

ELEMENTARY TEACHING MAJOR

Students must also complete the Undergraduate Registration Requirement (<https://catalogs.northwestern.edu/undergraduate/requirements-policies/undergraduate-registration-requirement/>) and the degree requirements of their home school.

Foundational Disciplines (10 units)

- 2 natural sciences courses¹
- 2 empirical and deductive reasoning courses²
- 2 historical studies courses³
- 2 ethical and evaluative thinking courses
- 2 literature and arts courses⁴

Selected courses from Weinberg College and professional schools across the University fulfill distribution requirements. A meeting with the student's academic advisor is required prior to registering for distribution requirement courses.

Overlay Notes:

¹ Please speak to academic advisor before choosing natural sciences courses to make sure elementary teaching licensure requirement is met. Please visit the Elementary Teaching Extension Courses guide (https://docs.google.com/spreadsheets/d/1L77FcQVf0fG-K_8eXMN2i89oww4CGLTLW9pbn_8Dv8A/edit/#gid=0) for more information. Note that the two of these science classes that count as Natural Science foundational disciplines requirements must be chosen from the science cluster list below. You must take 1 course from each of the following groups: Physical Science, Life Science and Earth & Planetary Science.

² Please speak to your academic advisor before choosing empirical and deductive reasoning courses to make sure elementary teaching licensure requirement is met. Please visit the Elementary Teaching Extension Courses guide (https://docs.google.com/spreadsheets/d/1L77FcQVf0fG-K_8eXMN2i89oww4CGLTLW9pbn_8Dv8A/edit/#gid=0) for more information. Note that one of these classes that count as Empirical and Deductive Reasoning foundational discipline requirements must be a math or statistics course and must be chosen from the Math/Statistics cluster list below.

³ One historical studies foundational discipline must be a US history class.

⁴ One literature and arts foundational discipline must be a literature course.

SESP Core (8 units)

Course	Title
SESP 200-0	Understanding Knowledge
SESP 201-0	Human Development: Childhood and Adolescence ³
SESP 210-0	Introduction to Statistics and Research Methodology
SESP 272-0	Field Research Methods
TEACH_ED 387-0	Student Teaching in Multilingual and Multicultural Contexts: Elementary

³ SESP 201 has a few alternatives. SESP 351-0 Special Topics (Child and Adolescent Development) and PSYCH 244-0 Developmental Psychology are both substitutions, however please note that PSYCH 110-0 Introduction to Psychology is a prerequisite for PSYCH 244-0.

Foundations Courses (6 units)

Course	Title
TEACH_ED 302-0	Social, Cultural, and Linguistic Contexts of Education
TEACH_ED 310-0	Foundations of Learning in a New Language
TEACH_ED 314-0	Mathematics for Elementary Teachers
TEACH_ED 327-0	Educating Exceptional Children
TEACH_ED 322-0	Linguistics Informed Approaches to Literacy
TEACH_ED 377-0	Theory & Practice of Teaching in Multiling. & Multicult. Contexts: Elementary

Concentration Cluster Courses

Please visit the Elementary Teaching Extension Courses guide (https://docs.google.com/spreadsheets/d/1L77FcQVf0fG-K_8eXMN2i89oww4CGLTLW9pbn_8Dv8A/edit/#gid=0) for more information. Students will be notified by their advisor if there are any changes to this list.

All Elementary Teaching students take the following as a part of their cluster requirements:

Sciences (1 unit)*

One from the Physical Science cluster, one from the Life Science cluster, and one from the Earth and Space Science cluster.

Some courses will fulfill more than one cluster, but credit will only be applied once to one cluster. Students still need to complete 3 units, one in each cluster.

Please note that two of these science classes will count as Natural Science foundational disciplines requirements when chosen from this list. You must take 1 course from each of the following groups: Physical Science, Life Science and Earth & Planetary Science.

*2 units met by foundational disciplines by the Foundational Disciplines overlay.

Course	Title
Physical Science	
CHEM 131-0	Fundamentals of Chemistry I
CHEM 132-0	Fundamentals of Chemistry II
CHEM 201-0	Chemistry of Nature and Culture
EARTH 101-0	Earth Science for the 21st Century
EARTH 106-0	The Ocean, the Atmosphere & Our Climate
EARTH 180-0	Fantasy Worlds – How to Build Your Own Planet
EARTH 214-0	Physical Earth Science
EARTH 203-0	Earth System History
PHYSICS 103-0	Ideas of Physics
Any level Physics course; please speak with your advisor.	
Life Science	
BIOL_SCI 103-0	Diversity of Life
BIOL_SCI 109-0	The Nature of Plants
BIOL_SCI 150-0	Human Genetics

EARTH 101-0	Earth Science for the 21st Century
EARTH 106-0	The Ocean, the Atmosphere & Our Climate
EARTH 203-0	Earth System History
ENVR_SCI 201-0	
EARTH 210-0	Earth Systems Science and Climate Change
TEACH_ED 333-0	Science Content for Teachers
Any level Biological Sciences course; please speak with your advisor.	
Earth and Planetary Science	
ASTRON 101-0	Modern Cosmology
ASTRON 102-0	Milky Way Galaxy
ASTRON 103-0	Solar System
ASTRON 120-0	Highlights of Astronomy
EARTH 101-0	Earth Science for the 21st Century
EARTH 106-0	The Ocean, the Atmosphere & Our Climate
EARTH 180-0	Fantasy Worlds – How to Build Your Own Planet
EARTH 214-0	Physical Earth Science
EARTH 203-0	Earth System History
TEACH_ED 333-0	Science Content for Teachers

Math and Statistics Overlay

Please note that this unit is fulfilled by one of the Empirical and Deductive Reasoning (FD-EDR) foundational discipline requirements when the class is chosen from the following list:

Course	Title
MATH 100-0	Quantitative Reasoning
MATH 202-0	Finite Mathematics
Any level Math course; please speak with your advisor.	
STAT 210-0	Introduction to Probability and Statistics
TEACH_ED 314-0	Mathematics for Elementary Teachers
TEACH_ED 318-0	Topics in Teaching Math: Geometry
TEACH_ED 319-0	Topics in Teaching Math: Statistics and Probability
TEACH_ED 373-0	Topics in High School Math

Social Sciences (2 units)

Course	Title
TEACH_ED 334-0	Social Science Content for Teachers

The other unit can be fulfilled with any of the following:

Course	Title
POLI_SCI 220-0	American Government and Politics
or POLI_SCI 220-CN	American Government and Politics
POLI_SCI 230-0	Introduction to Law in the Political Arena
ECON 201-0	Introduction to Macroeconomics
ECON 202-0	Introduction to Microeconomics

Methods (4 units)

Course	Title
TEACH_ED 311-0	Elementary Science Methods and Content
TEACH_ED 315-0	Elementary Social Studies Methods and Content
TEACH_ED 323-0	Elementary Literacy Methods & Content
TEACH_ED 326-0	Elementary Math: Methods and Content

Equity and Education (3 Units)

Course	Title
TEACH_ED 301-0	Schooling in America
TEACH_ED 309-0	Designing and Supporting Discourse-Rich Environments for Learning
TEACH_ED 320-0	Designing for Linguistically and Culturally Sustaining Instruction
TEACH_ED 324-0	Critical Issues in Literacy
TEACH_ED 328-0	Dynamics of Middle School Curriculum
TEACH_ED 329-0	Cognition and Culture in Teaching and Learning
TEACH_ED 332-0	Assessment of Linguistically Diverse Students
LOC/LRN_SCI 214-0	Culture and Cognition
or LOC 214-BR	Culture and Cognition: SESP Leadership Institute
SESP 260-0	Community Based Research Methodologies: Educational Justice
SESP 320-0	Race and Education
SESP 195-1	Civic Engagement 1- Participatory Policymaking
SESP 195-2	Civic Engagement 2: Participatory Budgeting
SESP 195-3	Civic Engagement 3: Organizing, Gathering & Policy implementation
SESP 325-0	Race, Adolescence, and School Discipline
SESP 323-0	Holocaust Memory, Memorial and Museums
SESP 360-0	Magic Monsters & the Holocaust
LRN_SCI 224-0	Holocaust Education Design
LRN_SCI 301-0	Design of Learning Environments
HDC 305-0	Identity and Motivation
SOC_POL 339-0	Impacts of Education Policy on the Classroom

Electives (8 units)

Additional units of elective coursework must be taken to complete the 42-unit degree requirement. Students are encouraged to discuss their elective plans with the teacher certification manager.

Middle Grade Endorsement (optional)

- 7 courses in competency areas:
 - Science
 - English
 - Spanish
 - Math
 - Social Science
- 1 Middle Grades Methods and Techniques course:

Course	Title
TEACH_ED 366-0	Middle Grades Methods & Techniques of Teaching: English
TEACH_ED 367-0	Middle Grades Methods & Techniques of Teaching: Mathematics
TEACH_ED 368-0	Middle Grades Methods & Techniques of Teaching: Science
TEACH_ED 369-0	Middle Grades Methods & Techniques of Teaching: Social Sciences

English as a Second Language (ESL) and Bilingual Education Endorsements (optional)

- Most requirements for these endorsements are met through other course work in this degree. To complete the endorsements students are encouraged to take the following courses:

Course	Title
TEACH_ED 320-0	Designing for Linguistically and Culturally Sustaining Instruction
or TEACH_ED 309-0	Designing and Supporting Discourse-Rich Environments for Learning
TEACH_ED 332-0	Assessment of Linguistically Diverse Students