Geography	
POLS 1110G	Introduction to Political Science	
POLS 1120G	American National Government	
<i>Area V: Humanities</i>		
HIST 1130G or HIST 1140G	World History I World History II	3
<i>Area VI: Creative and Fine Arts</i>		
Choose one from the following:		3
ARTH 1115G	Orientation in Art	
DANC 1110G	Dance Appreciation	
MUSC 1110G	Music Appreciation: Jazz	
MUSC 1130G	Music Appreciation: Western Music	
THEA 1110G	Introduction to Theatre	
<i>General Education Elective</i>		
HIST 1110G or HIST 1120G	United States History I United States History II	3
<b>Viewing a Wider World <sup>4</sup></b>		<b>6</b>
Must be from two different colleges		
<b>Departmental/College Requirements</b>		
CEPY 1120G	Human Growth and Behavior	3
CEPY 2110	Learning in the Classroom <sup>5</sup>	3
EDLT 3110	Integrating Technology with Teaching <sup>5</sup>	3
BLED 1110	Introduction n Bilingual Education/ESL <sup>2, 5</sup>	3
EDUC 3120	Multicultural Education <sup>5, 6</sup>	3
SPED 3105	Introduction to Special Education in a Diverse Society <sup>5</sup>	3
LING 2110G	Introduction to the Study of Language and Linguistics	3
<i>Student Teaching Courses</i>		
EDUC 4810	Elementary Student Teaching <sup>7</sup>	9
EDUC 4811	Elementary Student Teaching Seminar <sup>7</sup>	3
<i>Elementary Education Teaching Methods Courses</i>		
<i>Block A</i>		

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BLED 3130	Language, Literacy, and Culture in the ESL Classrooms <sup>2,7</sup>	3
EDUC 4310	Methods of Teaching Elementary School Science <sup>7</sup>	3
EDUC 4320	Methods of Teaching Elementary School Mathematics <sup>1,7</sup>	3
READ 4310	Elementary School Literacy I <sup>7</sup>	3
SPED 3120	Elementary Curriculum, Methods, and Materials for Special Education in a Diverse Society <sup>7</sup>	3
<b>Block B</b>		
BLED 3120	Sheltered English Instruction for the ESL Classroom <sup>2,7</sup>	3
BLED 4110	Second Language Acquisition <sup>2,7</sup>	3
EDUC 4330	Methods of Teaching Elementary School Social Studies <sup>7</sup>	3
READ 4320	Elementary School Literacy II <sup>7</sup>	3
READ 3110	Instruction for Special Reading Needs <sup>7</sup>	3
<b>Bilingual/TESL Education Endorsement Courses</b>		
BLED 2110	Bilingual Methods <sup>2,5</sup>	3
SPED 3110	Bilingual/Multicultural Special Education <sup>2,7</sup>	3
LING 302V	Language and Society <sup>2</sup>	3
BLED 3140	Issues in Schooling for Bilingual Learners <sup>2</sup>	3
<b>Concentration/Teaching Field Courses: Math K-8</b>		
MATH 1215	Intermediate Algebra <sup>1</sup>	3
MATH 1220G	College Algebra <sup>1</sup>	3
MATH 1430G	Applications of Calculus I <sup>1</sup>	3
MATH 1511G	Calculus and Analytic Geometry I <sup>1</sup>	4
MATH 1350G	Introduction to Statistics <sup>1</sup>	3
<b>Non-Departmental Requirements</b>		
MATH 1134	Fundamentals of Elementary Mathematics I <sup>1</sup>	3
ENGL 363	Literature for Children and Young Adults	3
<b>Second Language: <sup>8</sup></b>		
for certification in the State of New Mexico, the Bilingual endorsement requires six credits taught in a language other than English, and for the TESL endorsement, six credits of a language other than English is required		
<b>Electives, to bring the total credits to 136</b>		<b>0</b>
<b>Total Credits</b>		<b>136</b>

<sup>1</sup> Mathematics Concentration/Teaching Field Course

<sup>2</sup> Bilingual/TESOL Endorsement course

<sup>3</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>4</sup> See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.

<sup>5</sup> Courses are pre/corequisites for Teacher Education Program (TEP)

<sup>6</sup> EDUC 3120 Multicultural Education must be completed prior to TEP portfolio submission.

<sup>7</sup> Courses require admission to the TEP

<sup>8</sup> For certification in the State of New Mexico the Bilingual/TESL endorsements require 6 credits of a language other than English.