

Education

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Education programs are based on a solid liberal arts background. They provide an understanding of our pluralistic society and the children who will grow and live in that society. Programs are designed for students who are service-minded, have a commitment to young people, and want to learn the science and art of teaching.

The Teacher Education Program is centered around a theoretical knowledge base that combines with the Wartburg Plan of Essential Education, specialty content area expertise, and a professional core of education-related courses to develop effective and reflective preservice teachers. This knowledge base includes: communication; student learning; collaboration, ethics, and relationships; instructional strategies; reflection and professional development; assessment; instructional planning; diverse learners; technology; and learning environment. Specifically, the mission of the Wartburg Teacher Education Program is to develop the talents and abilities of students to become effective and reflective teachers in lives of professional service and leadership as an expression of their faith and learning.

To accomplish the purpose of the Teacher Education Program and support the mission of the college, the preservice teachers will demonstrate:

- Commitment to students and their learning.
- Knowledge of the content and how to teach the content to students.
- Responsibility for motivating, managing, and monitoring student learning.
- Reflective thinking about their practice and their experiences.
- Interest in being lifelong learners and members of learning communities.
- Dedication to helping individuals reach their full potential through service to God and humanity.

The program provides early and continuing field experiences. Field sites are available at schools in Waverly and the surrounding area, including Waterloo, and in New York City and Denver, Colo.

As early as the first year, prospective teachers may become involved in teaching activities. Throughout the program, one-on-one tutoring and small- and large-group presentations are essential components of practicum experiences. Methods courses emphasize instructional planning, a variety of teaching strategies, and technology integration. Before graduation, all teacher education students must complete a 25-hour field experience in a cultural setting significantly different than their own. The culminating experience is student teaching, integrating preparation with practice.

According to an Iowa legislative mandate, students wishing to be admitted to the Teacher Education Program must pass a basic skills test. Successful completion of the Praxis I, Pre-Professional Skills Test (PPST®) is a requirement for admission to the Wartburg College Teacher Education Program. Successful completion is defined as a total score of 522 with no score less than 172 and

no more than one individual score below 174. There is no appeal to this policy. Students may receive information about the test, registration forms, test-taking assistance, and remediation in the Pathways Center. Additional information will be discussed in the ED 100 Foundations of Education course. All testing costs will be borne by the student. The test and/or individual subtests may be retaken until the student receives a passing score. Transfer students will be allowed to transfer their scores from other institutions; they will be allowed to take upper-division course work for one term without a passing score.

Wartburg teacher education graduates serve in public and private schools throughout the United States. Increasing public school teacher shortages provide opportunities for employment in many subjects and in a variety of geographic areas at the elementary and secondary levels. The Education Department and Pathways Center assist graduates in the job search.

Students must achieve a C- or above in all methods and professional core courses and endorsement courses.

Wartburg is one of only a few Iowa institutions accredited by the National Council for the Accreditation of Teacher Education (NCATE). The college is also approved by the Iowa Department of Education and accredited by the Higher Learning Commission of the North Central Association.

TEACHER EDUCATION PROGRAMS

Teacher education programs are offered in elementary teaching (grades K-8) and secondary teaching (grades 5-12). Licensure for early childhood and middle school classrooms is also available. Programs in elementary education require a major in elementary education and one endorsement; secondary programs require a teaching major in a subject area.

Students with elementary education teaching majors who are interested in teaching in secondary schools may do this by completing: one of the 5-12 teaching endorsement areas; ED 452 Culture and Pedagogy of American Schools; PSY 211 Adolescent Development (½) (or PSY 225 Life Span Human Development); the Secondary Content Methods Course; and ED 483 Secondary Student Teaching (with seven weeks of student teaching assignment in a middle school or high school setting). This option must be discussed and planned carefully with the adviser.

ADMISSION

Upon declaration of majors, students are assigned an adviser who assists in preparing a course sequence plan and monitors progress throughout the program. Student progress is reviewed at multiple checkpoints throughout the program.

ADMISSION TO TEACHER EDUCATION

Students apply for admission to the Teacher Education Program during their enrollment in ED 100 Foundations of American Education, normally during the first or second year. Application forms are available from the instructor or the Education Department.

Criteria for approval:

1. Cumulative grade point average of 2.5 in all course work taken at Wartburg.

- Grade of C- or better in ED 100 Foundations of American Education, PSY 101 Introduction to Psychology, and EN 111 English Composition (or ACT English score of 20 or higher).
- Passing grade (P) in ED 181 Field Experience in Education.
- Awareness of components of the Wartburg Teacher Education knowledge base.
- A positive recommendation from the student's adviser(s).
- Human qualities that elicit a positive response from students and professional colleagues as measured by faculty recommendations and field experience evaluations.
- Demonstration of ethical and moral values and behaviors across all communities and consistent with professional standards promoted by the college and required for teacher licensure.
- A total score of 522 on the Praxis I, Pre-Professional Skills Test (PPST®) with no score less than 172 and no more than one individual score below 174.

Transfer students may be admitted to the Teacher Education Program after completing one term at Wartburg and meeting the above criteria.

A student denied admission or seeking a waiver may appeal as described in the Teacher Education Policy Manual (www.wartburg.edu/educ/policies.html).

APPROVAL FOR STUDENT TEACHING

Students apply for student teaching approval at a formal meeting held the year before they student teach. Written application is made to the Education Department and the teaching major department. Approval is necessary before student teaching.

Criteria for approval:

- Continued fulfillment of all Teacher Education Program criteria.
- Completion of professional core courses.
- Demonstrated broad competencies in all areas of the Wartburg Teacher Education knowledge base.
- Recommendation from the Education Department and the student's adviser(s).

For transfer students, approval for student teaching requires completion of one term at Wartburg and admission to the Teacher Education Program at Wartburg. Transfer students should consult with the Education Department on specific requirements.

COMPLETION OF TEACHER EDUCATION PROGRAM

Graduation from the Teacher Education Program requires:

- Passing grade in student teaching.
- Demonstration of comprehensive understanding of the performance-based outcomes of the Wartburg Teacher Education knowledge base.
- Requirements for Iowa licensure.

Elementary Education Major

17½ -18 course credits, plus one or more endorsements. All courses are one credit unless otherwise noted.

ED 100 Foundations of American Education PLUS
 ED 181 Field Experience: Foundations (0)
 ED 210 Children's Literature
 ED 211 Psychology of the Exceptional Child (½)
 ED 212 Human Relations
 ED 221 Teaching Elementary Social Studies
 ED 315 Educational Psychology PLUS
 ED 383 Field Experience: Educational Psychology (0)
 ED 320 Teaching Language Arts
 ED 321 Reading in the Elementary School PLUS
 ED 385 Field Experience: Elementary School Reading (0)
 ED 350 Content Area Reading Strategies
 ED 482 Elementary Student Teaching and Capstone Seminar (2-4) and/or
 ED 484 Pre-kindergarten and Kindergarten Student Teaching and Capstone Seminar (2) and/or
 ED 488 Middle School Student Teaching and Capstone Seminar (2)

CA 112 Oral Communication (½)

MA 312 Teaching Elementary School Mathematics

PSY 101 Introduction to Psychology

PSY 210 Child Development (½) or PSY 225 Life Span Human Development

SCI 385 Elementary Science Methods

Two courses from

ART 220 Elementary School Art Methods (½)

HE 249 Elementary School Health Methods (½)

MU 301 Elementary School Music Methods (½)

PE 252 Physical Education for Elementary Grades

A teaching endorsement is required of elementary education majors. K-8 endorsements are available in art, Christian education (not an Iowa Department of Education endorsement), early childhood, English-language arts, French, German, health, history, mathematics, music, physical education, reading, science, social studies, Spanish, and speech communication/theatre. By completing the Elementary Education Major, students have met the requirements for OCAC/ILAC.

Secondary Teacher Professional Core

12-12½ course credits. All courses are one credit unless otherwise noted.

ED 100 Foundations of American Education PLUS

ED 181 Field Experience Foundations (0)

ED 211 Psychology of the Exceptional Child (½)

ED 212 Human Relations

ED 229 Teaching in the Secondary School (½) PLUS

ED 282 Field Experience: Teaching in the Secondary School (0)

ED 315 Educational Psychology PLUS

ED 383 Field Experience: Educational Psychology (0)

ED 350 Content Area Reading Strategies

ED 452 Culture and Pedagogy of American Schools (½) PLUS

ED 491 Field Experience: Culture and Pedagogy of American Schools (0)

ED 483 Secondary Student Teaching and Capstone Seminar (2-4) and/or

ED 486 PK-12 Physical Education and Capstone Seminar (4)

and/or

ED 487 K-12 Art Student Teaching and Capstone Seminar (4)

and/or

Ed 488 Middle School Student Teaching and Capstone Seminar (2-4)

and/or

ED 489 5-12 Health Student Teaching (2)

PSY 101 Introduction to Psychology

PSY 211 Adolescent Development (½) (or PSY 225 Life Span Human Development for K-12)

In addition, students must take at least one of the following classes for each endorsement area:

ART 470 Secondary Content Methods: Art

BI 470, CH 470, PHY 470 Secondary Content Methods: Science

ED 470 Secondary Content Methods: Social Studies

EN 470 Secondary Content Methods: English/Journalism

FL 470 Secondary Content Methods: Foreign Language

MA 470 Secondary Content Methods: Mathematics

PE 470 Secondary Content Methods: Physical Education

Students complete the secondary teacher professional core and a teaching major. By completing the Secondary Education professional core, students have met the requirements for OCAC/ILAC.

Endorsements

American Government

TEACHING MAJOR (5-12)

11 course credits:

EC 100 Principles of Economics (½)

EC 101 Principles of Macroeconomics (½)

HI 109 American History to 1877 or HI 110 American History Since 1877

ED 470 Secondary Content Methods: Social Studies

PS 101 Introduction to American Politics

PS 207 State and Local Government or PS 209 State and Local Government: Denver, Colo.

PS 220 Political Behavior

PS 310 Policy Formulation, Administration, and Analysis

Four course credits from

PS 130 Contemporary Political Ideologies

PS 235 American Legislature and Judiciary

PS 306 History of American Foreign Relations

PS 308 American Presidency

PS 309 Constitutional Law

PS 343 Public Finance and Fiscal Policy

PS 460 Perspectives in Political Science

ENDORSEMENT (5-12)

8 course credits:

ED 470 Secondary Content Methods: Social Studies

PS 101 Introduction to American Politics

PS 207 State and Local Government or PS 209 State and Local Government: Denver, Colo.

PS 220 Political Behavior

PS 308 American Presidency

PS 310 Policy Formulation, Administration, and Analysis

Two course credits from

PS 130 Contemporary Political Ideologies

PS 235 American Legislature and Judiciary

PS 306 History of American Foreign Relations

PS 309 Constitutional Law

PS 313 Political Philosophy

PS 343 Public Finance and Fiscal Policy

PS 460 Perspectives in Political Science

MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

5 course credits:

PS 101 Introduction to American Politics

PS 207 State and Local Government or PS 209 State and Local Government: Denver, Colo.

PS 220 Political Behavior

PS 310 Policy Formulation, Administration, and Analysis

One course credit from

PS 130 Contemporary Political Ideologies

PS 230 Political Psychology

PS 308 American Presidency

PS 309 Constitutional Law

Art

ART EDUCATION MAJOR (K-8 AND 5-12)

13½ course credits:

ART 105 Design I

ART 108 Graphic Design

ART 111 Drawing

ART 131 Printmaking

ART 135 Ceramics (or ART 141 Sculpture)

ART 150 20th Century Art, Media, and Design

ART 201 Painting

ART 208 Photography

ART 220 Elementary School Art Methods (½)

ART 250 Art History: Early Through Gothic

ART 251 Art History: Renaissance Through Modern

ART 301 Advanced Drawing and Painting

ART 460 Seminar in Art

ART 470 Secondary Content Methods: Art

ENDORSEMENT (K-8 OR 5-12)

7½-8 course credits:

ART 104 Introduction to Art

ART 105 Design I

ART 111 Drawing

ART 141 Sculpture I (or ART 135 Ceramics I)

ART 151 Jewelry

ART 201 Painting (or ART 131 Printmaking I)

ART 220 Elementary School Art Methods (½ – for K-8 only)

ART 250 Art History: Early Through Gothic (or ART 251 Art

History: Renaissance Through Modern)

ART 470 Secondary Content Methods: Art (for 5-12 majors)

Biology

TEACHING MAJOR (5-12)

17½ course credits:

BI 151 Ecosystems, Cells, and Evolution

BI 152 Phylogeny, Structure, and Function

BI 211 Genetics

BI 455 Methods of Biological Research (½)
BI 456 Student-Originated Research (½)
BI 461 Science Seminar (½)
BI 470 Secondary Content Methods: Science
One form and function course credit from
BI 202 Human Anatomy and Physiology
BI 304 Developmental Biology
BI 311 Mammalian Anatomy and Physiology I
BI 312 Mammalian Anatomy and Physiology II
BI 335 Neurobiology

One field biology course credit from
BI 204 Conservation of Natural Resources
BI 206, BI 216 Ecology of Guyana I and II
BI 207 Vertebrate Ecology of the Prairie
BI 209 Ecology
BI 315 Ornithology
BI 320 Aquatic Biology
BI 325 Behavioral Ecology

One course credit from
BI 221 Cell Biology
BI 305 Microbiology
BI 416 Molecular Biology of Cancer

Three CH course credits

Two MA course credits (MA 214 Statistical Methods strongly recommended; MA 106 Mathematics in Modern Society does not count)

PHY 101 General Physics I (or PHY 203 Classical Physics I)
PHY 120 Science of Water or PHY 132 Earth Science
Two elective course credits in biology, chemistry (CH 130 Hot Topics in Science and Medicine does not count), or physics (PHY 150 Science for Society does not count)

ENDORSEMENT (5-12)

8 course credits:

BI 151 Ecosystems, Cells, and Evolution
BI 152 Phylogeny, Structure, and Function
BI 202 Human Anatomy and Physiology
BI 204 Conservation of Natural Resources
BI 209 Ecology
BI 470 Secondary Content Methods: Science
Two BI course credits

MINOR ENDORSEMENT FOR SCIENCE TEACHING MAJORS (5-12)

4 course credits:

BI 151 Ecosystems, Cells, and Evolution
BI 152 Phylogeny, Structure, and Function
Two course credits from BI 202 Human Anatomy and Physiology, BI 204 Conservation of Natural Resources, BI 209 Ecology, or BI 305 Microbiology

ALL-SCIENCE ENDORSEMENT (9-12)

Add the following four course credits to the Biology Teaching Major:

PHY 102 General Physics II
or
PHY 204 Classical Physics II
PHY 130 Physics of Ordinary Things or PHY 207 or higher

Two Earth Science course credits from
PHY 120 Science of Water
PHY 132 Earth Science
PHY 170 Astronomy

Chemistry

TEACHING MAJOR (5-12)

15½ course credits:

CH 113 Principles of Chemistry I
CH 114 Principles of Chemistry II
CH 211 Organic Chemistry I
CH 212 Organic Chemistry II
CH 217 Analytical Chemistry
CH 315 Quantum Chemistry
CH 316 Chemical Thermodynamics and Kinetics
CH 340 Analytical and Physical Measurements
CH 421 Advanced Inorganic Chemistry
CH 461 Science Seminar (½)
CH 470 Secondary Content Methods: Science
MA 214 Statistical Methods
MA 251 Foundational Differential Calculus (½)
MA 252 Foundational Integral Calculus (½)
PHY 203 Classical Physics I
PHY 204 Classical Physics II

or

PHY 101 General Physics I
PHY 102 General Physics II

One chemistry elective course credit from the following:

CH 420 Advanced Organic Chemistry
CH 422 Advanced Analytical Chemistry

ENDORSEMENT (5-12)

7 course credits:

CH 113 Principles of Chemistry I
CH 114 Principles of Chemistry II
CH 217 Analytical Chemistry
CH 470 Secondary Content Methods: Science

Three course credits from one of the following groups:

Group A

CH 211 Organic Chemistry I
CH 212 Organic Chemistry II
CH 315 Quantum Chemistry
or
CH 316 Chemical Thermodynamics and Kinetics

Group B

CH 205 Introductory Organic Chemistry
CH 325 Biochemistry
CH 315 Quantum Chemistry
or
CH 316 Chemical Thermodynamics and Kinetics

MINOR ENDORSEMENT FOR SCIENCE TEACHING MAJORS (5-12)

4 course credits from one of these groups:

Group A

CH 113 Principles of Chemistry I
CH 114 Principles of Chemistry II
CH 211 Organic Chemistry I
CH 212 Organic Chemistry II

Group B

CH 113 Principles of Chemistry I
CH 114 Principles of Chemistry II
CH 205 Introductory Organic Chemistry
CH 217 Analytical Chemistry (or CH 325 Biochemistry)

ALL-SCIENCE ENDORSEMENT (9-12)

Add the following seven course credits to the Chemistry Teaching Major:

Four PHY course credits

- PHY 130 Physics of Ordinary Things or PHY 207 or higher
- PHY 120 Science of Water
- PHY 132 Earth Science
- PHY 170 Astronomy

Three biology course credits from

- BI 151 Ecosystems, Cells, and Evolution
- BI 152 Phylogeny, Structure, and Function

One course credit from

- BI 202 Human Anatomy and Physiology
- BI 204 Conservation of Natural Resources
- BI 305 Microbiology

OR

- BI 101 Concepts of Biology or BI 131 Biology of Ordinary Things
- BI 117 Environmental Biology
- BI 202 Human Anatomy and Physiology

Christian Education

ENDORSEMENT (K-8)

5 course credits:

- ED 213 Christian Day School
- ED 341 Teaching the Christian Faith
- RE 101 Literature of the Old and New Testaments
- RE 255 Urban Ministry
- RE 304 Lutheran Heritage

Approved by the Evangelical Lutheran Church in America. Not an Iowa Department of Education endorsement.

Early Childhood

ENDORSEMENT (Pre K-K)

9 course credits:

- ED 210 Children's Literature
- ED 223 Language Development
- ED 354 Organization of Early Childhood Programs
- ED 355 Early Childhood: Family and Community Relations (½)
- ED 356 Curriculum Development and Guidance of Young Children
- ED 481 Early Childhood Practicum (½)
- ED 484 Preschool/Kindergarten Student Teaching (2)
- HE 240 Basic Nutrition (½)
- PSY 210 Child Development (½)
- SW 210 Meeting the Needs of Children

Economics

TEACHING MAJOR (5-12)

11½ course credits:

- EC 100 Principles of Economics (½)
- EC 101 Principles of Macroeconomics (½)
- EC 102 Principles of Microeconomics (½)
- EC 317 Modeling and Forecasting the Macroeconomy
- EC 318 Microeconomic Theory
- EC 349 Comparative Economic Systems
- EC 355 International Trade and Finance
- EC 460 Perspectives in Economics
- One EC elective course credit numbered 300 or above
- ED 470 Secondary Content Methods: Social Studies
- HI 109 American History to 1877

HI 110 American History Since 1877

PS 101 Introduction to American Politics

ENDORSEMENT (5-12)

7½ course credits:

- EC 100 Principles of Economics (½)
- EC 101 Principles of Macroeconomics (½)
- EC 102 Principles of Microeconomics (½)
- EC 317 Modeling and Forecasting the Macroeconomy (or EC 318 Microeconomic Theory)
- EC 342 Financial Markets and Modern Money
- EC 349 Comparative Economic Systems
- Two EC elective course credits numbered 300 or above
- ED 470 Secondary Content Methods: Social Studies

MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

4½ course credits:

- EC 100 Principles of Economics (½)
- EC 101 Principles of Macroeconomics (½)
- EC 102 Principles of Microeconomics (½)
- Three EC elective course credits numbered 300 or above

English, Language Arts

TEACHING MAJOR (5-12)

12 course credits:

- EN 150 Introduction to Literature
- EN 244 Young Adult Literature
- EN 319 Literature and Film or EN 251 Introduction to Film
- EN 331 Structure of English
- EN 470 Secondary Content Methods: English/Journalism
- One course credit from each of the three surveys listed below (three course credits)
 - EN 201 British Writers I
 - EN 202 British Writers II
 - EN 205 Survey of World Literature I
 - EN 206 Survey of World Literature II
 - EN 208 Literature and Culture of America I
 - EN 209 Literature and Culture of America II

Two writing course credits from

- EN 220 Poetry Writing
- EN 221 Fiction Writing
- EN 222 Literary Non-Fiction Writing
- EN 332 Technical Writing
- EN 335 Advanced Research Writing

Two literature course credits from the following

- Any survey(s) not previously completed
- EN 218 Introduction to the Graphic Novel
- EN 231 Introduction to Myth and Folklore
- EN 260 Exploratory Seminar
- EN 261 England: A Literary Tour
- EN 313 Contemporary Literature
- EN 314 Major Women Writers
- EN 315 Modern Literature and Culture
- EN 316 Shakespeare
- EN 317 British Novel
- EN 318 American Novel

EN 401 Seminar
EN 403 Survey of Drama
EN 450 Independent Study

ENDORSEMENT LANGUAGE ARTS (K-8)

8½ course credits:

CA 112 Oral Communication (½)
ED 210 Children's Literature
ED 223 Language Development
EN 244 Young Adult Literature
ED 320 Teaching Language Arts
ED 321 Reading in the Elementary School PLUS
ED 385 Field Experience: Elementary School Reading (0)
TH 280 Oral Interpretation

One course credit from

EN 220 Poetry Writing
EN 221 Fiction Writing
EN 222 Literary Non-Fiction Writing
EN 335 Advanced Research Writing

One course credit from

EN 208 Literature and Culture of America I
EN 209 Literature and Culture of America II
EN 318 American Novel
EN 319 Literature and Film

ENDORSEMENT (5-12)

10 course credits:

EN 150 Introduction to Literature
EN 244 Young Adult Literature
EN 331 Structure of English
EN 335 Advanced Research Writing (or EN 112 Intermediate Composition)
EN 470 Secondary Content Methods: English/Journalism
TH 280 Oral Interpretation

One course credit from

EN 220 Poetry Writing
EN 221 Fiction Writing
EN 332 Technical Writing
EN 335 Advanced Research Writing

One course credit from

EN 208 Literature and Culture of America I
EN 209 Literature and Culture of America II
EN 318 American Novel
EN 319 Literature and Film

One course credit from

EN 201 British Writers I
EN 202 British Writers II
EN 205 Survey of World Literature I
EN 206 Survey of World Literature II
EN 316 Shakespeare
EN 317 British Novel

One EN elective course credit number 200 or above

French

TEACHING MAJOR (5-12)

12 course credits minimum:

FR 204 Intermediate French I
FR 206 Intermediate French II
FR 260 May Term Abroad: French Culture I (½)
FR 261 May Term Abroad: Intensive French I
FR 304 French Tutoring (½)

Two course credits from

FR 311 Topics in French Literature and Culture I
FR 312 Topics in French Literature and Culture II
FR 313 Topics in French Literature and Culture III
FR 314 Topics in French Literature and Culture IV
FR 371 Internship
FR 460 Capstone Seminar: French
FL 350 Topics in Comparative Cultures
FL 470 Secondary Content Methods: Foreign Language

Third-Year Study Abroad (one or two terms; maximum 4 course credits)

Regardless of where students are placed initially in French, they must complete the required 12 course credits for the teaching major in French.

ENDORSEMENT (K-8)

7 course credits:

ED 455 Special Methods: Foreign Language (Elementary) (½)
FR 104 Elementary French I
FR 106 Elementary French II
FR 204 Intermediate French I
FR 206 Intermediate French II
FR 260 May Term Abroad: French Culture I (½)
FR 261 May Term Abroad: Intensive French I

One course credit from

FR 311 Topics in French Literature and Culture I
FR 312 Topics in French Literature and Culture II
FR 313 Topics in French Literature and Culture III
FR 314 Topics in French Literature and Culture IV
FR 371 Internship

Students are placed initially according to proficiency level and must then accumulate a total of 7 course credits. It is recommended that students enroll in French courses most of their four years.

ENDORSEMENT (5-12)

7 course credits:

FR 204 Intermediate French I
FR 206 Intermediate French II
FR 260 May Term Abroad: French Culture I (½)
FR 261 May Term Abroad: Intensive French I

One or more course credits from

FR 311 Topics in French Literature and Culture I
FR 312 Topics in French Literature and Culture II
FR 313 Topics in French Literature and Culture III
FR 314 Topics in French Literature and Culture IV
FR 371 Internship

Remaining course credits from

FR 265 May Term Abroad: French Culture II (½)
FR 266 May Term Abroad: Intensive French II
FL 350 Topics in Comparative Cultures
FL 470 Secondary Content Methods: Foreign Language

Students are placed initially according to proficiency level and must then accumulate a total of 7 course credits.

German

TEACHING MAJOR (5-12)

12 course credits:

FL 350 Topics in Comparative Cultures
FL 470 Secondary Content Methods: Foreign Language
GER 204 Intermediate German I
GER 206 Intermediate German II

GER 260 May Term Abroad: German Culture I (½)
GER 261 May Term Abroad: Intensive German I
GER 304 German Tutoring (½)
GER 460 Capstone Seminar: German
Two course credits from the following for Third-Year Abroad students studying two terms abroad. Two or more of the following for students studying one term abroad.

- GER 305 German for Professions
- GER 312 Discovering Germany Past-Present
- GER 313 German Society in Film and Fiction
- GER 314 Minority Experience in German Society
- GER 349 Studies in German Literature and Culture

Third-Year Study Abroad (one or two semesters; maximum 4 course credits)

Regardless of where students are placed initially in German, they must complete the required 12 course credits for the teaching major in German.

ENDORSEMENT (K-8)

7 course credits:

- ED 455 Special Methods: Foreign Language (Elementary) (½)
- GER 104 Elementary German I
- GER 106 Elementary German II
- GER 204 Intermediate German I or GER 206 Intermediate German II

GER 260 May Term Abroad: German Culture I (½)

GER 261 May Term Abroad: Intensive German I

One course credit from

- GER 305 German for Professions
- GER 312 Discovering Germany Past-Present
- GER 313 German Society in Film and Fiction
- GER 314 Minority Experience in German Society
- GER 349 Studies in German Literature and Culture

Students are placed initially according to proficiency level and must then accumulate a total of 7 course credits. It is recommended that students enroll in German courses most of their four years.

ENDORSEMENT (5-12)

7 course credits:

- FL 470 Secondary Content Methods: Foreign Language
- GER 204 Intermediate German I or GER 205 Intermediate German II

GER 206 Intermediate German II

GER 260 May Term Abroad: German Culture I (½)

GER 261 May Term Abroad: Intensive German I

One or more course credits from

- GER 305 German for Professions
- GER 312 Discovering Germany Past-Present
- GER 313 German Society in Film and Fiction
- GER 314 Minority Experience in German Society
- GER 349 Studies in German Literature and Culture

Remaining course credits from

- GER 265 May Term Abroad: German Culture II (½)
- GER 266 May Term Abroad: Intensive German II
- FL 350 Topics in Comparative Cultures

Students are placed initially according to proficiency level and then must accumulate a total of 7 course credits.

Health

ENDORSEMENT IN HEALTH (K-8)

8 course credits:

One BI course with lab

- HE 240 Basic Nutrition (½)
- HE 242 Consumer Health (½)
- HE 249 Elementary School Health Methods (½)
- HE 342 Substance Abuse (½)
- HE 344 Foundations of Health Education (½)
- HE 440 Community and Public Health
- PE 100 Lifetime Wellness (½)
- PE 155 Care and Prevention of Athletic Injuries
- PSY 220 Stress and Adjustment
- SW 220 Changing Roles and Human Sexuality or RE 222 Sexual Ethics

ENDORSEMENT IN HEALTH (5-12)

8 course credits:

One BI course with lab

- HE 240 Basic Nutrition (½)
- HE 242 Consumer Health (½)
- HE 250 Secondary Health Methods (½)
- HE 342 Substance Abuse (½)
- HE 344 Foundations of Health Education (½)
- HE 440 Community and Public Health
- PE 100 Lifetime Wellness (½)
- PE 155 Care and Prevention of Athletic Injuries
- PSY 220 Stress and Adjustment
- SW 220 Changing Roles and Human Sexuality or RE 222 Sexual Ethics

History

AMERICAN HISTORY TEACHING MAJOR (5-12)

11½ course credits:

- ED 470 Secondary Content Methods: Social Studies
- HI 101 Western Civilization I
- HI 102 Western Civilization II
- HI 109 American History to 1877
- HI 110 American History Since 1877
- HI 240 Historical Methods
- HI 461 Historiography (½)

Three course credits from

- HI 175 History of Iowa
- HI 250, HI 350 Topics in American History
- HI 280 American Women's History
- HI 301 Colonial America
- HI 304 American Ethnic History
- HI 305 The American Frontier
- HI 306 History of American Foreign Relations

One course credit from

- HI 212 Castles and Cathedrals
- HI 231 Hollywood History
- HI 251, HI 351 Topics in European History
- HI 257 The European Union Then and Now
- HI 260 History of World War II
- HI 290 20th-Century Europe
- HI 311 Ancient Civilization
- HI 312 Medieval History
- HI 318 Hitler's Germany
- HI 320 Investigating Germany's Past Abroad
- HI 321 Russian History

One course credit from

- HI 150 20th-Century Non-Western History and Geography
- HI 211 Rise and Fall of Early Empires
- HI 224 Modern History and Culture of the Middle East
- HI 252, HI 352 Topics in Non-Western History
- HI 282 Women in Early World History
- HI 341 African History
- HI 343 Colonialism and Culture

EC 100 Principles of Economics (½), EC 101 Principles of Macroeconomics (½), EC 102 Principles of Microeconomics (½), and PS 101 Introduction to American Politics recommended.

AMERICAN HISTORY ENDORSEMENT (5-12)

8 course credits:

ED 470 Secondary Content Methods: Social Studies

HI 109 American History to 1877

HI 110 American History Since 1877

Five course credits from

- HI 175 History of Iowa
- HI 240 Historical Methods
- HI 250, HI 350 Topics in American History
- HI 280 American Women's History
- HI 301 Colonial America
- HI 304 American Ethnic History
- HI 305 The American Frontier
- HI 306 History of American Foreign Relations

AMERICAN HISTORY MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

6 course credits:

HI 109 American History to 1877

HI 110 American History Since 1877

Four course credits from

- HI 175 History of Iowa
- HI 240 Historical Methods
- HI 250, 350 Topics in American History
- HI 280 American Women's History
- HI 301 Colonial America
- HI 304 American Ethnic History
- HI 305 The American Frontier
- HI 306 History of American Foreign Relations

WORLD HISTORY TEACHING MAJOR (5-12)

11½ course credits:

ED 470 Secondary Content Methods: Social Studies

HI 101 Western Civilization I

HI 102 Western Civilization II

HI 109 American History to 1877

HI 110 American History Since 1877

HI 240 Historical Methods

HI 461 Historiography (½)

One course credit from

- HI 175 History of Iowa
- HI 250, HI 350 Topics in American History
- HI/WS 280 American Women's History
- HI 301 Colonial America
- HI 304 American Ethnic History
- HI 305 The American Frontier
- HI 306 History of American Foreign Relations

Two course credits from

- HI 212 Castles and Cathedrals
- HI 231 Hollywood History

HI 251, HI 351 Topics in European History

HI 257 The European Union Then and Now

HI 260 History of World War II

HI 290 20th-Century Europe

HI 311 Ancient Civilizations

HI 312 Medieval History

HI 318 Hitler's Germany

HI 320 Investigating Germany's Past Abroad

HI 321 Russian History

Two course credits from

HI 150 20th-Century Non-Western History and Geography

HI 211 Rise and Fall of Early Empires

HI 224 Modern History and Culture of the Middle East

HI 252, HI 352 Topics in Non-Western History

HI 282 Women in Early World History

HI 341 African History

HI 343 Colonialism and Culture

WORLD HISTORY ENDORSEMENT (5-12)

8 course credits:

ED 470 Secondary Content Methods: Social Studies

HI 101 Western Civilization I

HI 102 Western Civilization II

Three course credits from

HI 231 Hollywood History

HI 251, HI 351 Topics in European History

HI 257 The European Union Then and Now

HI 260 History of World War II

HI 290 20th-Century Europe

HI 311 Ancient Civilizations

HI 312 Medieval History

HI 318 Hitler's Germany

HI 320 Investigating Germany's Past Abroad

HI 321 Russian History

Two course credits from

HI 150 20th-Century Non-Western History and Geography

HI 211 Rise and Fall of Early Empires

HI 224 Modern History and Culture of the Middle East

HI 252, HI 352 Topics in Non-Western History

HI 282 Women in Early World History

HI 341 African History

HI 343 Colonialism and Culture

WORLD HISTORY MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

6 course credits:

HI 101 Western Civilization I

HI 102 Western Civilization II

Two course credits from

HI 212 Castles and Cathedrals

HI 231 Hollywood History

HI 251, HI 351 Topics in European History

HI 257 The European Union Then and Now

HI 260 History of World War II

HI 290 20th-Century Europe

HI 311 Ancient Civilizations

HI 312 Medieval History

HI 318 Hitler's Germany

HI 320 Investigating Germany's Past Abroad

HI 321 Russian History

Two course credits from

- HI 150 20th-Century Non-Western History and Geography
- HI 211 Rise and Fall of Early Empires
- HI 224 Modern History and Culture of the Middle East
- HI 252, HI 352 Topics in Non-Western History
- HI 282 Women in Early World History
- HI 341 African History
- HI 343 Colonialism and Culture

HISTORY ENDORSEMENT (K-8)

7 course credits:

- HI 101 Western Civilization I
- HI 102 Western Civilization II
- HI 109 American History to 1877
- HI 110 American History Since 1877

One course credit from

- HI 175 History of Iowa
- HI 250, HI 350 Topics in American History
- HI 301 Colonial America
- HI 304 American Ethnic History
- HI 305 The American Frontier
- HI 306 History of American Foreign Relations

One course credit from

- HI 212 Castles and Cathedrals
- HI 231 Hollywood History
- HI 251, HI 351 Topics in European History
- HI 257 The European Union Then and Now
- HI 260 History of World War II
- HI 290 20th-Century Europe
- HI 311 Ancient Civilizations
- HI 312 Medieval History
- HI 318 Hitler's Germany
- HI 320 Investigating Germany's Past Abroad
- HI 321 Russian History

One course credit from

- HI 150 20th-Century Non-Western History and Geography
- HI 211 Rise and Fall of Early Empires
- HI 224 Modern History and Culture of the Middle East
- HI 252, HI 352 Topics in Non-Western History
- HI 282 Women in Early World History
- HI 341 African History
- HI 343 Colonialism and Culture

Instructional Strategist I: Mild and Moderate Endorsement (K-8)

7 course credits:

- ED 211 Psychology of the Exceptional Child (½)
- ED 214 Introduction to Mild and Moderate Disabilities PLUS
- ED 284 Field Experience: Mild and Moderate Disabilities (0)
- ED 314 Methods and Strategies in Special Education
- ED 334 Managing Behavior and Skills in Special Education
- ED 344 Assessment Practices in Special Education (½)
- ED 364 Community and Collaborative Partnerships in Special Education
- ED 480 Student Teaching: Special Education (2)

Journalism

TEACHING MAJOR (5-12)

9 course credits:

- CA 100 Introduction to Communication Arts
- CA 204 Changing World of Electronic Media

CA 305 Reporting for Print Media

- CA 325 Advanced News Writing
- CA 335 Editing for Print Media
- CA 340 Media Law and Ethics
- CA 349 Online Journalism
- CA 371 Internship or CA 481 Field Experience
- EN 470 Secondary Content Methods: English/Journalism

ENDORSEMENT (5-12)

7 course credits:

- CA 100 Introduction to Communication Arts
- CA 204 Changing World of Electronic Media
- CA 305 Reporting for Print Media
- CA 325 Advanced News Writing
- CA 335 Editing for Print Media
- CA 349 Online Journalism
- EN 470 Secondary Content Methods: English/Journalism

Mathematics

TEACHING MAJOR (5-12)

12 course credits:

- MA 250 Applied Calculus
- MA 251 Foundational Differential Calculus (½)
- MA 252 Foundational Integral Calculus (½)
- MA 301 Linear Algebra
- MA 302 Algebraic Structures
- MA 304 Modern Geometries
- MA 313 Probability and Statistics
- MA 461 Perspectives in Mathematics
- MA 470 Secondary Content Methods: Mathematics
- CS 120 Introduction to Computers and Programming

Three course credits from

- MA 255 Multivariable Calculus
- Any MA course numbered above 290 except MA 312 Teaching Elementary School Mathematics and MA 372 Internship
- Any CS course numbered above 200 except CS 372 Internship (No more than one internship course credit may be applied)

MA 255 Multivariable Calculus and MA 307 Mathematical Modeling recommended

ENDORSEMENT (K-8)

7 course credits:

- MA 110 Structures of Mathematics
- MA 212 Geometry and Measurement
- MA 214 Statistical Methods
- MA 312 Teaching Elementary School Mathematics

One course credit in computer science selected from

- CS 100 Survey of Computer Applications (½)
- CS 102 Computer Applications in Business (½)
- CS 120 Introduction to Computers and Programming

Two course credits from

- MA 106 Mathematics in Modern Society
- MA 107 Finite Mathematics
- MA 190 Pre-Calculus
- MA 250 Applied Calculus
- MA 251 Foundational Differential Calculus (½)
- MA 252 Foundational Integral Calculus (½)
- Any MA course numbered above 203

ENDORSEMENT (5-12)

8 course credits:

CS 120 Introduction to Computers and Programming

MA 250 Applied Calculus

MA 251 Foundational Differential Calculus (½)

MA 252 Foundational Integral Calculus (½)

MA 301 Linear Algebra

MA 470 Secondary Content Methods: Mathematics

At least two course credits from MA courses numbered above 202

except MA 312 Teaching Elementary School Mathematics and

MA 281 Field Experience and a maximum of one mathematics internship credit

Additional course credit may be from among those described above or any CS course. MA 304 Modern Geometries is recommended for high school geometry teaching.

Middle School Endorsement

Students must have an elementary teaching major with an endorsement or a secondary teaching major.

10½-12 course credits:

ED 350 Content Area Reading Strategies

ED 360 Middle Level Socialization and Development

ED 361 Middle School Curriculum PLUS

ED 384 Field Experience: Middle School (0)

Concentrations in two of the following areas

Social Studies (American History, World History, Government, Geography)

HI 101 Western Civilization I or HI 102 Western Civilization II

HI 109 American History to 1877 or HI 110 American History

Since 1877

HI 150 20th-Century Non-Western History and Geography

PS 101 Introduction to American Politics

Mathematics

MA 106 Mathematics in Modern Society

MA 107 Finite Mathematics

MA 110 Structures of Mathematics

MA 190 Pre-Calculus

Science

One from BI 117, BI 130, BI 131, BI 132 (Life Science)

One from PHY 101, PHY 102, PHY 130 (Physical Science)

One from PHY 132, PHY 170, BI/PHY 120 (Earth Science)

Language Arts

CA 112 Oral Communication (½)

ED 223 Language Development

EN 112 Intermediate Composition

EN 150 Introduction to Literature

EN 244 Young Adult Literature

Music

SECONDARY EDUCATION CORE (for all B.M.E. majors)

See Wartburg Plan of Essential Education requirements for B.M.E.

8-9 course credits:

ED 100 Foundations of American Education PLUS

ED 181 Field Experience (0)

ED 211 Psychology of the Exceptional Child (½)

ED 212 Human Relations

ED 315 Educational Psychology PLUS

ED 383 Field Experience (0)

ED 485 Music Student Teaching (3)

MU 409 Contemporary Issues in Music Education (½)

PSY 101 Introduction to Psychology (waived for music therapy majors)

PSY 225 Life Span Human Development (for K-12)

BACHELOR OF MUSIC EDUCATION (K-12)

19¼ course credits:

MU 105 Music Theory I

MU 106 Music Theory II

MU 107 Aural Skills I (½)

MU 205 Music Theory III

MU 207 Aural Skills II (½)

MU 129 Instrumental Fundamentals: Flute, Saxophone (¼)

MU 133 Instrumental Fundamentals: Oboe, Bassoon (¼)

MU 134 Instrumental Fundamentals: Trumpet, French Horn (¼)

MU 135 Instrumental Fundamentals: Trombone, Tuba (¼)

MU 136 Instrumental Fundamentals: Mallets (¼)

MU 137 Instrumental Fundamentals: Drums (¼)

MU 138 Instrumental Fundamentals: Violin, Viola (¼)

MU 139 Instrumental Fundamentals: Cello, Bass (¼)

MU 170 Applied Voice or MU 175 Voice Class (two terms, ¼ each)

MU 209 General Music Methods K-8 PLUS

MU 181 Field Experience

MU 229 Voice Pedagogy I (½) (vocal majors only)

MU 309 Choral and Instrumental Methods: Grades 5-12 PLUS

MU 281 Field Experience (0)

MU 315 Music History I

MU 316 Music History II

MU 318 20th-Century Music

MU 324 Conducting

MU 330 Choral and Band Conducting and Literature

MU 409 Contemporary Issues in Music Education (½)

4¼ course credits of applied music in major

One non-applied music elective credit

One applied minor course credit

Basic piano skills test (non-keyboard)

Third-year recital (15 minutes)

Fourth-year recital (30 minutes)

Must participate in music ensemble each term

BACHELOR OF MUSIC EDUCATION/MUSIC THERAPY (K-12)

29½ course credits:

Any BI 202 Prerequisite

BI 202 Human Anatomy and Physiology

MU 105 Music Theory I

MU 106 Music Theory II

MU 107 Aural Skills I (½)

MU 205 Music Theory III

MU 207 Aural Skills II (½)

MU 129 Instrumental Fundamentals: Flute, Saxophone (¼)

MU 133 Instrumental Fundamentals: Oboe, Bassoon (¼)

MU 134 Instrumental Fundamentals: Trumpet, French Horn (¼)

MU 135 Instrumental Fundamentals: Trombone, Tuba (¼)

MU 136 Instrumental Fundamentals: Mallets (¼)

MU 137 Instrumental Fundamentals: Drums (¼)

MU 138 Instrumental Fundamentals: Violin, Viola (¼)

MU 139 Instrumental Fundamentals: Cello, Bass (¼)

MU 170 Applied Voice or MU 175 Voice Class (two terms, ¼ each) if instrumental emphasis

MU 183 Introduction to Music Therapy Fieldwork (¼)

MU 184 Music Therapy Pre-Practicum (0)

MU 194 Functional Guitar Class (¼)

MU 196 Therapeutic Guitar Improvisation (¼)
 MU 209 General Music Methods PLUS
 MU 181 Field Experience (0)
 MU 210 Principles of Music Therapy
 MU 211 Therapeutic Ensemble Directing (½)
 MU 229 Voice Pedagogy I (½) (vocal majors only)
 MU 284 Music Therapy Practicum I (0)
 MU 285 Music Therapy Practicum II (0)
 MU 309 Choral and Instrumental Methods: Grades 5-12 PLUS
 MU 281 Field Experience (0)
 MU 312 Psychology of Music
 MU 313 Music and Behavior: Therapeutic Approaches
 MU 315 Music History I
 MU 316 Music History II
 MU 318 20th-Century Music
 MU 324 Conducting
 MU 330 Choral and Band Conducting and Literature
 MU 382 Music Therapy Practicum III (0)
 MU 383 Music Therapy Practicum IV (0)
 MU 405 Music Therapy Internship
 MU 410 Current Issues in Music Therapy (½)
 MU 485 Music Therapy Practicum V (0)
 PSY 224 Abnormal Psychology
 PSY 225 Life Span Human Development (or PSY 210 and PSY 211)
 PSY 321 Research Methods (or SW 321 Social Work Research)
 4¼ course credits in applied major
 One course credit in applied minor
 Basic piano skills test (non-keyboard)
 Basic guitar skills test
 Third-year recital (15 minutes)
 Fourth-year recital (30 minutes)
 Must participate in music ensemble each term

ENDORSEMENT (K-8)

7½ course credits:
 MU 105 Music Theory I
 MU 106 Music Theory II
 MU 301 Elementary School Music Methods (½)
 MU 315 Music History I
 MU 316 Music History II
 MU 324 Conducting
 One course credit in piano
 One course credit in voice or a non-keyboard instrument

Physical Education

PHYSICAL EDUCATION (K-12)

10 course credits:
 Any BI 202 prerequisite
 BI 202 Human Anatomy and Physiology
 PE 140 Foundations of Physical Education and Sport (½)
 PE 155 Care and Prevention of Athletic Injuries
 PE 210 Motor Learning (½)
 PE 252 Physical Education for Elementary Grades
 PE 254 Physiology of Exercise
 PE 351 Kinesiology (½)
 PE 352 Administration of Physical Education (½)
 PE 353 Tests and Measurements of Physical Education (½)
 PE 354 Adaptive Physical Education and Fitness for Diverse Learners (½)
 PE 356 Strength and Conditioning (½)
 PE 470 Secondary Content Methods: Physical Education

One coaching theory course (½)
 Student teaching at both elementary and secondary levels

ENDORSEMENT IN PHYSICAL EDUCATION (K-8)

7 course credits:
 Any BI 202 prerequisite
 BI 202 Human Anatomy and Physiology
 PE 140 Foundations of Physical Education and Sport (½)
 PE 155 Care and Prevention of Athletic Injuries
 PE 210 Motor Learning (½)
 PE 252 Physical Education for Elementary Grades
 PE 254 Physiology of Exercise
 PE 353 Tests and Measurement (½)
 PE 354 Adapted Physical Education and Fitness for Diverse Learners (½)

ENDORSEMENT IN PHYSICAL EDUCATION (5-12)

7½ course credits:
 Any BI 202 prerequisite
 BI 202 Human Anatomy and Physiology
 PE 155 Care and Prevention of Athletic Injuries
 PE 210 Motor Learning (½)
 PE 254 Physiology of Exercise
 PE 351 Kinesiology (½)
 PE 352 Administration of Physical Education (½)
 PE 353 Tests and Measurements (½)
 PE 354 Adaptive Physical Education and Fitness for Diverse Learners (½)
 PE 470 Secondary Content Methods: Physical Education

COACHING ENDORSEMENT

2 course credits:
 PE 155 Care and Prevention of Athletic Injuries
 PE 200 Coaching Authorization

Physics

TEACHING MAJOR (5-12)

14 course credits:
 PHY 203 Classical Physics I
 PHY 204 Classical Physics II (or in special cases PHY 101 General Physics I, PHY 102 General Physics II)
 PHY 207 Modern Physics
 PHY 460 Perspectives in Physics
 PHY 470 Secondary Content Methods: Science
 CH 113 Principles of Chemistry I
 CH 114 Principles of Chemistry II
 MA 250 Applied Calculus
 MA 251 Foundational Differential Calculus (½)
 MA 252 Foundational Integral Calculus (½)
 MA 255 Multivariable Calculus
 Four PHY elective course credits numbered 300 or above (PHY 399 does not count toward this requirement and only one credit counts from PHY 371, PHY 372 or PHY 455/PHY 456) or CH 315 Quantum Chemistry or CH 316 Chemical Thermodynamics and Kinetics

ENDORSEMENT (5-12)

7 course credits:
 PHY 101 General Physics I
 PHY 102 General Physics II (or PHY 203 Classical Physics I, PHY 204 Classical Physics II)

PHY 207 Modern Physics
PHY 470 Secondary Content Methods: Science
Three course credits from PHY 170 Astronomy, any PHY elective course numbered 300 or above (PHY 399 does not count toward this requirement and only one credit counts from PHY 371, PHY 372, or PHY 455/PHY 456) or CH 315 Quantum Chemistry or CH 316 Chemical Thermodynamics and Kinetics

ALL-SCIENCE ENDORSEMENT

Add the following 7 course credits to the Physics Teaching Major:

BI 151 Ecosystems, Cells and Evolution

BI 152 Phylogeny, Structure and Function

One biology course credit from

BI 202 Human Anatomy and Physiology

BI 204 Conservation of Natural Resources

BI 209 Ecology

BI 305 Microbiology

OR

BI 101 Concepts of Biology or BI 131 Biology of Ordinary Things

BI 117 Environmental Biology

BI 202 Human Anatomy and Physiology

One chemistry course credit from

CH 205 Introduction to Organic Chemistry

CH 211 Organic Chemistry I

CH 217 Analytical Chemistry

Three physics course credits

PHY 120 Science of Water

PHY 132 Earth Science

PHY 170 Astronomy

MINOR ENDORSEMENT FOR SCIENCE TEACHING MAJORS (5-12)

4 course credits:

PHY 101 General Physics I

PHY 102 General Physics II (or PHY 203 Classical Physics I,

PHY 204 Classical Physics II)

PHY 207 Modern Physics

One course credit from PHY 170 Astronomy, any PHY elective course numbered 300 or above (PHY 399 does not count toward this requirement and only one credit counts from PHY 371, PHY 372 or PHY 455/PHY 456)

Psychology

TEACHING MAJOR (5-12)

11 course credits:

PSY 101 Introduction to Psychology

PSY 321 Research Methods and Data Analysis

PSY 421 Advanced Research Methods and Data Analysis

ED 470 Secondary Content Methods: Social Studies

Four course credits from

BI/PSY 135 Biology of the Mind

PSY 222 Learning, Memory, and Cognition

PSY 224 Abnormal Psychology

PSY 225 Life Span Human Development

PSY 240 Social Psychology

PSY 314 Psychological Tests and Measurements

One course credit from

PSY 270 Perspectives in Psychology I (½) and PSY 470

Perspectives in Psychology II (½)

PSY 422 Advanced Human Learning

PSY 423 Advanced Social Psychology

PSY 424 Advanced Clinical Psychology

PSY 425 Advanced Human Development

Two PSY elective course credits of which one course credit is a 300 or 400 psychology course (excluding PSY 381 Field Experience).

ENDORSEMENT (5-12)

8 course credits:

ED 470 Secondary Content Methods: Social Studies

PSY 101 Introduction to Psychology

PSY 321 Research Methods and Data Analysis

Four course credits from

BI/PSY 135 Biology of the Mind

PSY 222 Learning, Memory, and Cognition

PSY 224 Abnormal Psychology

PSY 225 Life Span Human Development

PSY 240 Social Psychology

PSY 314 Psychological Tests and Measurements

One course credit from

PSY 270 Perspectives in Psychology I (½) and PSY 470

Perspectives in Psychology II (½)

PSY 422 Advanced Human Learning

PSY 423 Advanced Social Psychology

PSY 424 Advanced Clinical Psychology

PSY 425 Advanced Human Development

MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

5 course credits:

PSY 101 Introduction to Psychology

PSY 321 Research Methods and Data Analysis

Three course credits from

BI/PSY 135 Biology of the Mind

PSY 222 Learning, Memory, and Cognition

PSY 224 Abnormal Psychology

PSY 225 Life Span Human Development

PSY 240 Social Psychology

PSY 314 Psychological Tests and Measurements

ALL SOCIAL SCIENCE ENDORSEMENT

17½ course credits

Requirements available from the Education Department.

Reading

ENDORSEMENT (K-8)

9½ course credits:

CA 112 Oral Communication (½)

ED 210 Children's Literature

ED 223 Language Development

ED 321 Reading in the Elementary School PLUS

ED 385 Field Experience: Elementary School Reading (0)

ED 323 Diagnostic Reading

ED 324 Remedial Reading

ED 350 Content Area Reading Strategies

ED 390 Research in Reading

EN 112 Intermediate Composition

PSY 314 Psychological Tests and Measurements

ENDORSEMENT (5-12)

8½ course credits:

CA 112 Oral Communication (½)

ED 223 Language Development
ED 323 Diagnostic Reading
ED 324 Remedial Reading
ED 350 Content Area Reading Strategies
ED 390 Research in Reading
EN 112 Intermediate Composition
EN 331 Structure of English
PSY 314 Psychological Tests and Measurements

Science

ENDORSEMENT (K-8)

7 course credits:
BI 120 Science of Water
SCI 385 Elementary School Science Methods
Three courses from
PHY 101 General Physics I
PHY 102 General Physics II
PHY 130 Physics of Ordinary Things
CH 190 Environmental Chemistry
One course credit from
BI 101 Concepts of Biology
BI 117 Environmental Biology
BI 131 Biology of Ordinary Things
BI 151 Ecosystems, Cells and Evolution
One course credit from
PHY 132 Earth Science
PHY 170 Astronomy

ENDORSEMENT (5-12)

7 course credits:
Two BI courses
BI 101 Concepts of Biology or BI 131 Biology of Ordinary Things
BI 117 Environmental Biology or BI 202 Human Anatomy and Physiology
Two CH courses (not CH 130 Hot Topics in Science and Medicine)
PHY 101 General Physics I or PHY 203 Classical Physics I
One PHY elective course credit (not PHY 150 Science for Society)
BI 470, CH 470, or PHY 470 Secondary Content Methods: Science

Social Studies

ENDORSEMENT (K-8)

7 course credits:
HI 109 American History to 1877
HI 110 American History Since 1877
PS 101 Introduction to American Politics
One course credit in European or non-Western history
Three course credits in American government, economics, geography, history, psychology, or sociology (at least one from a field other than history or American government)

Sociology

TEACHING MAJOR (5-12)

10 course credits:
ED 470 Secondary Content Methods: Social Studies
SO 101 Introduction to Sociology
SO 302 Communities
SO 321 Research Methods and Data Analysis
SO 422 Field Sociology

Five course credits from
SO 225 Race and Ethnicity in America
SO 240 Social Psychology
SO 270 Social Problems
SO 316 Sociology of the Family
SO/WS 380 Women in Cross-Cultural Perspective
SO 402 Global Communities

ENDORSEMENT (5-12)

8 course credits:
ED 470 Secondary Content Methods: Social Studies
SO 101 Introduction to Sociology
SO 302 Communities
SO 321 Research Methods and Data Analysis
Four course credits from
SO 225 Race and Ethnicity in America
SO 240 Social Psychology
SO 270 Social Problems
SO 306 Social Gerontology
SO 316 Sociology of the Family
SO 335 Juvenile Delinquency
SO 380 Women in Cross-Cultural Perspective
SO 402 Global Communities
SO 422 Field Sociology

MINOR ENDORSEMENT FOR SOCIAL SCIENCE TEACHING MAJORS (5-12)

6 course credits:
SO 101 Introduction to Sociology
SO 302 Communities
SO 321 Research Methods and Data Analysis
Three course credits from
SO 225 Race and Ethnicity in America
SO 240 Social Psychology
SO 270 Social Problems
SO 306 Social Gerontology
SO 316 Sociology of the Family
SO 335 Juvenile Delinquency
SO 380 Women in Cross-Cultural Perspective
SO 402 Global Communities

Spanish

TEACHING MAJOR (5-12)

12 course credits:
FL 470 Secondary Content Methods: Foreign Language
SP 204 Intermediate Spanish I
SP 206 Intermediate Spanish II or SP 311 Cultural History of Spain
SP 260 May Term Abroad: Hispanic Culture I (½)
SP 261 May Term Abroad: Intensive Spanish I
SP 304 Spanish Tutoring (½)
Three course credits from
FL 350 Topics in Comparative Cultures
SP 311 Cultural History of Spain
SP 312 Cultural History of Latin America
SP 315 Latinos in the United States
SP 316 Hispanic Women
SP 317 Cinemas of Latin America
SP 320 Spanish Language and Composition
SP 326 Spanish Phonetics and Pronunciation
SP 461 Perspectives in Hispanic Culture

Third-Year Study Abroad (one or two semesters; maximum 4 course credits)

Regardless of where students are placed initially in Spanish, they must complete the required 12 course credits for the teaching major in Spanish.

ENDORSEMENT (K-8)

7 course credits:

ED 455 Special Methods: Foreign Language (Elementary) (½)
SP 104 Elementary Spanish I
SP 106 Elementary Spanish II
SP 204 Intermediate Spanish I
SP 206 Intermediate Spanish II or SP 311 Cultural History of Spain
SP 260 May Term Abroad: Hispanic Culture I (½)
SP 261 May Term Abroad: Intensive Spanish I

One course credit from

SP 311 Cultural History of Spain
SP 312 Cultural History of Latin America
SP 315 Latinos in the United States
SP 316 Hispanic Women
SP 317 Cinemas of Latin America
SP 320 Spanish Language and Composition
SP 326 Spanish Phonetics and Pronunciation

Students are placed initially according to proficiency level and must then accumulate a total of seven credits. It is recommended that students enroll in Spanish courses most of their four years.

ENDORSEMENT (5-12)

7 course credits:

FL 470 Secondary Content Methods: Foreign Language
SP 204 Intermediate Spanish I
SP 206 Intermediate Spanish II
SP 260 May Term Abroad: Hispanic Culture I (½)
SP 261 May Term Abroad: Intensive Spanish I

Two or more course credits from

SP 311 Cultural History of Spain
SP 312 Cultural History of Latin America
SP 315 Latinos in the United States
SP 316 Hispanic Women
SP 317 Cinemas of Latin America
SP 320 Spanish Language and Composition
SP 326 Spanish Phonetics and Pronunciation

Remaining course credits from

FL 350 Topics in Comparative Cultures
SP 265 Term Abroad: Hispanic Culture II (½)
SP 266 Term Abroad: Intensive Spanish II

Students are placed initially according to proficiency level and must then accumulate a total of seven credits.

Speech - Communication - Theatre

ENDORSEMENT (K-8 OR 5-12)

7½ course credits:

CA 100 Introduction to Communication Arts
CA 112 Oral Communication (½)
CA 204 Changing World of Electronic Media
CA 355 Persuasive Communication
ED 320 Teaching Language Arts (K-8 endorsement)
ED 470 Secondary Content Methods: English/Journalism (5-12 endorsement)
TH 150 Introduction to Theatre
TH 165 Acting I or TH 280 Oral Interpretation
TH 285 Stagecraft or TH 390 Directing