SECONDARY TEACHING

sESP.northwestern.edu/ugrad/secondary-teaching

SESP’s interdisciplinary secondary teaching concentration combines subject-area courses in a chosen field from Weinberg College—biological sciences, chemistry, economics, English, foreign languages (French, Latin, or Spanish), history, mathematics, physics, political science, or sociology—with courses in child and adolescent development, education theory and methods, and urban education. The program leads to an Illinois Professional Educator license as well as a bachelor of science and social policy degree. The degree is 42 units.

Similar to the other SESP concentrations, which have a four unit practicum in the junior year, secondary teaching students must complete a one-quarter student teaching internship in the senior year while enrolled in TEACH_ED 388-0 Student Teaching: Humanities or TEACH_ED 389-0 Student Teaching Seminar: Math/Science.

Weinberg College students who wish to pursue secondary teaching licensure must apply to the program by the fall of junior year and complete the requirements of the secondary teaching concentration. They also must complete the degree requirements of Weinberg College.

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.

Total requirements—42 units

Distribution requirements—11 units

Professional core—13 units

Teaching subject–area requirements—varies

Electives—7 or fewer as needed to complete the 42-unit degree requirement

Distribution Requirements (11 units)

- 1 oral communication course
- 2 natural sciences courses
- 2 formal studies courses (mathematics, logic, etc.)
- 2 historical studies courses
- 2 ethics and values courses (TEACH_ED 302-0 Social Contexts of Education will count as 1 of these)
- 2 literature and fine arts courses

Selected courses from Weinberg College and professional schools across the University fulfill distribution requirements.

Professional Core (13 units)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SESP 201-0</td>
<td>Human Development: Childhood and Adolescence</td>
</tr>
<tr>
<td>TEACH_ED 302-0</td>
<td>Social Contexts of Education</td>
</tr>
<tr>
<td>TEACH_ED 304-0</td>
<td>Seminar on Teaching: Introduction to Schooling in Communities</td>
</tr>
<tr>
<td>TEACH_ED 310-0</td>
<td>Foundations of Learning in a New Language</td>
</tr>
<tr>
<td>TEACH_ED 322-0</td>
<td>Content Area Reading and Writing</td>
</tr>
<tr>
<td>TEACH_ED 327-0</td>
<td>Educating Exceptional Children</td>
</tr>
</tbody>
</table>

1 methods and techniques course chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>TEACH_ED 355-0</td>
<td>Methods &amp; Techniques: World Languages</td>
</tr>
<tr>
<td>TEACH_ED 356-0</td>
<td>Methods &amp; Techniques: English</td>
</tr>
<tr>
<td>TEACH_ED 357-0</td>
<td>Methods and Techniques: Secondary Mathematics</td>
</tr>
<tr>
<td>TEACH_ED 358-0</td>
<td>Methods and Techniques: Science</td>
</tr>
<tr>
<td>TEACH_ED 359-0</td>
<td>Methods &amp; Techniques: Social Science</td>
</tr>
</tbody>
</table>

1 middle grades methods course chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>TEACH_ED 366-0</td>
<td>Middle Grades Methods &amp; Techniques of Teaching: English</td>
</tr>
<tr>
<td>TEACH_ED 367-0</td>
<td>Middle Grades Methods &amp; Techniques of Teaching: Mathematics</td>
</tr>
<tr>
<td>TEACH_ED 368-0</td>
<td>Middle Grades Methods &amp; Techniques of Teaching: Science</td>
</tr>
<tr>
<td>TEACH_ED 369-0</td>
<td>Middle Grades Methods &amp; Techniques of Teaching: Social Sciences</td>
</tr>
</tbody>
</table>

1 practicum/seminar:

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>TEACH_ED 378-0</td>
<td>Theory and Practice of Teaching: Secondary Humanities</td>
</tr>
<tr>
<td>or TEACH_ED 379-0</td>
<td>Theory and Practice of Teaching: Secondary Math/Science</td>
</tr>
</tbody>
</table>

1 student teaching seminar (4 units):

<table>
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<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>TEACH_ED 388-0</td>
<td>Student Teaching: Humanities</td>
</tr>
<tr>
<td>or TEACH_ED 389-0</td>
<td>Student Teaching Seminar: Math/Science</td>
</tr>
</tbody>
</table>

1 PSYCH 244-0 Developmental Psychology for non-SESP students

Teaching Subject–Area Requirements (12–20.72 units)

Specific teaching subject–area courses prepare students to meet the requirements of the Illinois State Board of Education. Teaching subject–area requirements may differ from those of a departmental major, and departmental course offerings change frequently. Secondary teaching candidates must meet regularly with the secondary teaching adviser to ensure that requirements are met. In the event that courses listed here are no longer offered by the departments, suitable replacements will be found. Students are also responsible for any prerequisites.

Biological and Physical Sciences

Biological Sciences (20.72 units)

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ASTRON 101-0</td>
<td>Modern Cosmology</td>
</tr>
<tr>
<td>or ASTRON 120-0</td>
<td>Highlights of Astronomy</td>
</tr>
<tr>
<td>or ASTRON 220-0</td>
<td>Introduction to Astrophysics</td>
</tr>
<tr>
<td>BIOL_SCI 215-0</td>
<td>Genetics and Molecular Biology</td>
</tr>
<tr>
<td>CHEM 110-0</td>
<td>Quantitative Problem Solving in Chemistry</td>
</tr>
<tr>
<td>or CHEM 171-0</td>
<td>Advanced General Inorganic Chemistry</td>
</tr>
<tr>
<td>&amp; CHEM 181-0</td>
<td>and Advanced General Inorganic Chemistry Laboratory</td>
</tr>
<tr>
<td>EARTH 201-0</td>
<td>Earth Systems Revealed</td>
</tr>
<tr>
<td>PHYSICS 130-1</td>
<td>College Physics</td>
</tr>
<tr>
<td>&amp; PHYSICS 130-2</td>
<td>and College Physics</td>
</tr>
<tr>
<td>&amp; PHYSICS 130-3</td>
<td>and College Physics</td>
</tr>
<tr>
<td>&amp; PHYSICS 136-1</td>
<td>and General Physics Laboratory</td>
</tr>
<tr>
<td>&amp; PHYSICS 136-2</td>
<td>and General Physics Laboratory</td>
</tr>
<tr>
<td>&amp; PHYSICS 136-3</td>
<td>and General Physics Laboratory</td>
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</tbody>
</table>

7 core science courses plus labs:

<table>
<thead>
<tr>
<th>Course</th>
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</table>

Secondary Teaching
or PHYSICS 135-1 General Physics
& PHYSICS 135-2 and General Physics
& PHYSICS 135-3 and General Physics
& PHYSICS 136-1 and General Physics Laboratory
& PHYSICS 136-2 and General Physics Laboratory
& PHYSICS 136-3 and General Physics Laboratory

4 additional chemistry courses and required labs.
CHEM 131-0 General Chemistry 1
& CHEM 141-0 and General Chemistry Laboratory 1
CHEM 132-0 General Chemistry 2
& CHEM 142-0 and General Chemistry Laboratory 2
CHEM 210-1 Organic Chemistry
CHEM 210-2 Organic Chemistry

10 additional biological sciences courses:
BIOL_SCI 217-0 Physiology
BIOL_SCI 219-0 Cell Biology
BIOL_SCI 220-0 Genetics and Molecular Processes Laboratory
BIOL_SCI 221-0 Cellular Processes Laboratory
BIOL_SCI 222-0 Investigative Laboratory
BIOL_SCI 301-0 Principles of Biochemistry

1 chosen from:
BIOL_SCI 341-0 Population Genetics
BIOL_SCI 342-0 Evolutionary Processes
BIOL_SCI 391-0 Development and Evolution of Body Plans

1 chosen from:
BIOL_SCI 334-0 Soils and the Environment: The Earth’s Critical Zone
BIOL_SCI 336-0 Spring Flora
BIOL_SCI 339-0 Critical Topics in Ecology and Conservation
BIOL_SCI 347-0 Conservation Biology
BIOL_SCI 349-0 Plant Community Ecology
BIOL_SCI 350-0 Plant Evolution and Diversity Lab

2 additional 300-level biological sciences courses (SESP students)¹

¹ For Weinberg College students: additional courses as needed to meet requirements for the major.

• Students must meet the math prerequisites for science courses, including but not limited to MATH 220-1 Single-Variable Differential Calculus, MATH 220-2 Single-Variable Integral Calculus, MATH 226 and statistics.

Chemistry (19.38 units)

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<td>or ASTRON 220-0</td>
<td>Introduction to Astrophysics</td>
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<tr>
<td>BIOL_SCI 164-0</td>
<td>Genetics and Evolution</td>
</tr>
<tr>
<td>or BIOL_SCI 215-0</td>
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<td>Laboratory</td>
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<tr>
<td>&amp; PHYSICS 136-3</td>
<td>and General Physics Laboratory</td>
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</tbody>
</table>

10 additional chemistry courses and required labs:
CHEM 131-0 General Chemistry 1
& CHEM 141-0 and General Chemistry Laboratory 1
or CHEM 172-0 Advanced General Physical Chemistry
& CHEM 182-0 and Advanced General Physical Chemistry Laboratory
CHEM 132-0 General Chemistry 2
& CHEM 142-0 and General Chemistry Laboratory 2
CHEM 210-1 Organic Chemistry
CHEM 210-2 Organic Chemistry
& CHEM 230-2 and Organic Chemistry Lab I
CHEM 210-3 Organic Chemistry
& CHEM 230-3 and Organic Chemistry Lab II
CHEM 220-0 Introductory Instrumental Analysis
CHEM 342-1 Thermodynamics

3 additional 300-level chemistry courses, including at least 1 from:
CHEM 333-0 Inorganic Chemistry
CHEM 342-2 Quantum Mechanics and Spectroscopy
CHEM 342-3 Kinetics and Statistical Thermodynamics
CHEM 350-1 Advanced Laboratory 1
CHEM 350-2 Advanced Laboratory 2
CHEM 350-3 Advanced Laboratory 3
CHEM 393-0 Green Chemistry

• Students must meet the math prerequisites for science courses.

Physics (15.02 units)

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<td>and General Physics Laboratory</td>
</tr>
<tr>
<td>&amp; PHYSICS 136-3</td>
<td>and General Physics Laboratory</td>
</tr>
</tbody>
</table>

4 additional physics courses:
PHYSICS 239-0 Foundations of Modern Physics
PHYSICS 330-1 Classical Mech
PHYSICS 332-0 Statistical Mechanics
PHYSICS 333-1 Advanced Electricity & Magnetism

3 additional physics including at least 2 at the 300 level
Students are responsible for all math prerequisites, including:
MATH 220-1 Single-Variable Differential Calculus
MATH 220-2 Single-Variable Integral Calculus
MATH 226-0 Sequences and Series
MATH 230-1 Multivariable Differential Calculus
MATH 230-2 Multivariable Integral Calculus
MATH 240-0 Linear Algebra
MATH 250-0 Elementary Differential Equations
French (14 units)

Course | Title
---|---
ENGLISH 210-1 | British Literary Traditions and British Literary Traditions or ENGLISH 270-1 American Literary Traditions & ENGLISH 270-2 American Literary Traditions
ENGLISH 300-0 | Seminar in Reading and Interpretation
TEACH_ED 324-0 | Critical Issues in Literacy

8 literature courses, including at least 5 at the 300 level:

2 American literature courses 4 additional literature courses, including 1 non-Western literature course or US racial minority literature course.

1 course chosen from:

LING 220-0 Language and Society  LING 221-0 Language and Prejudice  LING 250-0 Sound Patterns in Human Language  LING 260-0 Formal Analysis of Words & Sentences  LING 270-0 Meaning  LING 311-0 Child Language  LING 321-0 Bilingualism  LING 341-0 Language Typology  LING 342-0 Structure of Various Languages  ENGLISH 206-0 Reading & Writing Poetry

or a poetry course

Latin (14 units)

Course | Title
---|---
CLASSICS 211-0 | Greek History and Culture: From Homer to Alexander the Great
CLASSICS 212-0 | Rome: Culture and Empire
CLASSICS 395-0 | Research Seminar

9 additional courses with at least 4 at the 300 level including:

3 courses in Latin literature (201-3 or higher) 6 200- or 300-level Latin, Greek, or Classics courses

TEACH_ED 328-0 Dynamics of Middle School Curriculum  TEACH_ED 329-0 Early Adolescent Development and Intervention

Spanish (14 units)

Course | Title
---|---
SPANISH 203-0 | Individual and Society through Written Expression (or AP placement) 1
or SPANISH 207-0 Spanish for Heritage Speakers
SPANISH 204-0 | Reading and Writing the Art of Protest
SPANISH 208-0 | Spanish and the Community
SPANISH 220-0 | Introduction to Literary Analysis

3 literature courses chosen from:

SPANISH 250-0 | Literature in Spain before 1700
SPANISH 251-0 | Literature in Spain since 1700
SPANISH 260-0 | Literature in Latin America before 1888
SPANISH 261-0 | Literature in Latin America since 1888

3 Latin American/Latin-x culture and civilization courses at the 300 level

2 300-level literature courses taught in Spanish

TEACH_ED 328-0 Dynamics of Middle School Curriculum  TEACH_ED 329-0 Early Adolescent Development and Intervention

Students must earn a score of upper-intermediate or higher on the ACTFL OPI for licensure.

1 1 additional Spanish course if the SPANISH 203-0 Individual and Society through Written Expression or SPANISH 207-0 Spanish for Heritage Speakers prerequisite was met through AP placement.

Mathematics

Mathematics (12 units)

Course | Title
---|---
MATH 220-1 | Single-Variable Differential Calculus
MATH 220-2 | Single-Variable Integral Calculus
MATH 226-0 | Sequences and Series
MATH 230-1 | Multivariable Differential Calculus
MATH 230-2 | Multivariable Integral Calculus

Additional required courses:

MATH 240-0 | Linear Algebra
MATH 300-0 | Foundations of Higher Mathematics

1 probability and statistics course chosen from:

MATH 310-1 | Probability and Stochastic Processes
SESP 210-0 | Introduction to Statistics and Research Methodology
STAT 210-0 | Introductory Statistics for the Social Sciences
TEACH_ED 373-0 | Topics in High School Math

One geometry course chosen from:
History (15 units)

- Students enrolled in MENU (Mathematical Experience for Northwestern Undergraduates) courses should consult with their SESP advisers to determine course equivalencies.

No more than 1 AP credit may be counted toward any of the above requirements.

7 additional courses, including at least 5 at the 300 level:

2 non-Western civilization courses such as:

- History 210-1 & History 210-2: History of the United States, Precolonial to the Civil War
- History 210-1 & History 210-2: History of the United States, Reconstruction to the Present

Social Sciences

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>History 250-1 &amp; History 250-2</td>
<td>Global History: Early Modern to Modern Transition and Global History: The Modern World</td>
</tr>
<tr>
<td>or History 201-1 &amp; History 201-2</td>
<td>European Civilization: High Medieval Thru Mid-18th C and European Civilization: Mid-18th C to Present</td>
</tr>
<tr>
<td>History 210-1 &amp; History 210-2</td>
<td>History of the United States, Precolonial to the Civil War and History of the United States, Reconstruction to the Present</td>
</tr>
</tbody>
</table>

7 additional courses, including at least 5 at the 300 level:

- History 210-1 & History 210-2: History of the United States, Precolonial to the Civil War and History of the United States, Reconstruction to the Present

Political Science (17 units)

- Weinberg College students: political science majors complete a minor in history (7 units) or take 7 history courses, including 4 in US history.

No more than 1 AP credit may be counted toward any of the above requirements.

4 courses to meet related core requirements in social sciences; no more than 1 may be met by AP credit:

- History 201-0: Introduction to Macroeconomics
- History 202-0: Introduction to Microeconomics
- History 203-0: Introduction to Comparative Politics
- History 204-0: Introduction to Political Theory

3 additional courses

No more than 1 AP credit may be counted toward any of the above requirements.

4 courses to meet related core requirements in social sciences; no more than 1 may be met by AP credit:

- History 201-0: Introduction to Macroeconomics
- History 202-0: Introduction to Microeconomics
- History 203-0: Introduction to Comparative Politics
- History 204-0: Introduction to Political Theory

5 additional courses

- History 201-0: Introduction to Macroeconomics
- History 202-0: Introduction to Microeconomics
- History 203-0: Introduction to Comparative Politics
- History 204-0: Introduction to Political Theory

Economics (17 units)

10 economics courses:

- Introduction to Macroeconomics
- Introduction to Microeconomics
- Introduction to Applied Econometrics
- Microeconomics
- Macroeconomics

4 additional economics courses

- SESP students: complete a minor in US history (7 units)
- Weinberg College students: economics majors complete a minor in US history (7 units) or 7 history courses, including 4 in US history.
Sociology (17 units)

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>ANTHRO 105-0</td>
<td>Evolution and Social Behavior: The Basics</td>
</tr>
<tr>
<td>or ANTHRO 211-0</td>
<td>Culture &amp; Society</td>
</tr>
<tr>
<td>SOCIOL 110-0</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>SOCIOL 226-0</td>
<td>Sociological Analysis</td>
</tr>
<tr>
<td>SOCIOL 303-0</td>
<td>Analysis and Interpretation of Social Data</td>
</tr>
<tr>
<td>or SOCIOL 329-0</td>
<td>Field Research and Methods of Data Collection</td>
</tr>
<tr>
<td>SOCIOL 306-0</td>
<td>Sociological Theory</td>
</tr>
</tbody>
</table>

- **SESP students**: complete a minor in U.S. history (7 units)
- **Weinberg College students**: sociology majors complete a minor in history (7 units) or take 7 history courses, including 4 in US history.

Recommended courses include:

<table>
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<tr>
<td>HISTORY 250-1 &amp; HISTORY 250-2</td>
<td>Global History: Early Modern to Modern Transition and Global History: The Modern World</td>
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<tr>
<td>or HISTORY 201-1 &amp; HISTORY 201-2</td>
<td>European Civilization: High Medieval thru Mid-18th C. and European Civilization: Mid-18th C. to Present</td>
</tr>
<tr>
<td>HISTORY 210-1 &amp; HISTORY 210-2</td>
<td>History of the United States, Precolonial to the Civil War and History of the United States, Reconstruction to the Present (recommended)</td>
</tr>
</tbody>
</table>

**Electives (varies)**

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.

**Teacher Preparation Program**

Students who wish to be licensed as teachers must apply to the SESP Teacher Preparation Program. This program is approved by the Illinois State Teacher Certification Board. Completion of the courses alone does not result in licensure, nor is licensure required for completion of the SESP degree.

**Application and Admission**

Students apply to the Teacher Preparation Program when enrolled in TEACH_ED 304-0 Seminar on Teaching: Introduction to Schooling in Communities or by the fall of the junior year. To be admitted, they must have received a passing score on the Illinois Certification Testing System (ICTS) Test of Academic Proficiency and have a minimum overall GPA of 2.5 and a minimum GPA of 3.0 in a humanities teaching subject-area course or an annually calculated and determined GPA in math or science subject-areas. Students must be eligible for entrance to the program no later than the end of fall quarter of the junior year. Students are required to attend meetings about the process.

**Clinical Experience**

Students in the Teacher Preparation Program complete three clinical experiences: a 30-hour nonschool experience (as part of TEACH_ED 304-0 Seminar on Teaching: Introduction to Schooling in Communities); a 100-hour practicum (typically during fall of the senior year); and student teaching (typically during winter of the senior year).

To be eligible for the 100-hour practicum, students must have met the GPA requirements for and been admitted to the Teacher Preparation Program and be on track to have completed a minimum of 9 courses in the teaching subject area by the end of the practicum term in order to be placed. Those meeting these requirements will be placed with a department or teacher mentor at a local school.

Clinical experiences gained at the site are central to the discussion of methods and theories in the practicum seminar (TEACH_ED 379-0 Theory and Practice of Teaching: Secondary Humanities or TEACH_ED 379-0 Theory and Practice of Teaching: Secondary Math/Science) and methodology courses (TEACH_ED 355-0 Methods & Techniques: World Languages–TEACH_ED 359-0 Methods & Techniques: Social Science).

To be eligible for student teaching, students must have successfully completed the applicable TEACH_ED 355-0 Methods & Techniques: World Languages–TEACH_ED 359-0 Methods & Techniques: Social Science course(s) as well as TEACH_ED 379-0 Theory and Practice of Teaching: Secondary Humanities or TEACH_ED 379-0 Theory and Practice of Teaching: Secondary Math/Science, earned a passing score on the applicable ICTS Content-Area Test, fulfilled minimum GPA requirements for student teaching, completed 9 teaching subject-area courses and have been recommended for continuation to student teaching. Most school districts also require a criminal background check.

Student teaching involves full-time placement in a local school for the entire quarter. Teacher candidates attend an evening seminar (TEACH_ED 388-0 Student Teaching: Humanities or TEACH_ED 389-0 Student Teaching Seminar: Math/Science). The internship and seminar together earn 4 units. No other courses are taken concurrently. Teacher candidates are evaluated by their school mentor, a Northwestern supervisor, and the seminar instructor.

**Other Licensure Requirements**

In addition to successful completion of student teaching, all teacher candidates must successfully complete the state-mandated performance assessment, edTPA.

Foreign language teacher candidates other than those in Latin are required to complete the Oral Proficiency Interview of the American Council on the Teaching of Foreign Languages with a rating of upper-intermediate-high or better.

**Recommendation for Licensure**

Students are recommended for licensure when they successfully complete degree requirements, earn a rating of recommendation for licensure for student teaching and pass all outside tests as noted above. Although legal requirements for licensure vary from state to state, the SESP Teacher Preparation Program is flexible enough to permit students who plan carefully to complete provisional requirements for most states. As it is easier to obtain a teaching license in another state through reciprocity than through independent certification, all students who complete the program are encouraged to apply for an Illinois license before leaving the state.

Students should apply for the license immediately upon graduation. Teacher Preparation Program graduates who are recommended but
do not apply for certification upon graduation may not be eligible for
certification at a later date due to changes in state requirements.

The Illinois School Code has provided that school districts may not
knowingly employ individuals who have been convicted of certain
offenses (principally those related to sex or drugs). All Illinois school
districts require applicants to submit to a criminal background check.

TEACH_ED 302-0 Social Contexts of Education (1 Unit) Societal
structures that organize, supply, and channel individual learning
experiences and how they provide the formal and informal settings in
which social interaction takes place, particularly in urban settings. How
participation in these socializing settings molds the development of
individuals' capacities and forms their goals. Taught with LRN_SCI 302-0;
may not receive credit for both courses.

TEACH_ED 304-0 Seminar on Teaching: Introduction to Schooling in
Communities (1 Unit) Action research methods— including observation/
field notes, interviewing, and artifact analysis—as means to understanding
how schools work and how theory and practice relate. Includes 30 hours
of field experience.

TEACH_ED 309-0 Speech & Communication in the School Environment
(1 Unit) Communication in the classroom and school environment
for teacher and student. Basic public speaking, interpersonal
communication, creating a positive climate for classroom discourse,
facilitating group activities.

TEACH_ED 310-0 Foundations of Learning in a New Language (1 Unit)
Historical, political, sociocultural, and educational practices that impact
linguistically and culturally diverse learners in American schools.

TEACH_ED 313-0 Problems in the Philosophy of Education (1 Unit)
Classical and modern philosophies of education. Text interpretation,
analysis of ideas, argument construction; relationship of philosophy to
educational issues. Students develop their own philosophy of education.

TEACH_ED 322-0 Content Area Reading and Writing (1 Unit) Theory and
practical methods of reading methodology to enable teacher candidates
to scaffold the literacy skills of English-language learners and students
not reading at grade level.

TEACH_ED 324-0 Critical Issues in Literacy (1 Unit) Continues on the
work in MS_ED 422-0 and TEACH_ED 322-0, delving deeply into critical
literacy issues.

TEACH_ED 327-0 Educating Exceptional Children (1 Unit) Students
with disabilities, including learning disabilities resulting from human
development and/or accidents; understanding and application
of approved emergency, educational, and rehabilitative activities;
interrelationships with medical, health, and educational personnel.

TEACH_ED 328-0 Dynamics of Middle School Curriculum (1 Unit)
Identifying and understanding the effects of middle school dynamics
(principles, structures, and practices) on classroom learning and
instruction. Focuses on the development and social problems of fifth
through eighth graders.

TEACH_ED 329-0 Early Adolescent Development and Intervention
(1 Unit) Interaction of physical, mental, and emotional health and
the surrounding social environment of middle school students;
developmental characteristics of early adolescence; the middle school
teacher's role in assessment and referral.

TEACH_ED 336-0 Instructional Design & Assessment (1 Unit) Students
will gain an overview of various approaches to curriculum design and
instructional models, and will investigate several kinds of assessments,
including formative and summative, and how those assessments are
linked to instructional design, teaching and learning. Opportunities will be
given to practice grading, providing good feedback, and managing a class
assessment system.

TEACH_ED 338-0 Learning and Teaching with Technology (1 Unit) Theory
and practice of designing school environments that integrate new
technologies and media. Taught with LRN_SCI 338-0; may not receive
credit for both courses.

TEACH_ED 351-0 Special Topics in Teacher Education (1 Unit) Advanced
work on special topics.

TEACH_ED 355-0 Methods & Techniques: World Languages (1 Unit)
Analysis of research, teaching methodologies, and literature related to the
content area. Focuses on learning experiences, methods, and educational
techniques appropriate for elementary, middle school, and high school
students. Concurrent registration in TEACH_ED 378-0 or TEACH_ED 379-0
required.

TEACH_ED 356-0 Methods & Techniques: English (1 Unit) Analysis of
research, teaching methodologies, and literature related to the content
area. Learning experiences, methods, and educational techniques
appropriate for high school students.

TEACH_ED 357-0 Methods and Techniques: Secondary Mathematics (1
Unit) See description for MS_ED 456-0.

TEACH_ED 358-0 Methods and Techniques: Science (1 Unit) See
description for MS_ED 456-0.

TEACH_ED 359-0 Methods & Techniques: Social Science (1 Unit) See
description for MS_ED 456-0.

TEACH_ED 366-0 Middle Grades Methods & Techniques of Teaching:
English (1 Unit)

TEACH_ED 367-0 Middle Grades Methods & Techniques of Teaching:
Mathematics (1 Unit)

TEACH_ED 368-0 Middle Grades Methods & Techniques of Teaching:
Science (1 Unit)

TEACH_ED 369-0 Middle Grades Methods & Techniques of Teaching:
Social Sciences (1 Unit)

TEACH_ED 373-0 Topics in High School Math (1 Unit) Content varies.

TEACH_ED 378-0 Theory and Practice of Teaching: Secondary
Humanities (1 Unit) Exploration of education theory in the seminar, plus
10 hours a week of fieldwork. Concurrent registration in the applicable
methods and techniques course (TEACH_ED 355-0-TEACH_ED 359-0)
required. Prerequisites: TEACH_ED 304-0 and passing score on the ILTS
Test of Academic Proficiency.

TEACH_ED 379-0 Theory and Practice of Teaching: Secondary Math/
Science (1 Unit) See description for MS_ED 478-0.

TEACH_ED 388-0 Student Teaching: Humanities (4 Units) Seminar and
accompanying fulltime, 10-week internship involving intensive clinical
experience and teaching under the supervision of a mentor. Prerequisites:
TEACH_ED 304-0; TEACH_ED 378-0 or TEACH_ED 379-0; applicable
course(s) from TEACH_ED 355-0-TEACH_ED 359-0; successful
completion of the practicum experience; passing score on the applicable
ILTS Content Area Test.

TEACH_ED 389-0 Student Teaching Seminar: Math/Science (4 Units)
See description for TEACH_ED 388-0.