

IOWA STATE UNIVERSITY
College of Human Sciences
Department of Curriculum & Instruction

Elementary Education and Secondary Education Majors also seeking K-8 or 5-12 certification in English/Language Arts, History, Mathematics, Science, and Social Studies

(All C I courses require a minimum grade of "C." Other course for the endorsement require a minimum grade of "C-.")

Middle School Endorsement

Upon completion of this program of courses, the Department will recommend a certified elementary or secondary teacher for the 5-8 Middle School Endorsement - #182. This endorsement will allow the holder to teach all subjects in grades five through eight with the exception of art, industrial arts, music, reading, physical education, and special education.

I. COURSE WORK IN THE GROWTH AND DEVELOPMENT OF THE MIDDLE SCHOOL AGE CHILD, SPECIFICALLY ADDRESSING THE EMOTIONAL, PHYSICAL AND MENTAL CHARACTERISTICS AND NEEDS OF MIDDLE SCHOOL AGE CHILDREN.

C I 401 - Middle School Growth & Development - 3 credits.

II. COURSE WORK IN MIDDLE SCHOOL CURRICULUM DESIGN AND INSTRUCTION, INCLUDING, BUT NOT LIMITED TO, INSTRUCTION IN INTERDISCIPLINARY TEAMING, PEDAGOGY, AND METHODS.

C I 402 - Middle School Curriculum Design and Instruction - 3 credits.

III. COURSE WORK IN THE SOCIAL STUDIES TO INCLUDE COURSE WORK IN AMERICAN HISTORY, WORLD HISTORY, AND GEOGRAPHY.

- 1. American History** (3 credits) - Select one course from Hist 221, 222, 307, 351, 352, 386, 462, 463
- 2. World History** (3 credits) - Select one course from Hist 201, 202, 305
- 3. Geography** (3 credits) - Select a course with a Geography prefix, or IntSt 235.

IV. SIX HOURS IN MATHEMATICS TO INCLUDE COURSE WORK IN ALGEBRA.

- 1. Algebra** (3 credits) - Select one course from Math 140, 150, 151, 165, 166, 181
- 2. Additional Math Requirement** (3 credits) - Select one course from Math 150, 151, 160, 165, 166, 181, **195, 196, 297**; C I 509

V. NINE HOURS IN SCIENCE TO INCLUDE COURSE WORK IN LIFE SCIENCE AND PHYSICAL SCIENCE.

- 1. Life Science** (3 credits) - Select one course from Biol 101, 155, 173, 211, 212, 255, 256
- 2. Physical Science** (3 credits) - Select one course from Astro 120 or 150; Phys 101, 106, 111, 112, 198, 221, 222; Geol 100, 101, 102
- 3. Select three additional semester hours in Science** (not FSHN or Hort).

VI. NINE HOURS IN LANGUAGE ARTS TO INCLUDE COURSE WORK IN COMPOSITION, SPEECH, AND GRAMMAR.

- 1. Composition** (3 credits) - Select one course from Engl 250, 304, 305, 306, 307, 350
- 2. Speech** (3 credits) - Select one course from Sp Cm 212 or 313; Thtr 358
- 3. Applied English Grammar** (3 credits) - Select one course from Engl 219, 220, 419, 511