

**Junior High/Middle School Certification  
Elementary Education Undergraduate Students**

An elementary major may add certification to teach in junior high and/or middle school by completing course work in additional professional education courses and in one of the following content areas: science, social studies, language arts, or mathematics.

**Professional Education Courses:**

- EDUC P255 Educational Psychology for Middle/Secondary Teachers
- EDUC M201 Laboratory-Field Experience for EDUC P255
- EDUC S486 Principles of Junior High/Middle School Education
- EDUC M301 Laboratory-Field Experience for EDUC S486
- EDUC M301 Extra Field Experience in their Content Area
- EDUC M470 Practicum: Student Teaching in Junior High/Middle Schools

The suggested sequence for completing the professional education courses is:

**Fall Cohort Groups**

Semester	Elementary Education Block	Middle School Endorsement
Fall	Ed Psych Block	P255/M201
Spring	Gen Methods Block	S486/M301
Fall	Lang Arts/Reading/Social Studies Block	Language Arts and Social Studies endorsements complete 1 extra credit hour (M301)
Spring	Math/Science Block	Math and Science endorsement complete 1 extra credit hour (M301)
Fall	Student Teaching	M470

**Spring Cohort Groups**

Semester	Elementary Education Block	Middle School Endorsement
Spring	Ed Psych Block	
Fall	Gen Methods Block	P255/M201
Spring	Lang Arts/Reading/Social Studies Block	S486/M301 and Language Arts and Social Studies endorsements complete 1 extra credit hour (M301)
Fall	Math/Science Block	Math and Science endorsement complete 1 extra credit hour (M301)
Spring	Student Teaching	M470

## Content Area Requirements

### Science (25-27 credits, 14-15 beyond gen. ed. requirements - see notes)

In order to be able to teach science to early adolescents in middle or junior high schools (grades 5-9) the candidate must complete the following content courses:

#### Introductory Biology

BIOL L100 Human and the Biological World. 5 cr.

#### Introductory Earth Science (See note 1)

Choose one: GEOL G100 Earth Science: Geologic Concepts (1) 5 cr.

OR

GEOG G107 Physical Systems of the Environment 5 cr

#### Introductory Chemistry (2)

Both of these CHEM C101 Elementary Chemistry I 3 cr.

CHEM C121 Elementary Chemistry Lab. I 2 cr.

#### Introductory Physics (2)

PHYS P100 Physics in the Modern World 5 cr.

#### Other Science Courses

Choose one: AST A100 The Solar System 3 cr.

AST A105 Stellar Astronomy 3 cr.

Choose one: BIOL L303 Field Biology 3 cr.

BIOL L304 Marine Biology 3 cr.

BIOL L350 Environmental Biology 3 cr.

GEOG G315 Environmental Conservation 3 cr.

GEOG G304 Meteorology and Physical Climatology 3 cr.

**TOTAL 25-27 cr.**

#### NOTES:

(1) Either of these options may be petitioned to count in place of GEOG G107.

(2) CHEM C101/121 and PHYS P100 together may be petitioned to count in place of CHEM C104.

**Social Studies (30 credits, 15 beyond gen. ed. requirements):**

In order to be able to teach social studies to early adolescents in middle or junior high schools (grades 5-9) the candidate must complete the following content courses:

**History (18 credit hours)**

HIST H101 The World in the Twentieth Century

HIST H105 American History: General Course I

HIST H106 American History: General Course II

HIST H103 Europe: Renaissance to Napoleon

HIST G100 Introduction to Asian History

One of the following

HIST A301 Colonial and Revolutionary America I

HIST A302 Colonial and Revolutionary America II

HIST A303 United States 1789-1865 I

HIST A304 United States 1789-1865 II

**Geography (6 credit hours)**

GEOG G201 World Regional Geography

GEOG G110 Introduction to Human Geography

**Political Science (3 credit hours)**

POL Y103 Introduction to American Politics

**Economics (3 credit hours)**

ECON E100 Current Economic Topics

**Language Arts (30 credits, 15 beyond gen. ed. requirements):**

In order to be able to teach language arts to early adolescents in middle or junior high schools (grades 5-9) the candidate must complete the following content courses:

**Writing (9 credit hours)**

W131 Elementary Composition I

W300 Writing for Teachers

W203 Creative Writing

**Literature (12 credit hours)**

**World Focus (choose one)**

L101 Western World Masterpieces I

L102 Western World Masterpieces II

**American Focus (choose one):**

L351 American Literature to 1865

L352 American Literature, 1865-1914

L354 American Literature Since 1914

**Children's Literature**

E449 Tradebooks

**One Additional Literature Course**

Student's Choice (advisor must approve)

**Specific Methods (3 credit hours)**

M464 Methods of Teaching High School Reading

**Speech (3 credit hours)**

S121 Public Speaking

**One of the following (3 credit hours)**

X490 Literature for Adolescents

T120 Acting I

S122 Interpersonal Communications Course

**Mathematics (24 - 26 credits, 15 - 17 beyond gen. ed. requirements):**

In order to be able to teach mathematics to early adolescents in middle or junior high schools (grades 5-9) the candidate must complete the following content courses:

MATH T101 Mathematics for Elementary Teachers I

MATH T102 Mathematics for Elementary Teachers II

MATH T103 Mathematics for Elementary Teachers III

MATH M110 Excursions in Mathematics

MATH M118 Finite Mathematics

Either MATH M122 College Algebra or MATH M125 Precalculus Mathematics

Either MATH M119 Brief Survey of Calculus or MATH M215 Analytic Geometry and Calculus

MATH K300 Statistical Techniques