AREAS OF CONCENTRATION IN ELEMENTARY AND EARLY CHILDHOOD EDUCATION

An area of concentration is optional for elementary education, dual certification majors, and for early childhood education majors.

Each student is encouraged to select an area of concentration in which he-she takes 18 semester hours.

The selection of courses for the area of concentration is subject to advisement by the department and approval by the elementary curriculum advisor.

The area of concentration has no significance for teacher certification.
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ART
(18 credits)

To obtain the requirements for the Art concentration, please contact the department chairperson.
BIOLOGY
(19 credits)

Required: (13 credits)

50.114 Concepts in Biology I  - 4 credits
50.115 Concepts in Biology II  - 4 credits
50.481 Senior Biology Seminar  - 1 credit
50.242 Microbiology  - 4 credits

Electives: (6 credits) One course from each of the following two groups =
total of 2 courses.

Field Courses:
50.200 Dendrology  - 3 credits
50.252 Field Zoology  - 3 credits
50.253 Freshwater Biology  - 3 credits
50.263 Field Botany  - 3 credits
50.351 Ecology  - 3 credits
50.452 Limnology  - 3 credits
50.457 Entomology  - 3 credits
50.459 Ornithology  - 3 credits

Animal/Plant Groups:
50.211 Invertebrate Zoology  - 3 credits
50.212 Vertebrate Zoology  - 3 credits
50.222 Comparative Biology of Plants  - 3 credits
EARLY CHILDHOOD EDUCATION
(17-18 credits)

Required:

62.121 Introduction to Early Childhood Education
62.322 Seminar in Learning Experiences with Young Children
62.410 Methods & Materials in Early Childhood Education I
62.420 Methods & Materials in Early Childhood Education II

Electives:

20.384 Literature for Children
30.205 Children’s Art
35.204 Class Piano I (2 credits)
35.320 Music in the Elementary School
70.101 Introduction to the Exceptional Individual
72.152 Introduction to Communication Disorders
EARTH SCIENCE
(18 credits)

Required:

54.120 Physical Geology
54.110 Astronomy
51.255 Meteorology
51.259 Oceanography

Electives:

51.100 Environmental Geology
51.130 Historical Geology
51.121 Physical Geology Lab
51.131 Historical Geology Lab
51.261 Mineralogy
51.262 Petrology
51.320 Remote Sensing
51.360 Intro. to Paleontology
51.265 Geomorphology
51.369 Structural Geology
51.370 Hydrology
51.468 Stratigraphy and Sedimentation
51.470 Groundwater Hydrology
The Economics Department has decided to make the selection of courses the responsibility of the student. The student may select any economics course offerings as long as he/she meets the necessary prerequisites.
EDUCATION OF THE DEAF/HARD OF HEARING
(24 credits)

Required:

*70.101 Introduction to Exceptional Individuals
*72.200 Introduction to Audiology
*72.360 Clinical Observation
*74.153 Introduction to Sign Language
*74.201 History, Education, and Guidance of the Deaf/Hard of Hearing
*75.155 American Sign Language I
*75.226 American Sign Language II
*74.305 Introduction to Instructional Methods for the Deaf/Hard of Hearing
*74.461/561 Deaf/HH Technology-Based Observations/ Interactions Across the Country
*74.462/562 ASL & Signed English in Educational Settings

*Denotes required area of concentration course

74.469/569 Curricular Subjects for the Deaf/Hard of Hearing
(Optional-recommended for students planning to enter the M.S. Program in Education of the Deaf/HH)

NOTE: A minimum of **24 credits** required for the area of concentration.

Suggested Electives:

74.325 Practicum with the Deaf/HH at Camp HERO
75.254 The Deaf Culture
75.257 American Sign Language III
75.327 American Sign Language IV
ENGLISH
(18 credits)

Required:

20.203 Approaches to Literary Study
20.308 Advanced Expository Writing

Electives:

Two courses from:

20.226 European Lit. I
20.227 European Lit. II
20.236 American Lit. I
20.237 American Lit. II
20.246 British Lit. I
20.247 British Lit. II

One course from:

20.311 Structure of English
20.312 History of the English Language
20.411 Modern Linguistic Theory

One other 300- or 400-level English course
ELEMENTARY HEALTH AND PHYSICAL EDUCATION
(18 credits)

Required:

05.311 Materials and Methods of Elem. Phys. Ed.
05.320 Health and Safety on the Elem. School

Select 3 of the following:

05.321 First Aid and Safety
05.333 School Camping and Outdoor Education
05.380 Research Methods in Exercise Science
05.280 Current Issues in Health Promotion

Select 3 of the following:

05.112 Varsity Athletics I
05.149 or 50 Aquatics
05.222 Creative Dance
05.224 Fitness Dance
05.226 Jogging and Walking
05.228 Gymnastics
05.230 Weight Training and Fitness
05.231 Archery
05.232 Bowling
05.233 Badminton
05.234 Golf
05.236 Volleyball
05.239 Square Dancing
05.240 Fitness Slimnastics
05.241 Combative Sports (2 credits)
05.265 Basketball
05.270 Exercise and You
EXCEPTIONAL INDIVIDUALS
(18 credits)

Required:

70.101 Introduction to Exceptional Individuals

Electives (select 15 credits):

70.206 Introduction to Early Intervention
70.240 Foundations of Special Education
70.250 Behavior Intervention and Support
72.152 Introduction to Communicative Disorders
74.153 Introduction to Sign Language
74.201 History, Education, Guidance of Deaf/Hard of Hearing

* Other courses in the Department of Communication Disorders & Special Education may be taken if seats are available. Instructor approval is required.
FOREIGN LANGUAGE  
(18 credits)

Any course taken by the Elementary or Early Childhood Education majors may be used to fulfill requirements for the concentration.

It is recommended that a student in Elementary Education or Early Childhood Education who elects an area of competency in a foreign language schedule on course in Conversation, on in Civilization, and the Folklore courses. The elementary courses 101 and 102 may be included with the 18 credits of study.

Please be reminded that the “minor” requires 21 credits, and the “major” requires 36 credits.
GEOGRAPHY
(18 credits)

Required:

41.101 World Physical Geography
41.102 World Cultural Geography

Electives: Select four courses

41.105 Environmental Issues and Choices
41.125 Weather and Climate
41.200 Geography of U.S. – Canada
41.221 Economic Geography
41.242 Map Use and Analysis
HISTORY
(18 credits)

I. The academic requirements for a history concentration consist of 18 semester hours of history courses with at least six semester credits in 300- or 400- level courses.

II. Two courses, six semester hours, are required from any of the 100 level history courses. Suggested courses include 42.133 Ancient and Medieval Worlds, 42.112 Origins of the Modern World, and 42.113 The Modern World.

III. Two courses, six semester hours, are required from any of the 200- or 300- level history courses.

IV. One course, three semester hours, is required from any of the 300- or 400- level courses.

V. History 398, Research and Writing Skills, is a required course.

The program for the history concentration provides the students with the following features: at least one directed exercise independent historical research (History 42.398); a minimal background in those courses at the 100 level basic to and required of history majors; flexible in framing a minor pertinent to the primary academic are according to whatever guiding principle—ex. topic, geography; epoch—the faculty advisor and student select; and at least one course in addition to History 398 at an advance requirement level.
LANGUAGE ARTS
(18 credits)

Required:

62.371 Teaching of Reading in the Elementary School
62.373 Diagnostic and Inclusionary Practice
62.391 Teaching Language Arts in the Elementary School
62.420 Methods & Materials in the Elementary School II
62.497 Teaching Literature and Literacy in the Diverse Classroom

Electives:

20.111 Language and Social Interaction
20.153 Folklore
20.280 Poetry
20.384 Literature for Children
20.374 Short Story
MATHEMATICS
(18 credits)

Required:

53.201 Concept Math I - Theory
53.202 Concept Math II – Geometry and Statistics

Electives:

53.101 Mathematical Thinking
53.109 College Algebra
53.111 Finite Mathematics
53.112 Trigonometry
53.113 Pre-Calculus
53.118 Applied Matrix Algebra
53.123 Essentials of Calculus
53.125 Calculus I
53.126 Calculus II
53.141 Introduction to Statistics
53.231 College Geometry
53.303 Problem Solving for Teachers
53.305 Computer Applications in Secondary School Mathematics
56.110 Introduction to Computer Science
MUSIC

(18 credits)

Required:

35.101 Music Listening I
35.210 Theory I*
35.211 Theory II
35.320 Music in the Elementary School

Electives:

A. One course from the following:
   35.321 Music History Antiquity to 1750
   35.322 Music History 1750 to Present
   35.324 American Music
   35.325 Opera and Music Theater
   35.327 Survey of Popular Music

B. Three credits from the following applied course areas:
   35.213-216 Strings (1 credits each election)
   35.217 Organ (1 credit each election)
   35.240-244 Brass (1 credit each election)
   35.230 Voice (1 credit each election)
   35.235 Piano (1 credit each election)
   35.251-255 Woodwinds (1 credit each election)
   35.256 Percussion (1 credit each election)

   OR
   35.205 Class Piano II** (2 credits) and one semester of strings, percussion, brass, voice, piano, or woodwinds (1 credit)

*Permission of Theory instructor is required. Course 35.103 Fundamental Musicianship may be required as a prerequisite, depending on background.

**Depending upon student background, 35.204 Class Piano I may be recommended or 35.235 Piano (1 credit for two semesters) substituted.
PHILOSOPHY
(18 credits)

Required:

28.111 Introduction to Philosophy
28.270 Logic
28.297 Ethics
28.110 Critical Thinking

Electives:

Three elective courses must be selected. Choose one elective from either the:

Historical Sequence:
    28.321 Plato & Aristotle
    28.324 Descartes to Kant
    28.328 Existentialism
    28.329 20th Century Philosophy

or

A Systematic Course:
    (a 300 Level or above course)
PHYSICAL SCIENCE
(18 credits)

Required courses:
  Physical Science with Laboratory
  54.103 Principles of Physical Science

Chemistry
  52.101 Introductory Chemistry
  (or a chemistry course with a number higher than 52.101)

Astronomy
  54.110 Intro. to Astronomy

Recommended courses:

Geology
  51.120 Physical Geology
  51.121 Physical Geology Lab.

Meteorology- Weather
  51.255 Meteorology
  or
  41.125 Weather and Climate

Oceanography
  51.259 Oceanography

Other satisfactory courses:
  Any 51, 52, or 54 courses, with the exception of 54.101.
POLITICAL SCIENCE
(18 credits)

1. Option 1 (General):
   A. Required courses:
      101 Elements of Political Science
      120 United States Government
   B. One of the following comparative courses:
      360 Nations, States and Government
      366 Political Systems of Western Europe
      371 Political Systems- Africa
      376 Government and Politics of the Middle East
      464 Government and Politics of Ireland
   C. One of the following international courses
      181 Contemporary Issues in World Politics
      280 International Relations
      487 International Law and Organizations
   D. Two Free Electives (see restrictions of Free Electives)

2. Option 2 (The ideas and theories of political science):
   A. Required course:
      101 Elements of Political Science
   B. Three of the following theory courses:
      108 Contemporary Political Ideologies
      207 Ethics, Politics and Public Theory
      210 etc.
      303 Politics and the Arts
      405 The Development of Political Thought
      409 American Political Thought
      300 Research in Political Science
   C. Two free electives (see “Restrictions of Free Electives”)

3. Option 3  (American Government and Politics)
   A. Required course:
      120 United States Government
   B. Four of the following American courses:
      322 Political Violence
      326 Parties, Groups and Public Opinion
      336 Public Administration Theory
      437 Public Administration Applications
438 Public Personnel Administration
440 The President and Congress
446 Constitutional Law I
447 Constitutional Law II
448 The Judicial Process
452 State and Local Government and Politics
456 Public Policy
458 U.S. Foreign Policy
C. One Free Elective (see “Restrictions of Free Electives”)

4. Option 4 (Comparative Studies of Foreign Government)
   A. Required Courses:
      101 Elements of Political Science
      360 Nations, States and Governments
   B. Three of the following Comparative Courses:
      366 The Political Systems of Western Europe
      371 Political Systems-Africa
      372 Government and Politics in China and India
      376 Government and Politics in the Middle East
      464 Government and Politics of Ireland
   C. One Free Elective (see “Restrictions of Free Electives”)

5. Option 5 (International Affairs)
   A. Required courses:
      101 Elements of Political Science
      280 Intro. to International Relations
   B. Two of the following international courses:
      181 Contemporary Issues in World Politics
      458 U.S. Foreign Policy
      487 International Law and Organizations
   C. Two Free Electives (see “Restrictions on Free Electives”)

6. Option 6 (Special): Six course, designed to meet the special interest of the student, as agreed to by the student’s major advisor and a member of the Political Science Department.

Restrictions of free electives: Free electives must be approved by the student’s major advisor or a member of the department. No independent study, internships, or field experience courses (middle digit 9) may be scheduled without the signature of the Chairperson of the Department of
Political Science. One free elective may be selected from appropriate courses offered by cognate disciplines.
PSYCHOLOGY
(18 credits)

Required:

48.101 General Psychology
48.160 Basic Statistics
48.211 Child Psychology
48.251 or 60.251 Psychological Foundations of Education

Electives:

48.131 Psychology of Adjustment
One other psychology course
SOCIOLOGY
(18 credits)

Required:

49.133 Intro. to Social Work and Social Welfare
OR
49.236 Child Welfare

45.211 Principles of Sociology
45.213 Contemporary Social Problems
45.215 Racial and National Minority Groups
45.231 Marriage and the Family

Selection of (3) credits from the following Sociology courses:

45.318 Social Stratification
45.376 Science and Sociology
45.275 Sociological Theory
SPEECH
(18 credits)

Required:

25.206 Oral Interpretation of Literature
26.219 Children’s Theatre

Electives:

25.103 Public Speaking

NOTE: Speech Concentration is 15 hours in speech beyond 25.103. Speech 103 does not count toward Speech concentration. However, Elementary students are urged to begin their speech work with enrollment in 25.103. Please contact department chairperson for more information.