Philosophy

The Department of Educational Studies at Swarthmore engages students in the investigation of educational theory, policy, research and practice from a variety of disciplinary perspectives. We prepare students to enter the teaching profession, to work in the areas of educational research or policy, and to do graduate study in Educational Studies or a related field. The Department encourages undergraduates to think critically and creatively about the processes of teaching and learning and about the place of education in society. The Department is also committed to preparing undergraduates to meet the needs of all students in an era of rapidly increasing racial, ethnic and linguistic diversity and technological change and to develop students' abilities to participate fully in civic, cultural and economic arenas. Both introductory and upper level courses in the Department draw on theory and research in Psychology, Sociology, Anthropology, Political Science, Economics and History. Students interested in Educational Studies at Swarthmore may complete the requirements for teacher certification and/or design a Special Major in Educational Studies and another discipline in either the course or honors program.

SPECIAL MAJORS

There is no major in Educational Studies but Special Majors with many other disciplines (e.g., Art, Biology, Computer Science, English, Linguistics, Music, Political Science, Psychology, Sociology/Anthropology) are regularly approved. Special Majors involving Educational Studies usually include ten to twelve credits, at least 5 of which must be in Educational Studies.

In the case of all Special Majors involving Educational Studies, both departments collaborate in advising the student, and a thesis or a comprehensive examination integrating work in the two fields is required. The prerequisite for all students doing Special Majors is Education 14, Introduction to Education. Normally the requirements of the major department are used in determining the nature of the senior comprehensive exercise. Education 16 and 17 will not usually be counted as part of a Special Major.

Students designing a Special Major in Biology and Educational Studies must take 6 courses in Biology including at least one course in each group (I, II, and III) and one course in Evolution. In addition to the six Biology courses, students will take Introductory Chemistry, at least one semester of Organic Chemistry, and two semesters of college Mathematics (not Stat 1 or Math 3) or Calculus II (Math 23 or 25), and will write a thesis to be supervised by faculty in the Biology and Educational Studies departments.
Students designing a Special Major in *English Literature and Educational Studies* must take 5-6 credits in English including a W course, at least one course in pre-1830 literature and at least one in post-1830 literature. Students will normally do a one credit thesis or Senior Essay supervised in both English Literature and Educational Studies.

Students designing a Special Major in *History and Educational Studies* must take six courses in History including one class in a field other than United States or Europe. One of the courses must be History 91 (fulfilling the senior comprehensive requirement), or, with the permission of both departments, students can complete a two-semester, two credit thesis. Students will work with both an Educational Studies faculty member and the History 91 instructor to complete their one-credit senior research paper or the two-credit thesis.

Students designing Special Majors in *Linguistics and Educational Studies* are expected to complete six Linguistics courses, including a course or seminar in each of the following fields: Sounds, Forms, and Meanings. Students also write a two-credit thesis, one credit usually done in the fall through LING100 and one credit in the spring as EDUC97, which integrates their study in Educational Studies and Linguistics.

Students designing a Special Major in *Mathematics/Statistics and Educational Studies* are required to take seven courses in mathematics including either math 63 or 67 and one more course numbered above 44. Students will complete a one credit thesis or project supervised in both Educational Studies and Mathematics.

Students designing a Special Major in *Music and Educational Studies* take a total of twelve credits in Music and Educational Studies. Required courses include Music 11 and 12, Music and Dance 91, a musical repertory course, Education 14 and Education 21. Students must also choose two of the following: Music 18, Senior comprehensive exam, Senior thesis, a service learning project. The other courses are negotiated on an individual basis to meet the student’s interests.

Students designing Special Majors in *Political Science and Educational Studies* are expected to take five to six Political science courses including one in each of the following groups: American politics, comparative or international politics, and political theory (either POLS 11 or 12). Students do either an oral thesis or a one or two credit written thesis, which integrates their study in Educational Studies and Political Science.

Students designing Special Majors in *Psychology and Educational Studies* are expected to take six Psychology courses including three core courses in Psychology (courses numbered in the 30’s) and one of which is PSYC25, Research Design and Analysis. Students also complete either an integrated comprehensive project (PSYCH 98) or a two credit interdisciplinary thesis. Those students who plan to do both student teaching and a double credit thesis need to begin thesis work during the spring of their junior year, complete the thesis in the fall, and student teach in the spring of their senior year.

Students designing Special Majors in *Sociology-Anthropology and Educational Studies* must take Sociology/Anthropology 012M, Exemplary Studies, and are expected to do a double credit thesis. Students who will also complete the requirements for teacher
certification must 1) do their thesis during the spring of their junior year and one semester of their senior year or 2) do a large part of the thesis during the summer between junior and senior years and finish the thesis during the semester they do not student teach.

MINORS

The Department of Educational Studies supports two kinds of minors:

- **Teaching and field-based minor.** Students complete at least five Educational Studies credits that focus on educational practice and the integration of theory and practice in school placements. This minor will normally be done in conjunction with teacher certification. The credits that comprise this minor are Educational Psychology, Curriculum and Methods seminar, Practice Teaching (two credits) and one of the following: Teaching Young Diverse Learners, Adolescence or Psychology and Practice.

- **Educational Studies minor.** Students take at least five credits in discipline-based Educational Studies courses. For this minor, students identify a focus and describe how two or more of the courses or seminars they propose for the minor are related to this focus. Possible foci include but are not limited to educational policy, educational psychology, school and society, urban education, environmental education, literacy, gender and education, and special education. Education 16 and 17 will not count toward an Educational Studies minor.

Foreign Study

Students requesting credit in Educational Studies for course or fieldwork done abroad (or at another institution in the United States) must take at least one course in Educational Studies at Swarthmore. This course may be taken before or after study abroad. The Department of Educational Studies sponsors a study abroad program at the Cloud Forest School in Costa Rica, through which students can do a school-based internship and get credit in both Education and Modern Languages. Please see the Department Chair for tentative approval of credit before doing any Foreign Study programs.

Concentrations

Specific courses in Educational Studies can be used to meet requirements in Black Studies, Environmental Studies, Public Policy and Women’s Studies. Please see the course listings for each concentration, or consult with the Program coordinator.
HONORS PROGRAM

Educational Studies offers an Honors Program both as part of a Special Major and as a Minor.

**Special Majors in Honors**

Educational Studies offers a Special Major Honors option in conjunction with English, Linguistics, Political Science, Psychology and Sociology/Anthropology (and other departments with the approval of both Educational Studies and the second department). Special Major Honors programs will involve one and a half to three two-credit preparations in Educational Studies. The following options are possible: two and a half preparations in Educational Studies and one and a half in the other discipline, or one and a half preparations in Educational Studies and two and a half in the other discipline. (All special majors do a double credit thesis that integrates the two disciplines; the thesis receives one credit from each department.) Students applying to do Honors work as part of a Special Major must have taken Introduction to Education and at least two other Educational Studies courses and have an average grade of B+ in their Educational Studies courses before they will be accepted to the program.

**Special Major Honors preparations in Educational Studies will consist of the following:**

- **Thesis.** In every case the Special Major Honors program will involve a two-credit thesis. This thesis will normally serve as the integrative piece of the Special Major, in which case the thesis will be supervised and read by faculty members in Education and the other department.

- **Two-credit Educational Studies seminar.** In order to enroll in seminars, students need to take Introduction to Education and at least one of a specified list of Educational Studies courses as prerequisites. Each seminar has its own list of prerequisites.

- **One-credit Educational Studies course, plus one-credit attachment or one credit seminar.** These preparations are designed by the student and a supervising faculty member.

**Honors Minors**

Students completing a Minor in Educational Studies will complete a total of five credits in Educational Studies, including Introduction to Education, two other Educational Studies courses and one of the following options. They will also be expected to have a B+ average in their Educational Studies courses.

**Honors Minor preparations include:**

- A two-credit seminar. In the case of the Minor, students will be expected to do three courses in Educational Studies as prerequisites for taking a seminar, including Introduction to Education and any elective course(s) required for each seminar.
A one-credit Educational Studies course and a one-credit attachment or one credit seminar. Students choosing this option will have taken Introduction to Education and at least two other courses in Educational Studies in addition to the course and attachment.

All Honors students (majors and minors) in Educational Studies write a short intellectual autobiography that is submitted to the honors examiner. No credit is attached to this paper, which is completed in the spring of the senior year.

External Exams

The External Exams will take one of two forms:

- Two-credit Thesis and Oral Exam. The thesis will be sent to the examiner in April and students will participate in an hour-long oral exam in May. All examiners in the student's Special Major program will be invited to participate in the oral exam, if they desire.

- Analytic essay. In April, after having received a copy of the syllabus for the two-credit preparations, examiners prepare an essay exam based on the syllabus. As part of this process, they may send the students in the Educational Studies seminar or course/attachment a problem set, a case and/or additional readings relevant to the work they have undertaken in that preparation. In their written exam, students respond to the problem set or case materials in one or more of the essays.

All Educational Studies honors exams will be written in the Educational Materials Center. Students may have notes on the case or problem set with them while they are writing and may write for up to five hours. A 30-45 minute oral exam will follow in May.
COURSE AND SEMINAR OFFERINGS: 2009-2010, 2010-2011

Educational Studies anticipates that the following elective courses and Honors seminars will be offered during the 2009-2010 and 2010-2011 academic years. *This is a tentative list; some elective and seminar offerings may be changed.*

**Fall 2009**
- Introduction to Education
- Comparative Education
- Educational Psychology
- Language Minority Education
- Urban Education
- Practice Teaching
- Curriculum and Methods

**Fall 2010**
- Introduction to Education
- Educational Psychology
- Identities and Education
- Urban Education
- Social and Cultural Perspectives (honors seminar)
- Teaching Diverse Young Learners
- Practice Teaching
- Curriculum and Methods

**Spring 2010**
- Introduction to Education
- Adolescence
- Educational Policy (honors seminar)
- Literacies
- Psychology and Practice (honors seminar)
- Special Education
- Practice Teaching
- Curriculum and Methods

**Spring 2011**
- Introduction to Education
- Adolescence
- Educational Policy
- Community Organizing (honors seminar)
- Language Minority Education
- Literacy and Numeracy Research (honors seminar)
- Practice Teaching
- Curriculum and Methods

All students enrolling in Educational Studies seminars must have completed Introduction to Education plus an additional elective in Educational Studies from those listed for the specific seminar(s) in which they wish to enroll and/or have permission of the instructor.

<table>
<thead>
<tr>
<th>Seminar</th>
<th>Requirements</th>
</tr>
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<tbody>
<tr>
<td>Community Organizing</td>
<td>Any Education course numbered in the 30's--60's; Urban Education highly recommended</td>
</tr>
<tr>
<td>Educational Policy</td>
<td>Any Education course numbered in the 30's--60's; Urban Education highly recommended</td>
</tr>
<tr>
<td>Literacy/Numeracy Policy and Practice</td>
<td>Any course in the 40’s-60’s; either Teaching Diverse Young Learners or Literacies and Social Identities is strongly recommended.</td>
</tr>
</tbody>
</table>
Psychology and Practice                     Educational Psychology
Social and Cultural Perspectives on Education Adolescence or any Education course numbered in the 30's-60's

Students wishing to do a course and attachment to fulfill one of their Honors preparations in Educational Studies need to consult with the professor of the course regarding appropriate prerequisites.

TEACHER CERTIFICATION

Swarthmore offers a competency-based teacher preparation program for students who seek secondary certification from the Commonwealth of Pennsylvania. Individual student programs are designed in conjunction with departmental representatives and members of the Educational Studies faculty. All students seeking certification must meet Swarthmore College's distribution requirements in the Humanities, Natural Sciences and Social Sciences and the requirements for a major or special major.

State requirements

Students in Pennsylvania must have completed 48 credit hours (or 12 Swarthmore College credits) to be admitted to the teacher certification program. In most cases, application for admission to the certification program is completed at the same time as the Sophomore Paper. In order to be certified, students must attain an overall grade point average of 3.0. Applicants admitted to the certification program must also present evidence of having completed six credit hours, or the equivalent, in college level Math courses and six credit hours, or the equivalent, in college level English courses before they graduate. In the case of the math requirement, courses outside of Mathematics/Statistics that fulfill the natural science division distribution requirements can be substituted. AP credit for scores of four or five in English Literature, English Composition, Calculus AB or AB/BC or Statistics will be accepted as the equivalent credit for one Swarthmore College course. Math scores of 560 or better on the SAT II Math Level 1C or IIC exam and scores of 600 or better on the Writing portion of the SAT reasoning exam will be accepted as the equivalent of three credit hours in the respective areas.

In order to be certified each candidate must pass the specific PRAXIS exams required by Pennsylvania for their certification area. Students normally take these exams while they are practice teaching.

Secondary Certification

Swarthmore College offers competency-based teacher certification programs, approved by the State of Pennsylvania, in Biology, Chemistry, Citizenship (for History, Economics and Political Science majors), English, French, German, Mathematics, Physics, Spanish, Social Science (for Psychology and Sociology/Anthropology majors), and Social Studies.
In order to be certified, students must complete a major or its equivalent in their area of certification and take a total of seven course credits in Educational Studies, including:

- Introduction to Education, Education 14
- Educational Psychology, Education/Psychology 21
- Adolescence, Education/Psychology 23
- Special Education 26 (or equivalent hours) and Special Education field work
- Language Minority Education 53 (or equivalent hours)
- Practice Teaching, Education 16 (2 credits); Curriculum and Methods, Education 17
- An additional elective course from the Educational Studies offerings numbered in the 20's-60's.

Introduction to Education, Education 14, should be taken by the end of sophomore year, if at all possible. We will not formally admit students to the teacher certification program until they have completed this course. Practice Teaching, Education 16, and the Curriculum and Methods Seminar, Education 17, are regularly taken first or second semester senior year, or in a ninth semester after graduation. Students preparing for certification must attain a grade point average of B or above; in order to do Practice Teaching, they must have at least a B- in Introduction to Education and the recommendation of all Educational Studies faculty who have taught them.

As part of the certification program, students practice teach for a minimum of twelve weeks and receive weekly supervision from a college faculty member. Placement for practice teaching is available in a range of public (urban and suburban) and private schools, including several Friends schools, in the Philadelphia area.

**Elementary Certification**

Certification in Elementary Education is not offered by Swarthmore College. However, if students complete the following courses at Swarthmore and twelve weeks of practice teaching in an elementary school, they can receive certification through Eastern College, with whom Swarthmore has a collaborative arrangement. Required courses at Swarthmore for Elementary Certification include Introduction to Education, Educational Psychology, Developmental Psychology or Psychology and Practice, Teaching Young Diverse Learners, Language Minority Education (or equivalent hours), Special Education, field work in special education, Curriculum and Methods, Practice Teaching and elementary methods workshops in math, science and social studies (offered in conjunction with Practice Teaching). In order to be certified by Eastern College, students take two additional elementary methods courses in Language Arts and Reading at Eastern College Summer School (from mid May-late June) for a total cost of about $2925 (rate, Spring 2009).
Ninth semester program

Students who have completed all the requirements for certification in their discipline and in Educational Studies, except for Practice Teaching and the Curriculum and Methods Seminar, may apply to return following graduation to complete the teacher certification program during a ninth semester. During this semester they take Practice Teaching and the Curriculum and Methods seminar and pay for one course of tuition and student fees. They are not eligible for campus housing. Further information on the ninth semester option is available in the Educational Studies Office.

SUBJECT AREA REQUIREMENTS FOR SECONDARY CERTIFICATION

Biology

All students certified in Biology must complete the requirements of a Biology major. This includes a minimum of eight Biology courses (starting with Bio 1 and 2) and at least one course or seminar selected from each of the following groups: I. Cell and Molecular Biology; II. Organismal Biology; and III. Populational Biology. They must also take at least one advanced course or seminar in Biology and satisfy the general College requirement of a senior comprehensive examination by taking Bio 97. In addition, all Biology majors must take Introductory Chemistry, at least one semester of Organic Chemistry, and two semesters of college Mathematics (not Stat 1 or Math 3) or Calculus II (Math 23 or 25). One semester of Statistics is strongly recommended.

In addition to fulfilling the requirements of the major, students who wish to be certified in Biology must take Evolution, Biology 34. They are also strongly encouraged to work as a Biology Clinic tutor or Lab Assistant for a semester, contingent on the needs of the department.

Chemistry

All students certified in Chemistry will complete the requirements of a Chemistry major or Biochemistry Special Major.

Chemistry majors must include the following courses in their program.

a) The following Chemistry courses:

Chemistry 10/10H General Chemistry
Chemistry 22 Organic Chemistry I
Chemistry 32 Organic Chemistry II
Chemistry 34* Principles of Physical Chemistry
Chemistry 38 Biological Chemistry
Chemistry 43 Analytic Methods and Instrumentation
Chemistry 45A/B** Intermediate Physical Chemistry I and II
Chemistry 46 Inorganic Chemistry
One single credit Chemistry seminar (Courses numbered 102-110.)
b) Physics 3 and 4 (or the equivalent)
c) Mathematics 15; Mathematics 25, 25s or 26; and Mathematics 33, 34, or 35
d) Senior comprehensive examination or thesis

Biochemistry majors must complete Chemistry 10, 22, 32, 34, 38, 43, 45A/C, 46 and either 108 or 110. They must also complete either a biochemically related sophomore-level Biology course and a biochemically related advanced biology seminar OR two biochemically related sophomore-level Biology courses.

In addition all students being certified in Chemistry are required to assist in the instruction of the laboratory of an introductory Chemistry course one afternoon per week for two semesters.

*Starting in 2008-2009 Chemistry 34 will be replaced by Chemistry 44, Physical Chemistry I.

***Starting in 2008-2009 Chemistry 45A/B/C will be replaced by Chemistry 45, Physical Chemistry II.

**Citizenship Education**

Students completing certification in Citizenship Education will complete a major in History, Political Science, or Economics. (Students majoring in Sociology/Anthropology or Psychology will complete Social Science or Social Studies certification.)

The History major consists of at least nine credits, including at least one course or seminar from each of the following categories: a) before 1750, including relevant courses in Classics, and b) outside of Europe and the United States, specifically Africa, Asia, Latin America and the Near East. In addition majors will complete the Senior comprehensive exam, History 91, Senior Research Seminar. For additional information, see the College Bulletin.

The Political Science major consists of eight or more credits, including at least one course or seminar in each of the following three fields: 1) American politics, 2) comparative or international politics, and 3) political theory. In addition, majors will complete the Senior comprehensive exam, either an oral or written thesis. For additional information, see the College Bulletin.

The Economics major consists of at least eight credits, including, Economics 11 and 21, and 31 or its equivalent. Math 15 and either Math 23 or 25 are also highly recommended. In addition, students must complete the Senior comprehensive exam. For further information, see the College Bulletin.
As a part of their course work, all students seeking certification in Citizenship Education are required to include in their preparation:

- History 5a and either History 5b or 5c. (AP credit will not count toward this American History requirement.)
- History 3
- Economics 1
- Political Science 2 and 4
- A history, political science, economics or sociology/anthropology course that focuses on non-western or non-Anglo subject matter

A History or Classics course focusing on pre 1750 material is also strongly recommended.

**English**

All students being certified in English will complete an English major. The English major consists of a minimum of nine units of credit in the department, including at least three units of credit in literature written before 1830 and three in literature written after 1830. In addition, English majors must complete the departmental comprehensive examination, the Senior Essay or Senior Honors Study and Honors exams.

For certification in English, a student’s program must also include one course in American literature and one course in Shakespeare among the nine units. In addition, students being certified must take Linguistics 1. A course in theater or film and a creative writing or journalism workshop are highly recommended. (Admission to writing workshops is at the discretion of the course instructor.) Certification candidates are advised to choose a balanced program from a variety of different authors, genres, and periods.

**Mathematics**

All students seeking certification in Mathematics must either complete a Mathematics major, which consists of 10 credits in mathematics or statistics or a special major in Mathematics and Educational Studies. Every Mathematics major must complete, obtain credit for, or place out of at least four of the five following groups: Elementary single-variable calculus (MATH 15); Further single-variable calculus (MATH 25, 25S or 26); Linear algebra (MATH 27, 28, or 28S); Discrete mathematics (MATH 29); Several variable calculus (MATH 33, 34, or 35). They must also take MATH 63 and 67. At most, five of the ten credits can be in courses numbered 40 or lower. Majors must also take the departmental comprehensive examination, Math 97, the Senior Conference. A special major in Mathematics and Education consists of seven courses in mathematics (including either 63 or 67 and one additional course numbered above 44), at least five courses in Educational Studies, and a one credit thesis or project supervised in both Educational Studies and Mathematics.
Students seeking certification must include among their electives:

- one semester of discrete mathematics (Mathematics 29, 65, or 72)
- one semester of geometry (Mathematics 45)
- one semester of statistics or probability (Statistics 11, 31, 53, 111)

One semester of computer science (Computer Science 15 or 21) is strongly recommended.

In addition, students seeking certification are strongly advised to take further mathematics courses emphasizing modeling and applications, and/or to take at least one course in the Natural or Social Sciences in which mathematics is significantly used. They are also highly encouraged to work as a tutor in the Math clinic or to do individual tutoring for a semester. Students must have received a grade of C or better in all mathematics courses to receive Mathematics certification.

**Foreign Languages**

All students seeking certification in Foreign Languages (French, German and Spanish) will complete a major in Modern Languages and Literatures. This includes at least eight credits in advanced language, literature or culture courses (courses numbered 4 and above) and completion of the comprehensive examination requirement. Courses numbered 11 or above emphasize the study of literature and culture, as well as competence in the spoken and written language. (See the College Bulletin for specific requirements for majors in the different languages). In addition, all majors are required to spend at least a semester abroad in a country that speaks the target language. Information about a variety of foreign study programs in French, German and Spanish speaking countries is available from the Foreign Study Advisor. The normal sequence of courses for a student preparing to teach a foreign language begins with courses in the language itself, which prepare the student to express him or herself fluently in writing and speaking. The sequence culminates in advanced literature courses. Exceptions to the initial course requirements are made for those who show initial competence in the language of specialization.

Students who pursue certification in a foreign language must also take Linguistics 1 in order to develop the basic knowledge of language structures. Prospective teachers are also highly encouraged to supplement work in the department with work in other disciplines, such as History, Art History, Music, and Sociology/Anthropology, which enhance the candidate's knowledge of the culture, history and geography of countries where the target language is spoken. They also should make every effort to teach for at least a semester in the after school language programs at the elementary school level in the local school district.
Physics

Students completing certification in Physics or Astrophysics must fulfill the requirements for the Physics major, which include:

- Physics 6 The Character of Physical Law
- Physics 7 Introductory Mechanics
- Physics 8 Electricity, Magnetism and Waves
  (Physics 3 and 4 may substitute, with the permission of department chair)
- Physics 14 Thermodynamics and Modern Physics
- Physics 50 (or Math 30 or Math 81) Mathematical Methods of Physics
- Physics 63 Procedures in Experimental Physics
- Physics 81-82 Advanced Laboratory
- Physics 111 Analytical Dynamics
- Physics 112 Electrodynamics
- Physics 113 Quantum Theory
- Physics 114 Statistical Physics
  (For Astrophysics, also Astronomy 16, plus four seminars in Astronomy)
- Senior Comprehensive Exam

In addition, they must obtain credit for, or place out of Math 15, 25 or 26, 27 or 28, and 33, 34 or 35.

It is strongly recommended that students being certified in Physics take Chemistry 10 and Biology 1 or 2. In addition they must serve as a lab assistant or demonstration coordinator in physics for at least one semester.

Social Science

Students completing certification in Social Science will complete a major in Psychology or Sociology/Anthropology. (Students completing majors in Economics, History or Political Science will complete Citizenship or Social Studies certification.)

The Psychology major consists of at least eight credits, four of which must be courses numbered in the 30s. Starting with the class of 2010, majors must also complete Psych 25 and Stat 11. In addition, students must fulfill the Senior comprehensive requirement (Psych 98) or a two credit senior thesis, Psychology 96-97. (For further information, see the College Bulletin.)

The Sociology/Anthropology major consists of at least eight credits. All Sociology/Anthropology majors are required to take SOAN 12, Exemplary studies, and complete a two credit senior thesis. It is strongly recommended that students complete a theory course and a methods course as well. (For further information, see the College Bulletin.)
The programs of all students seeking Social Science certification must include Psychology 1 and at least two Sociology/Anthropology courses that address the following topics: the concept of culture; origins of human culture and cultural change; kinship, rituals and social organization; cultural and social organization; social organization, movements, change and the socialization process; demography, immigration trends and local and national responses; role of race, gender and ethnicity in individual and national identity; cultural unity and diversity in a pluralistic society; changing role of the family in society. All programs must include at least one course that focuses on non-western or non-Anglo content and one course that addresses cross cultural issues.

In addition, in order to be employed to teach Social Studies in states other than Pennsylvania, it is strongly recommended that students also complete:

History 5a and either History 5b or 5c, History 3, Economics 1, Political Science 2.

**Social Studies**

Students completing certification in Social Studies must major in one of the Social Sciences: Economics, History, Political Science, Psychology or Sociology/Anthropology.

Students majoring in History, Political Science and Sociology/Anthropology are required to take at least four Social Science courses outside of their major; students majoring in Economics or Psychology are required to take six Social Science courses outside of their major.

All Social Studies candidates must include the following Social Science courses in their course of study:

- History 5a and either 5b or 5c
- History 3
- Economics 1
- Psychology 1
- Political Science 2
- Political Science 4
- One course on non-Western or non-Anglo content
- One course addressing cross cultural issues
- Two Sociology/Anthropology courses that address the following topics: the concept of culture; origins of human culture and cultural change; kinship, rituals and social organization; cultural and social organization; social organization, movements, change and the socialization process; demography, immigration trends and local and national responses; role of race, gender and ethnicity in individual and national identity; cultural unity and diversity in a pluralistic society; changing role of the family in society.