The COLLEGE OF EDUCATION is the professional school established to conduct and coordinate programs for the preparation of teachers and other educational personnel. Membership is held in the American Association of Colleges for Teacher Education and in the Pennsylvania Association of Colleges and Teacher Educators. The college is accredited by the National Council for Accreditation of Teacher Education for the preparation of elementary teachers, secondary teachers, and school service personnel, with programs ranging through the doctoral level. (See also Teacher Certification Programs.)

RESIDENT INSTRUCTION--All undergraduate majors offer specialization in various professional fields and meet the University's requirements for the Bachelor of Science degree. Students completing the college's teacher certification requirements are eligible for an Instructional I teacher certificate issued by the Pennsylvania Department of Education. In addition to a wide range of teacher preparation programs, the college offers undergraduate programs in education and public policy, and rehabilitation and human services. Beyond the undergraduate curricula, each of the college's academic units emphasizes advanced, graduate-level studies in education, which lead to master's and doctoral degrees. (See also the Penn State Graduate Degree Programs Bulletin.)

RESEARCH--Research and development are principal responsibilities of the college, informing and enriching its other missions. Faculty and advanced students pursue new knowledge and educational development along with other scholarly and creative activities. Individuals and teams develop programmatic research contributing to knowledge in the many disciplines within the college. Faculty engage in sponsored research funded by federal agencies, the Commonwealth of Pennsylvania, regional and local school districts, foundations, and the corporate sector.

CONTINUING EDUCATION AND DISTANCE EDUCATION--The college extends its instructional services to professional school personnel at many locations in Pennsylvania through organized credit and noncredit courses, workshops, conferences, studies, and other forms of professional association. Short courses, institutes, workshops, and other programs also are conducted on the University Park campus during the entire year. Requests for information on items of special interest should be addressed to Continuing Education and Distance Education, College of Education, The Pennsylvania State University, 277 Chambers Building, University Park, PA 16802-3206.

Selected courses, certificates, and degrees are also available through Penn State's World Campus. Information about these courses can be found at: www.worldcampus.psu.edu

ADMISSION AND SELECTIVE RETENTION

ADMISSION TO THE COLLEGE--Students who meet the secondary school unit requirements published in the front of this Bulletin meet with representatives from the Office of the Dean prior to enrolling in the University. The student's personal
qualifications and the results of aptitude and interest tests are considered in terms of the specific degree program the student proposes to pursue.

ENTRANCE TO A MAJOR--To be eligible for entrance to a major in this college, a degree candidate must be enrolled in the college or satisfy requirements for entrance to the college. In addition, entrance-to-major requirements of the chosen program area must be met. Under certain circumstances, the University may need to limit enrollments in the college or in certain majors because of space limitations. Upon completion of their first year, students review their academic accomplishments and professional goals with their academic advisers before a decision about entrance to a specific major is made. In this declaration of major process, students and advisers review the students' grade-point averages and performances in written and oral communications; in psychological, sociological, and philosophical studies; and in those courses explicitly designed for specialization in the students' chosen majors. See Programs, Degrees, and Certifications for details. (See also Teacher Certification Programs.)

DEGREES AND DEGREE REQUIREMENTS--The undergraduate majors lead to the B.S. degree. By careful planning, students in some majors may choose to meet University Faculty Senate requirements for earning simultaneous degrees by completing at least 30 additional credits beyond those required in the degree having the fewer total required credits. Alternatively, it is possible for a student in a degree program to meet graduation and teacher certification requirements for multiple majors and teacher certification options. Students should seek additional information from the University Certification Office, The Pennsylvania State University, 228 Chambers Building, University Park, PA 16802-3206.

RECOMMENDED ACADEMIC PLANS

Recommended Academic Plans provide, in table form, the courses students might schedule semester by semester as they pursue a specific undergraduate degree. Each college or campus maintains Recommended Academic Plans for its own majors/degree programs. Links to these plans are on the Division of Undergraduate Studies website at: http://www.dus.psu.edu/semplans.htm Questions concerning the Recommended Academic Plans should be directed to the college or campus involved or the Division of Undergraduate Studies.

ACADEMIC DEPARTMENTS

Learning and Performance Systems
PROFESSOR ALISON A. CARR-CHELLMAN, Head

This department offers undergraduate programs in Workforce Education and Development. In addition, the department offers graduate programs in Adult Education, Instructional Systems, and Workforce Education and Development. Courses offered are taken for required or elective purposes by students in various undergraduate and graduate programs.

Educational Psychology, Counseling, and Special Education
PROFESSOR SPENCER G. NILES, Head

This department offers undergraduate programs in Special Education, Rehabilitation and Human Services, and graduate programs in Counseling Psychology, School Psychology, Educational Psychology, and Special Education. Courses are also taken for required or elective purposes by students in various undergraduate and graduate programs.

Curriculum and Instruction
PROFESSOR CARLA ZEMBAL-SAUL, Department Head

There is a growing demand for graduates of teacher education programs. This department offers professional programs leading to certification in early childhood (PK-4), middle-level education (grades 4-8), and in a variety of discipline areas leading to certification at the secondary-school level. Admission to a specific teacher certification program occurs only after a student applies to a particular program during or at the conclusion of the freshman year. This department also provides a variety of clinical field experiences, including student teaching.

Education Policy Studies
PROFESSOR GERALD LeTENDRE, Head

This department offers an undergraduate program in Education and Public Policy. The department offers courses in College Student Affairs, Comparative and International Education, Educational Leadership, Educational Theory and Policy, and Higher Education, which are taken as required and as elective courses by students in various undergraduate and graduate programs.

COLLEGE OF EDUCATION

DAVID H. MONK, Dean

GREGORY J. KELLY, Associate Dean for Research, Outreach, and Technology

STEPHANIE L. KNIGHT, Associate Dean for Undergraduate and Graduate Studies

COLLEGE ORGANIZATION

LEARNING AND PERFORMANCE SYSTEMS--ALISON A. CARR-CHELLMAN, Department Head
   Adult Education--GARY W. KUHNE and FRED M. SCHIED, Program Co-Coordinators
   Instructional Systems--SIMON R. HOOPER, In Charge
   Workforce Education and Development--DAVID PASSMORE, In Charge

EDUCATIONAL PSYCHOLOGY, COUNSELING, AND SPECIAL EDUCATION--KATHLEEN BIESCHKE, Department Head
   Counselor Education--RICHARD J. HAZLER, In Charge
   Rehabilitation and Human Services--JAMES HERBERT, In Charge
   Special Education--RICHARD KUBINA, In Charge; KATHLEEN McKINNON, Coordinator of Teacher Education
   Educational Psychology--RAYNE SPERLING and ROBERT STEVENS, In Charge
   School Psychology--JAMES C. DiPERNA, In Charge

CURRICULUM AND INSTRUCTION--CARLA ZEMBAL-SAUL, Department Head
   Childhood and Early Adolescent Education--GWENDOLYN LLOYD, In Charge
   Early Childhood Education--JAMES E. JOHNSON, In Charge
   Graduate Programs--GLEN DON W. BLUME, Coordinator
   Language and Literacy Education--GAIL BOLDT, In Charge
   Mathematics Education--ROSE MARY ZBIEK, In Charge
   Science Education--SCOTT P. McDONALD, In Charge
   Secondary Education--FRAN ARBAUGH, In Charge
   Social Studies Education--GAIL BOLDT, In Charge
   World Languages Education--MATTHEW POEHNER, In Charge

EDUCATION POLICY STUDIES--GERALD LeTENDRE, Department Head
Baccalaureate Degrees

Childhood and Early Adolescent Education

Penn State Abington
Penn State Altoona
Penn State Berks
Penn State Erie, The Behrend College
University College: Penn State Lehigh Valley - PROGRAM CURRENTLY ON HOLD at PENN STATE LEGHILL VALLEY; NOT ACCEPTING NEW STUDENTS; Begin Date of Enrollment Hold: March 22, 2016

University Park, College of Education (CEAED)

PROFESSOR STEPHANIE SERRIERE, Director

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

CHILDHOOD AND EARLY ADOLESCENT EDUCATION. Students successfully completing this major will have met all of the requirements for the PK-4, ENGLISH EDUCATION 4-8, MATHEMATICS EDUCATION 4-8, or SOCIAL STUDIES EDUCATION 4-8 College Instructional 1 certificate issued by the Pennsylvania Department of Education. Students must apply for admission to the major. Students interested in the major should contact their advisor and enroll in a C I 295 field experience, which features participation in the classroom.

Baccalaureate degree candidates must meet the following requirements 1-3 by the end of their third semester:
1. A minimum cumulative grade point average of 3.00.
2. Satisfaction of any basic-skills or entrance testing requirements as specified by the Pennsylvania Department of Education in force at the time of application for entrance to the major.

Requirements 3-8 must be met by the end of the fourth semester when students typically participate in the Entrance to Major process.
3. A grade of "C" or better in all specified courses.
4. Completion of an early field experience specified by the certification program.
5. Completion of a core of Education courses specified by the certification program.
6. Completion of additional credits as specified by the certification program.
7. Completion of at least 48 semester credit hours, including ENGL 015 GWS(3) or ENGL 030 GWS(3), six credits of quantification, and three credits of natural science, as well as three credits of literature for Early Education PK-4 Option, three credits of literature for Mathematics Education 4-8 Option, three credits of literature for Social Studies 4-8 Option or six credits of literature for English Education 4-8 Option.
8. Approval from the professional education adviser or the head of the pertinent certification program.

For the B.S. degree in Education with an option in Early Education PK-4, a minimum of 127 credits is required; with an option in English 4-8, a minimum of 128 credits is required; with an option in Mathematics Education 4-8, a minimum of 126 credits is required; or with an option in Social Studies Education 4-8, a minimum of 127 credits is required. (See also Teacher Education Programs.)

GENERAL EDUCATION: 45 credits
(27 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST YEAR SEMINAR:
(Included in GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

REQUIREMENTS FOR THE MAJOR: 109-115 credits [1]
(This includes 27 credits of General Education courses: Early Education PK-4 Option – 6 credits of GH courses, 9 credits of GN courses, 6 credits of GQ courses, 6 credits of GS courses. English 4-8 Option – 6 credits of GH courses, 9 credits of GN courses, 6 credits of GQ courses, 6 credits of GS courses. Social Studies 4-8 Option – 6 credits of GH courses, 9 credits of GN courses, 6 credits of GQ courses, 6 credits of GS courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 64-65 credits

PRESCRIBED COURSES (55 credits)
C I 280 GH(3), EDPSY 014(3), E DTHP 115 US(3), MATH 200 GQ(3) (Sem: 1-4)
C I 495D(12), C I 495F(3), KINES 126(1.5), KINES 127(1.5), LL ED 400(3), LL ED 401(3), LL ED 402(3), MTHED 420(3), SCIED 458(3), SPLED 400(4), SPLED 403A(3), SS ED 430W(3) (Sem: 5-8)

ADDITIONAL COURSES (6-7 credits)
STAT 100 GQ(3), STAT 200 GQ(4), or EDPSY 101 GQ(3) (Sem: 1-4)
Any MATH GQ course (Sem: 1-4)

SUPPORTING COURSES AND RELATED AREAS (3 credits)
Select 3 credits in literature (GH) (Sem: 1-4)

REQUIREMENTS FOR THE OPTION: 45-46 credits

EARLY EDUCATION PK-4 OPTION: (45 credits)
PRESCRIBED COURSES (21 credits)
C I 295A(3), HD FS 229 GS(3) (Sem: 3-4)
A ED 303(3), C I 495A(3), E C E 451(3), E C E 479(3), MUSIC 241(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (24 credits)
Select 3 credits of Economic Geography (GS;US;IL) (Sem: 1-4)
Select 3 credits of US History (GS;US;IL) (Sem: 1-4)
Select 9 credits: 3 credits each (including one course with a lab) from biological science, earth science, and physical science (GN courses) (Sem: 1-6)
Select 3 credits related to families and relationships from:
Select 6 credits of educational selections from:

ENGLISH EDUCATION 4-8 OPTION: (46 credits)

PRESCRIBED COURSES (19 credits)
C I 295B(3), HD FS 239 GS(3), SOC 119 GS;US(4) (Sem: 1-4)
C I 495B(3), LL ED 412W(3), LL ED 450(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (27 credits)
Select 9 credits: 3 credits each (including one course with a lab) from biological science, earth science, and physical science (GN courses) (Sem: 1-6)
Select 3 credits of British Literature from:
ENGL 221(3), ENGL 222(3), ENGL 440(3), ENGL 441(3), ENGL 442(3), ENGL 443(3), ENGL 444(3), ENGL 445(3), ENGL 446(3), ENGL 447(3), ENGL 448(3), ENGL 449 US;IL(3), ENGL 450(3), ENGL 451(3), ENGL 452(3), ENGL 453(3), ENGL 454(3), ENGL 455(3), ENGL 456(3), ENGL 457(3), or ENGL 458(3) (Sem: 1-6)
Select 3 credits of American Literature from:
ENGL 231 GH(3), ENGL 232 GH(3), ENGL 432(3), ENGL 433(3), ENGL 434(3), ENGL 435(3), ENGL 436(3), ENGL 437(3), ENGL 438(3), or ENGL 439(3) (Sem: 1-6)
Select 3 credits of Comparative Literature from:
Select 3 credits of Writing from:
ENGL 212(3), ENGL 213(3), ENGL 215(3), ENGL 281(3), ENGL 412(3), ENGL 413(3), ENGL 414(3), or ENGL 415(3) (Sem: 1-6)
Select 6 credits of Media Literacy from:

MATHEMATICS EDUCATION 4-8 OPTION: (50 credits)

PRESCRIBED COURSES (35 credits)
C I 295B(3), HD FS 239 GS(3), MATH 140(4), MATH 141(4), MATH 201 GQ(3) (Sem: 1-4)
MATH 311W(3) (Sem: 4-6)
MTHED 428(3), MTHED 429(3) (Sem: 5-6)
MTHED 431(3), MTHED 433(3) (Sem: 6-7)
C I 495B(3) (Sem: 7)

COURSES AND RELATED AREAS (15 credits)
Select 9 credits: 3 credits each (including one course with a lab) from biological science,
earth science, and physical science (GN courses) (Sem: 1-6)
Select 3 credits from humanities GH (Sem: 1-3)
Select 3 credits from social and behavioral sciences GS (Sem: 1-3)

SOCIAL STUDIES 4-8 OPTION: (45 credits)

PRESCRIBED COURSES (24 credits)
C I 295B(3), PL SC 001 GS(3), HIST 020 GH;US(3), GEOG 010 GN(3), GEOG 020 GS;US;IL(3),
HD FS 239 GS(3) (Sem: 1-6)
C I 495B(3), LL ED 412W(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (21 credits)
Select 6 credits: 3 credits each (including one course with a lab) from biological science,
and physical science (GN courses) (Sem: 1-6)
Select 15 credits from social sciences with at least 6 credits taken at the 100-level or
above
At least 3 credits in Economic Policy Issues (Sem: 3-8)
At least 6 credits in Civics and Society (Sem: 3-8)
At least 6 credits in Historical and Geographical Perspectives (Sem: 3-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in
Senate Policy 82-44.

Last Revised by the Department: Fall Semester 2015
Blue Sheet Item #: 44-03-033
Review Date: 11/17/2015
R & T: 01/14/2014

ED

Education and Public Policy

University Park, College of Education (EPP)

PROFESSOR DANA MITRA, In charge

The Education and Public Policy major (EPP) offers an interdisciplinary program for
mission-driven students who want to make a difference in society by building democratic
participation and improving civic capacity in and through educational institutions and
Communities.

The EPP major prepares students to work in political and economic global systems for the
betterment of a diverse and democratic society. EPP students become discerning research
consumers and policy analysts in order to work for educational reform and social justice.
The EPP major blends core courses in educational policy with foundations courses in
sociology, political science, economics, business, race and class, and research methods. Elective courses within the major include policy problems, public systems, leadership, ethics, diversity, equality, and equity. In addition to academic studies, the EPP major includes a semester field experience culminating in a real-world, meaningful research project. Opportunities for internships include organizations in State College, Harrisburg, Philadelphia, and Washington, D.C. Graduates of the EPP program will enter professional careers in educational organizations, government, community development, public service, non-profits, consulting, philanthropy, and interest groups.

Baccalaureate degree candidates must have a minimum 2.0 GPA by the end of their fourth semester to be admitted to the Education and Public Policy (EPP) major; thereafter, students must earn a C or better in all prescribed and required courses necessary for the major.

For the B.S. degree in Education and Public Policy, a minimum of 124 credits is required.

*Scheduling Recommendation by Semester Standing given like (Sem:1-2)*

**GENERAL EDUCATION:** (45 credits)
(12 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR. See description of General Education in the Bulletin.)

**FIRST-YEAR SEMINAR**
(Included in ELECTIVES or GENERAL EDUCATION course selection)

**UNITED STATES CULTURES AND INTERNATIONAL CULTURES:**
(Included in ELECTIVES or GENERAL EDUCATION course selection)

**ELECTIVES:** 1-3 credits

**WRITING ACROSS THE CURRICULUM:**
(Included in REQUIREMENTS FOR THE MAJOR)

**REQUIREMENTS FOR THE MAJOR:** 90-91 credits
(This includes 12 credits of General Education courses: 6 credits of GS courses; 3 credits of GQ courses; and 3 credits of GH courses.)

**PRESCRIBED COURSES** (39 credits)[1]
PL SC 001 GS(3), PL SC 003 GS;IL(3), ECON 102 GS(3), ECON 104 GS(3), EDPHP 115 US(3), HIST 021 GH;US(3), SOC 005 GS(3) (Sem: 1-4)
CAS 222/CIVCM 211 GS;US(3), EDPHP 200 GS(3), EDPHP 420(3) (Sem: 3-6)
EDPHP 394(3) (Sem: 5-6)
EDPHP 395(3), EDPHP 420(3) (Sem: 7-8)

**ADDITIONAL COURSES** (9-10 credits)
EDPSY 101 GQ(3), STAT 100 GQ(3)[1] or STAT 200 GQ(4)[1] (Sem: 1-3)
SOC 001 GS(3)[1] or R SOC 011 GS;US(3)[1] (Sem: 1-3)
EDPSY 400(3), EDPSY 406(3), SOC 023 GS(3), SOC 207(3) (Sem: 3-8)

**SUPPORTING COURSES AND RELATED AREAS** (42 credits)
Select 9 credits of Educational Theory and Policy Studies at the 400 level (Sem: 3-8)
Select 15 credits of Policy Problems and Public Systems from approved department list (Sem: 3-8)[1]
Select 6 credits of Leadership and Citizenship from approved department list (Sem: 3-8)[1]
Select 6 credits of Diversity and Equity from approved department list (Sem: 3-8)[1]
Select 6 credits of Major-related courses in consultation with EDTHP adviser. (Sem: 3-8)

A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.

Last Revised by the Department: Spring Semester 2013
Blue Sheet Item #: 41-06-038
Review Date: 04/09/2013
ED

PROGRAM CURRENTLY ON HOLD; NOT ACCEPTING NEW STUDENTS
Begin Date of Enrollment Hold: September 10, 2010

**Please Note: Individuals interested in earning Pennsylvania teaching credentials for grades PK-8 should refer to the Childhood and Early Adolescent Education major.**

Elementary and Kindergarten Education

Altoona College (EEDAL): Elementary Education Teaching Option  
Berks College (EEDBL)
University College: Penn State Lehigh Valley (EEDCC): Elementary Education Teaching Option
University Park, College of Education (EK ED)

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

PROFESSOR STEPHANIE SERRIERE, in charge

This major offers teaching options in Early Childhood Education and in Elementary Education. Students successfully completing this major will have met all of the requirements for the N-3 or K-6 College Instructional I certificate issued by the Pennsylvania Department of Education. Students must indicate their choice of teaching option at the time they make application for admission to a teacher education major. Students who are undecided at this time about which teaching option to select should contact their adviser and enroll in a field experience featuring participation in the classroom.

EARLY CHILDHOOD TEACHING OPTION: Students successfully completing this option will have met all of the requirements for the N-3 Instructional I certificate issued by the Pennsylvania Department of Education. Special courses in both human development and education are used to integrate understanding of preschool programs with relevant theories of child development.

ELEMENTARY EDUCATION TEACHING OPTION: Students successfully completing this option will have met all of the requirements for the K-6 Instructional I certificate issued by the Pennsylvania Department of Education.

For the B.S. degree in Elementary and Kindergarten Education, a minimum of 129.5 credits is required for the Early Childhood Teaching Option and a minimum of 122 credits
is required for the Elementary Education Teaching Option. (See also Teacher Education Programs.)

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(27-30 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-3 credits

REQUIREMENTS FOR THE MAJOR: 101-117 credits
(This includes 27-30 credits of General Education courses: 6 credits of GS, 6 credits of QG, 6 credits of GH, and 9 credits of GN courses for both options. The Early Childhood Teaching option permits 3 credits of GHA.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 84.5-85.5 credits[1]

PRESCRIBED COURSES (57.5 credits)
CI 295(2), EDPSY 014(3), ENGL 100(3), MATH 200 GQ(3) (Sem: 1-4)
A ED 303(3), CI 495B(3), CI 495D(12), CI 495F(3), KINES 126(1.5), LL ED 400(3), LL ED 401(3), LL ED 402(3), MTHED 420(3), MUSIC 241(3), SCIED 458(3), SPLED 400(3), SS ED 430W(3) (Sem: 5-8)

ADDITIONAL COURSES (15-16 credits)
EDTHP 115 US(3) or EDTHP 115A GS;US(3) (Sem: 1-3)
HIST 020 GH;US(3) or HIST 021 GH;US(3) (Sem: 1-4)
STAT 100 GQ(3), STAT 200 GQ(4) or EDPSY 101 GQ(3) (Sem: 1-4)
ECON 102 GS(3), ECON 104 GS(3) or ECON 014 GS(3) (Sem: 1-8)
GEOG 020 GS;US;IL(3), GEOG 030 GS;IL(3), GEOG 126 GS;US;IL(3), GEOG 128 GS;IL(3), or GEOG 128 GS;IL(3) (Sem: 1-8)

SUPPORTING COURSES AND RELATED AREAS (12 credits)
Select 3 credits in literature GH (Sem: 1-4)
Select 9 credits: 3 credits each (including one course with a lab) from the following GN biological science, earth science and physical science (Sem: 1-6)

REQUIREMENTS FOR THE OPTION: 16.5-30 credits

EARLY CHILDHOOD TEACHING OPTION: (27-30 credits)[1]

PRESCRIBED COURSES (15 credits)
EC E 451(3), EC E 452(3), EC E 453(2), EC E 454(3), EC E 479(3), CI I 495A(1) (Sem: 5-8)

ADDITIONAL COURSES (12-15 credits)
HP A 101(3) or NUTR 251 GHA(3) (Sem: 1-2)
HD FS 315 US(3) or SOC 030 GS(3) (Sem: 1-4)
HD FS 229 GS(3) or PSYCH 100 GS(3) and PSYCH 212 GS(3) (Sem: 1-4)
HD FS 428(3) or HD FS 429(3) (Sem: 5-8)

**ELEMENTARY EDUCATION TEACHING OPTION:** (16.5-19.5 credits)[1]

**PRESCRIBED COURSES** (1.5 credit)
KINES 127(1.5) (Sem: 5-8)

**ADDITIONAL COURSES** (3-6 credits)
HD FS 229 GS(3) or EDPSY 010 GS(3) or PSYCH 100 GS(3) and PSYCH 212 GS(3) (Sem: 1-4)

**SUPPORTING COURSES AND RELATED AREAS** (12 credits)
Select 3 credits in MATH or MTHED (Sem: 1-8)
Select 6 credits from EDTHP at the 400 level, ECE at the 400 level, SPLED at the 400 level, EDLDR 405(3), EDLDR 497(1-9), LL ED 497(1-9) (Sem: 5-8)
Select 3 credits in U.S. History (Sem:1-8)

[1] A grade of C or better per course is required for teacher certification.

Last Revised by the Department: Summer Session 2005

Blue Sheet Item #: 33-06-097

Review Date: 2/12/08

UCA Revision #1: 8/3/06

ED

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**Rehabilitation and Human Services**

*Penn State Abington (RHSAB)*
*Penn State Berks (RHSBL)*
*University College: Penn State Hazleton, Penn State Lehigh Valley, Penn State Wilkes-Barre (RHSCC)*
*University Park, College of Education (RHS)*

**PROFESSOR JAMES HERBERT, Undergraduate Program Coordinator**

This major helps prepare students for entry-level positions in a variety of human service settings, particularly settings that provide services to persons with physical, emotional, or mental disabilities. Graduates pursue employment in a variety of settings including rehabilitation centers, drug and alcohol programs, senior citizens centers, community mental health programs, mental retardation programs, corrections systems, and hospitals. Increasing opportunities are available in private for-profit insurance programs for the industrially injured, and in employee assistance programs within business and industry. Well-planned use of electives and internships allows for specialization. The full-semester (15-credit) internship is provided under the supervision of professionals in human service agencies. These intensive "hands-on" experiences are frequently avenues for employment since the internship is completed during the senior year. Students may not go on internship until they have successfully completed all other course work. Students are encouraged to participate in volunteer experiences that provide opportunities to work with people with disabilities. Students are encouraged to declare a minor in a related area and should be discussed with the student's adviser. The major also helps prepare students for graduate study in many human service professional disciplines such as rehabilitation counseling, school counseling, occupational therapy, physical therapy and social work.
Baccalaureate degree candidates must have a minimum 2.0 GPA to be admitted to the Rehabilitation and Human Services (RHS) major; thereafter, students must earn a C or better in all RHS required courses.

For the B.S. degree in Rehabilitation and Human Services, a minimum of 120 credits is required.

_Scheduling Recommendation by Semester Standing given like (Sem: 1-2)_

**GENERAL EDUCATION:** 45 credits  
(12-14 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)  
(See description of General Education in this bulletin.)

**FIRST-YEAR SEMINAR:**  
(Included in ELECTIVES or GENERAL EDUCATION course selection)

**UNITED STATES CULTURES AND INTERNATIONAL CULTURES:**  
(Included in ELECTIVES or GENERAL EDUCATION course selection)

**WRITING ACROSS THE CURRICULUM:**  
(Included in REQUIREMENTS FOR THE MAJOR)

**ELECTIVES:** 17-20 credits

**REQUIREMENTS FOR THE MAJOR:** 70-72 credits  
(This includes 12-14 credits of General Education courses: 6 credits of GS courses; 3-4 credits of GQ courses; 3-4 credits of GN courses.)

**PRESCRIBED COURSES** (55 credits)  
PSYCH 100 GS(3), RHS 100 GS;US(3) (Sem: 1-4)  
PSYCH 270(3), SOC 001 GS(3), SOC 119(4) (Sem: 1-6)  
RHS 300(3)\[1\], RHS 301(3)\[1\], RHS 302(3)\[1\], RHS 303(3)\[1\], RHS 400W(3)\[1\], RHS 401(3)\[1\], RHS 402(3)\[1\], RHS 403(3)\[1\], RHS 495A(15) (Sem: 5-8)

**ADDITIONAL COURSES** (9-11 credits)  
EDPSY 010 GS(3), HD FS 239 GS(3), or PSYCH 212 GS(3) (Sem: 1-2)  
Select 3-4 credits from ANTH 021 GN(3), BI SC 001 GN(3), BI SC 002 GN(3), BI SC 003 GN(3), BI SC 004 GN(3), BIOL 133 GN(3), BIOL 110 GN(4), or BIOL 141 GN(3) (Sem: 1-6)  
STAT 100 GQ(3) or STAT 200 GQ(4) or EDPSY 101 GQ(3) (Sem: 1-6)

**SUPPORTING AND RELATED COURSES** (6 credits)  
Select 6 credits from CRIM, BB H, HD FS, KINES, PSYCH, or SOC (Sem: 3-8)

\[1\] A student enrolled in this major must receive a grade of C or better in this course, as specified in Senate Policy 82-44.

Last Revised by the Department: Spring Semester 2013

Blue Sheet Item #: 41-05-082

Review Date: 02/19/2013

UCA Revision #1: 9/1/06

PIC updated: 2/13/12

ED

Secondary Education
Abington College (SECAB)
Penn State Erie, The Behrend College (SECBC)
University Park, College of Education (SECED)

Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

PROFESSOR SCOTT METZGER, Director

The following teaching options are available for majors in Secondary Education: Biological Science, Chemistry, Earth and Space Science, English/Communication, Environmental Education, General Science, Mathematics, Physics, and Social Studies/Citizenship Education.

The Secondary Education major helps prepare students for middle school and/or high school teaching positions and for other employment in fields related to their content specialties.

**BIOLOGICAL SCIENCE TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

**CHEMISTRY TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

**EARTH AND SPACE SCIENCE TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

**ENGLISH/COMMUNICATION TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education. This program has a Language and Literature Core and a Media Literacies Core. This program is open to students outside the College of Education who desire certification.

**ENVIRONMENTAL EDUCATION TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for a Pennsylvania teacher certification in Environmental Education when completed in conjunction with another secondary education teaching option (i.e., Biological Science Teaching option). The total number of credits required will depend primarily on that other option.

**GENERAL SCIENCE TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching General Science at the secondary-school level, which is issued by the Pennsylvania Department of Education. This option may only be completed in conjunction with another secondary education option (e.g., Biology); the total number of credits required will depend primarily on that other option.

**MATHEMATICS TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

**PHYSICS TEACHING OPTION:** This option enables the graduate to meet all of the academic requirements for the Instructional I certificate for teaching at the secondary-school level, which is issued by the Pennsylvania Department of Education.

**SOCIAL STUDIES TEACHING OPTION:** This option enables the graduate to meet all of the
academic requirements for the Instructional I certificate for teaching social studies courses in the secondary-school level, which is issued by the Pennsylvania Department of Education. This option has a prescribed component required for all candidates as well as a choice of concentrations that focus on a specific area. All graduates who successfully complete this program are highly qualified to teach history in secondary grades (7-12) and are eligible for PA certification in Social Studies (7-12) and/or Citizenship Education (7-12). Candidates who successfully complete the Civics & Government concentration are highly qualified to be teachers of U.S. government and civics (7-12). Candidates who successfully complete the Economics concentration are highly qualified to teach economics and economic issues (7-12). Candidates who successfully complete the Geography concentration are highly qualified to teach geography and global studies (7-12). Candidates who successfully complete the Social Sciences concentration receive additional content preparation to be highly qualified teachers of anthropology, psychology, or sociology (7-12). Candidates who successfully complete the Citizenship Education concentration receive additional in-depth content preparation in Economics, Geography, History, and Political Science (7-12).

Baccalaureate degree candidates must meet the following requirements 1-3 by the end of their third semester:
1. A minimum cumulative grade point average of 3.00
2. Satisfaction of any basic-skills or entrance testing requirements as specified by the Pennsylvania Department of Education in force at the time of application for entrance to the major.
3. Documentation of at least 80 hours of volunteer or paid education work experience with learners of the age group the candidate plans to teach. Candidates for Secondary Education must document 40 of these hours with learners who come from backgrounds that are different from the candidate's.

Requirements 4-9 must be met by the end of the fourth semester when students typically participate in the Entrance to Major process.

4. A grade of "C" or better in all specified courses.
5. Completion of an early field experience specified by the certification program.
6. Completion of a core of Education courses specified by the certification program.
7. Completion of additional credits as specified by the certification program.
8. Completion of at least 48 semester credit hours, including ENGL 015 GWS(3) or ENGL 030 GWS(3), three credits of literature, and six credits of quantification
9. Approval from the professional education adviser or the head of the pertinent certification program.

For the B.S. degree in Secondary Education with an option in Biological Science Teaching, a minimum of 129 credits is required; with an option in Chemistry Teaching, a minimum of 126 credits is required; with an option in Earth and Space Science Teaching, a minimum of 123 credits is required; with an option in English/Communication Teaching, a minimum of 126 credits is required; with an option in Environmental Education Teaching and a cohort option, a minimum of 123 credits is required; with an option in General Science Teaching and a cohort option, a minimum of 121 credits is required; with an option in Mathematics Teaching, a minimum of 132 credits is required; with an option in Physics Teaching, a minimum of 121 credits is required; with an option in Social Studies Teaching, a minimum of 129 credits is required. (See also Teacher Education Programs.)

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(12-24 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-4 credits

REQUIREMENTS FOR THE MAJOR: 83-105 credits
(This includes 12-27 credits of General Education courses: Biological Science Teaching option, Chemistry Teaching option, Earth and Space Science Teaching option, Environmental Education Teaching option, General Science Teaching option, and Physics Teaching option -- 6 credits of GH courses; 9 credits of GN courses, 3-6 credits of GS courses; 6 credits of GQ courses. English/Communication Teaching option -- 3-6 credits of GA courses; 6 credits of GH courses; 3-6 credits of GS courses. Mathematics Teaching option -- 6 credits of GH courses; 3-6 credits of GS courses; 6 credits of GQ courses. Social Studies Teaching option -- 6 credits of GH courses; 3 credits of GN courses; 6 credits of GS courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 45 credits

PRESCRIBED COURSES (36 credits)
CI 295(2), EDPSY 014(3), PSYCH 100 GS(3) (Sem: 1-2)
CI 280 GH(3) (Sem: 1-6)
CI 495C(3), SPLED 400(4), SPLED 403B(3) (Sem: 5-8)
CI 495E(15) (Sem: 7-8)

ADDITIONAL COURSES (3 credits)
PSYCH 412(3) or HD FS 239 GS(3) (Sem: 4-6)

SUPPORTING COURSES AND RELATED AREAS (6 credits)
Select 3 credits of GH courses from Literature Selection (Sem: 1-4)
Select 3 credits EDTHP 115 US(3) or EDTHP 115A GS;US(3) (Sem: 1-2) or 3 credits at the 400 level of any EDTHP course (Sem: 5-8)

REQUIREMENTS FOR THE OPTION: 38-66 credits

BIOLOGICAL SCIENCE TEACHING OPTION (63-66 credits)

OPTION CURRENTLY ON HOLD at Penn State Abington;
NOT ACCEPTING NEW STUDENTS
Begin Date of Enrollment Hold: May 30, 2012
The program will continue to be delivered at University Park and Penn State Erie.

PRESCRIBED COURSES (30 credits)
CHEM 110 GN(3), CHEM 111 GN(1), CHEM 112 GN(3), CHEM 113 GN(1), MATH 140 GQ(4) (Sem: 1-2)
BIOL 110 GN(4), BIOL 220W GN(4), BIOL 240W GN(4) (Sem: 1-4)
ADDITIONAL COURSES (25-28 credits)
MATH 141 GQ(4) or 4 credits of 200-level STAT GQ courses; BIOL 230W GN(4) or B M B 251(3) and B M B 252(3); BIOL 427(3), GEOSC 204(4), GEOSC 424(3), ANTH 021 GN(3) or ANTH 460(3); PHYS 250 GN(4) and PHYS 251 GN(4) or PHYS 211 GN(4) and PHYS 212 GN(4) (Sem: 4-7)
Select 6 credits from B M B 211(3), B M B 212(1), B M B 401(3), B M B 402(3), CHEM 202(3), CHEM 203(3), CHEM 210(3), CHEM 212(3), CHEM 213(2) (Sem: 4-7)

SUPPORTING COURSES AND RELATED AREAS (8 credits)
Select 8 credits of 300-level or 400-level BIOL or biological fields (Sem: 5-7)

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

CHEMISTRY TEACHING OPTION: (60-62 credits)

PRESCRIBED COURSES (42 credits)
CHEM 110 GN(3), CHEM 111 GN(1), CHEM 112 GN(3), CHEM 113 GN(1), MATH 140 GQ(4) (Sem: 1-2)
BIOL 110 GN(4), MATH 141 GQ(4), PHYS 211 GN(4), PHYS 212 GN(4) (Sem: 1-4)
CHEM 451(3), CHEM 452(3), CHEM 457(1-2), SCIED 411(3), SCIED 412(3) (Sem: 5-7)

ADDITIONAL COURSES (12-14 credits)
CHEM 202(3) and CHEM 203(3) or CHEM 210(3), CHEM 212(3), and CHEM 213(2) (Sem: 3-4)
Select 6 credits from CH E 435(3), or CHEM 402(3), CHEM 406(3), CHEM 408(3), CHEM 410(3), CHEM 412(3), CHEM 423W(3), CHEM 425(4) (Sem: 5-7)

SUPPORTING COURSES AND RELATED AREAS (6 credits)
Select 6 credits in CHEM or chemistry-related fields at the 200 level or higher (e.g., B M B 211 and B M B 212, B M B 251, B M B 252, MICRB 251, MICRB 442, FD SC 400, AN SC 301, NUTR 251, CHEM, CH E) (Sem: 5-7)

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

EARTH AND SPACE SCIENCE TEACHING OPTION: (57-62 credits)

PRESCRIBED COURSES (22 credits)
MATH 140 GQ(4), BIOL 110 GN(4), CHEM 110 GN(3), CHEM 112 GN(3), CHEM 111 GN(1), CHEM 113 GN(1) (Sem: 1-2)
SCIED 411(3), SCIED 412(3) (Sem: 5-7)

ADDITIONAL COURSES (27-33 credits)
GEOSC 001(3), GEOSC 020 GN(3) or GEOSC 071(3) (Sem: 1-3)
MATH 141 GQ(4) or 4 credits of 200-level STAT GQ courses (Sem: 1-4)
PHYS 250 GN(4) and PHYS 251 GN(4), or PHYS 211 GN(4) and PHYS 212 GN(4), or PHYS 211 GN(4) and PHYS 213 GN(2) (Sem: 1-4)
GEOSC 021 GN(3) or GEOSC 204(4); EARTH 100 GN(3), EARTH 101 GN;US(3), EARTH 103 GN(3) or EARTH 105 GN;IL(3); METEO 003 GN(3), METEO 201(3), or METEO 300(4); ASTRO 010 GN(2) and ASTRO 011 GN(1), or ASTRO 291 GN(3) (Sem: 1-5)
GEOSC 040 GN(3), GEOSC 440(3) or GEOSC 445(4); or METEO 022(2); or BIOL 435(3) or BIOL 482(4) (Sem: 3-6)

SUPPORTING COURSES AND RELATED AREAS (8 credits)
Select 8 credits from EARTH, GEOSC, METEO, ASTRO, other earth science field, or BIOL 427(3) (Sem: 5-7)

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option’s requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

ENGLISH/COMMUNICATION TEACHING OPTION: (54 credits) [Note: Must complete at least 3 credits of IL and 3 credits of US Cultures selections.]

LANGUAGE AND LITERATURE CORE: (36 credits)

PRESCRIBED COURSES (12 credits)
ENGL 444(3) (Sem: 5-6)
LL ED 411(3), LL ED 412W(3), LL ED 420(3) (Sem: 5-8)

ADDITIONAL COURSES (24 credits)
Select 3 credits from each cluster (a-h) below:
(a) 200-level British or U.S. Literature Survey (Sem: 3-6)
ENGL 221 GH(3), ENGL 221W(3), ENGL 222 GH(3), ENGL 222W(3), ENGL 231 GH(3), ENGL 231W, ENGL 232 GH(3), ENGL 232W(3)

(b) Elements of Literature (Sem: 3-6)
ENGL 201(3), ENGL 261(3), ENGL 262 GH(3), ENGL 263 GH(3), ENGL 265 GH(3), ENGL 268 GH(3), ENGL 401(3), ENGL 401W(3), COMM 261(3)

(c) 400-level Comparative Literature/Literature of Diverse Cultures (Sem: 5-8)

(d) 400-level Topics in American Literature (Sem: 5-8)
ENGL 430(3), ENGL 432(3), ENGL 433(3), ENGL 434(3), ENGL 435(3), ENGL 436(3), ENGL 437(3), ENGL 438(3), or ENGL 439(3), ENGL 492(3); ENGL 401(3), ENGL 402(3), ENGL 404(3) when topic appropriate (with adviser's approval)

(e) Topics in British Literature (Sem: 5-8)
ENGL 440(3), ENGL 441(3), ENGL 442(3), ENGL 443(3), ENGL 445(3), ENGL 446(3), ENGL 447(3), ENGL 448(3), ENGL 450(3), ENGL 452(3), ENGL 453(3), ENGL 454(3), ENGL 455(3), ENGL 456(3), ENGL 457(3), ENGL 458(3), ENGL 489(3); ENGL 401(3), ENGL 402(3), ENGL
404(3) when topic appropriate (with adviser's approval)

(f) Grammar, Language, and Linguistics (Sem: 5-6)
ENGL 100(3), ENGL 407(3), ENGL 417(3), or LING 100 GS(3)

(g) Creative Writing and/or Advanced Composition (Sem: 5-6)

(h) Rhetoric (Sem: 7-8)

MEDIA LITERACIES CORE: (18 credits)

PRESCRIBED COURSES (3 credits)
LL ED 480(3) (Sem: 5-6)

ADDITIONAL COURSES (15 credits)

(a) Mass Media. Select 3 credits from:
COMM 100 GS(3), COMM 118 GS(3), COMM 150 GA(3), COMM 205 US(3), COMM 411(3), COMM 413W(3) (Sem: 1-4)

(b) Speech and Oral Performance. Select 3 credits from:
CAS 211(3), CAS 213(3), CAS 215(3), CAS 250(3), CAS 271 US;IL(3), CAS 280W(3) or CAS 480(3), CAS 375(3), CAS 422 US(3), THEA 102 GA(3) (Sem: 4-8)

(c) Media Literacy. Select 9 credits within one, or across several, of the following media literacy areas:

Multimedia

Theatre

Journalism
COMM 260W(3), COMM 261 GH(3), COMM 269(3), COMM 409(3), COMM 460W(3), COMM 461(3), COMM 462(3), COMM 467(3), COMM 497 when topic appropriate (with adviser's approval) (Sem: 3-8)

Communication Arts and Sciences

Creative Writing
ENGL 210(3), ENGL 212(3), ENGL 213(3), ENGL 215(3), ENGL 281(3), ENGL 412(3), ENGL 413(3), ENGL 422(3), ENGL 423(3), ENGL 425(3) Sem: (3-8)

Instructional Systems:
EDTEC 400(1-3), EDTEC 448(3), EDTEC 566(3), INSYS 200(3), INSYS 441(3), INSYS 446(3) (Sem: 3-8)
Bilingual Education and World Languages:
APLNG 482Y IL(3), APLNG 491(3), APLNG 493 IL(3), CAS 271 US;IL(3), CAS 471 US;IL(3), LL ED 445(3), WL ED 411(3), WL ED 412W(3), WL ED 414(3), WL ED 422(3), or a foreign language credits at the 12th credit level or above (Sem: 3-8)

ENVIRONMENTAL EDUCATION TEACHING OPTION: (55-58 credits)[18]

PRESCRIBED COURSES (24 credits)
CHEM 101 GN(3), MATH 140 GQ(4) (Sem: 1-3)
BIOL 110 GN(4), BIOL 220W GN(4) (Sem: 1-4)
SCIED 411(3), SCIED 412(3), SCIED 457(3) (Sem: 5-7)

ADDITIONAL COURSES (7-8 credits)
CHEM 020(3) and CHEM 021(1); or CHEM 110 GN(3) and CHEM 111 GN(1) (Sem: 1-3)
BIOL 240W GN(4), W F S 407(3) or W F S 408(3) (Sem: 3-5)

SUPPORTING COURSES AND RELATED AREAS (24-26 credits)
Select two courses (6-8 credits) in environmental law, economics, management and policy (e.g., AG ED 201; ECON 428; E R M 411, E R M 412, E R M 413W; W F S 410, W F S 447W, W F S 463W) (Sem: 4-7)
Select 4 credits of an environmentally related course in Science Technology and Society (e.g., S T S 047, S T S 135 GS, S T S 327, S T S 420, S T S 460, S T S 471) (Sem: 5-7)
Select at least 14 credits from the cohort Teaching option (see Note 1)

Note 1: This option may only be completed in conjunction with another secondary teaching option, such as the Biological Science Teaching option.

Note 2: Students may complete multiple science teaching options concurrently by completing all of each option’s requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 3: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

GENERAL SCIENCE TEACHING OPTION: (38 credits)[18]

PRESCRIBED COURSES (22 credits)
CHEM 110 GN(3), CHEM 111 GN(1), CHEM 112 GN(3), CHEM 113 GN(1), MATH 140 GQ(4) (Sem: 1-3)
BIOL 110 GN(4) (Sem: 1-4)
SCIED 411(3), SCIED 412(3) (Sem: 5-7)

ADDITIONAL COURSES (16 credits)
BIOL 220W GN(4), BIOL 230W GN(4), or BIOL 240W GN(4) (Sem: 3-5)
MATH 141 GQ(4) or 4 credits of 200-level STAT GQ courses (Sem: 3-5)
PHYS 250 GN(4) and PHYS 251 GN(4) or PHYS 211 GN(4) and PHYS 212 GN(4) (Sem: 3-5)

Note 1: This option may only be completed in conjunction with another secondary teaching option, such as Biology.

Note 2: Students may complete multiple science teaching options concurrently by completing all of each option’s requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 3: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.
MATHEMATICS TEACHING OPTION: (57-59 credits)

PRESCRIBED COURSES (35-37 credits)
MATH 140 GQ(4), MATH 141 GQ(4) (Sem: 1-2)
MATH 220 GQ(2-3), MATH 311W(3-4) (Sem: 3-6)
MATH 310(3), MATH 312(3), MATH 414(3), MATH 471(4), MTHED 411(3), MTHED 412W(3), MTHED 427(3) (Sem: 5-8)

ADDITIONAL COURSES (16 credits)
CMPSC 101 GQ(3) or CMPSC 121 GQ(3); MATH 230(4) or MATH 231(2) and MATH 232(2); STAT 401(3) or MATH 415(3) or 3 credits of MTHED from program list; MATH 435(3) or MATH 470(3); MATH 436(3) or MATH 441(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (6 credits)
Select 6 credits from 400-level MATH or MTHED courses (Sem: 5-8)

PHYSICS TEACHING OPTION: (55-62 credits)

PRESCRIBED COURSES (45-46 credits)
CHEM 110 GN(3), CHEM 111 GN(1), CHEM 112 GN(3), CHEM 113 GN(1), MATH 140 GQ(4), MATH 141 GQ(4) (Sem: 1-3)
PHYS 211 GN(4), PHYS 212 GN(4) (Sem: 3-4)
MATH 220 GQ(2-3), PHYS 213 GN(2), PHYS 214 GN(2) (Sem: 3-6)
PHYS 237(3), PHYS 400(3), PHYS 419(3), SCIED 411(3), SCIED 412(3) (Sem: 5-7)

ADDITIONAL COURSES (6-12 credits)
PHYS 457(1-3), or PHYS 402(4) or PHYS 458(4); MATH 230(4) or MATH 231(2); MATH 250(3) or MATH 251(4) (Sem: 3-6)

SUPPORTING COURSES AND RELATED AREAS (4 credits)
Introductory biological sciences survey courses [e.g., BIOL 110 GN(4)] (Sem: 3-6)

Note 1: Students may complete multiple science teaching options concurrently by completing all of each option's requirements. The six science teaching options are: Biology, Chemistry, Earth and Space Science, Environmental Education, General Science, and Physics.

Note 2: Red Cross certification in First Aid and CPR (or their equivalent) must be earned for science certification.

SOCIAL STUDIES TEACHING OPTION: (57 credits)

PRESCRIBED COURSES (24 credits)
ECON 104 GS(3), GEOG 010 GN(3), GEOG 020 GS(3), HIST 020 GH;US(3), HIST 021 GH;US(3), PL SC 001 GS(3) (Sem: 1-6)
SS ED 411(3), SS ED 412W(3) (Sem: 5-8)

ADDITIONAL COURSES (12 credits)
Select 3 credits from HIST 001 GH;IL(3) or HIST 010 GH;IL(3) (Sem: 1-6)
Select 3 credits from HIST 002 GH;IL(3) or HIST 011GH;IL(3) (Sem: 1-6)
Select 3 credits from GEOG 030 GS;IL(3), GEOG 040 GS;IL(3), or GEOG 160 GS(3) (Sem: 1-8)
Select 3 credits from: ANTH 045 GS;US;IL(3), ECON 102 GS(3), PL SC 003 GS;IL(3), PL SC 014 GS;IL(3), SOC 001 GS(3), SS ED 200 US(3) (Sem: 1-8)

SUPPORTING COURSES AND RELATED AREAS (21 credits)
Select 6 credits of 400-level History (Sem: 5-8)

Select one concentration (15 credits) below:
Citizenship Education
Select 3 credits from: ECON 102 GS(3), ECON 302 GS(3), ECON 304 GS(3), ECON 315 GS(3), ECON 323 GS(3), ECON 333 GS(3), or ECON 342 GS(3) (Sem: 1-8)
Select 3 credits from: GEOG 030 GS;IL(3), GEOG 040 GS;IL(3), GEOG 120 GS;US;IL(3), GEOG 122 GH;US(3), GEOG 123 GS;IL(3), GEOG 124 GS;IL(3), GEOG 126 GS;US;IL(3), GEOG 128 GS;IL(3), GEOG 130 GS(3), or GEOG 160 GS(3) (Sem: 1-8)
Select 3 credits from: PL SC 003 GS;IL(3), PL SC 007 GS(3), PL SC 014 GS;IL(3), PL SC 110 GS;US(3), PL SC 123 GS;US;IL(3), PL SC 125(3), or PL SC 130 GS;US(3) (Sem: 1-8)
Select 6 credits from SS ED 200 US(3) or HIST at the 100-level or above (Sem: 1-8)

Civics and Government
PL SC 003 GS;IL(3) (Sem: 1-8)
PL SC 014 GS;IL(3) (Sem: 1-8)
Select 3 credits from: PL SC 007 GS(3), PL SC 110 GS;US(3), PL SC 123 GS;US;IL(3), PL SC 125(3), or PL SC 130 GS;US(3) (Sem: 1-8)
Select 6 credits of 400-level Political Science (Sem: 5-8)

Economics
ECON 102 GS(3) (Sem: 1-8)
ECON 302 GS(3) (Sem: 1-8)
ECON 304 GS(3) (Sem: 1-8)
Select 6 credits of 400-level Economics (Sem: 5-8)

Geography
GEOG 160 GS(3) (Sem: 1-8)
Select 3 credits from: GEOG 120 GS;US;IL(3), GEOG 122 GH;US(3), GEOG 123 GS;IL(3), GEOG 124 GS;IL(3), GEOG 126 GS;US;IL(3), GEOG 128 GS;IL(3), or GEOG 130 GS(3) (Sem: 1-8)
Select 3 credits from GEOG 110 GN(3), GEOG 111 GN(3), or GEOG 115 GN(3) (Sem: 1-8)
Select 6 credits of 400-level Geography (Sem: 5-8)

Social Sciences
Select 9 credits of Anthropology, Psychology, and/or Sociology below the 400 level (Sem: 1-8)
Select 6 credits of 400-level Anthropology, Psychology, and/or Sociology (Sem: 5-8)

Note 1: Courses taken to meet Additional Courses and other Supporting Courses and Related Areas requirements cannot also be applied to the concentration. Different courses need to be selected for the concentration and Additional Courses and other Supporting Courses and Related Areas requirements.

[18] A grade of C or better per course is required for teacher certification.
Special Education

University Park, College of Education (SPLED)

PROFESSOR KATHLEEN McKINNON, Coordinator of Teacher Education in Special Education

The emphasis throughout the Special Education program is upon a broad clinical teaching model. Course work and practicum experiences focus upon the diagnosis and management of a wide range and degree of educational and behavioral problems of students with disabilities between the ages of 3 and 21. A core of Special Education courses aimed at general skill development in the areas of diagnosis, prescription, development of materials and teaching strategies, implementation, and evaluation is required of all students.

This major focuses on teaching principles and methodologies, classroom and behavioral management, and the development of teaching materials for children and youths with mild, moderate, and severe disabilities. This program helps prepare special education teachers to meet the needs of students enrolled in elementary and secondary public school special education programs.

Baccalaureate degree candidates must meet the following requirements 1-3 by the end of their third semester:
1. A minimum cumulative grade point average of 3.00
2. Satisfaction of any basic-skills or entrance testing requirements as specified by the Pennsylvania Department of Education in force at the time of application for entrance to the major.
3. Documentation of at least 80 hours of volunteer or paid education work experience with learners of the age group the candidate plans to teach. Candidates for Special Education must document two separate 40-hour experiences in two different settings, with learners who have special needs. One experience should include learners with a different level of severity or functioning (e.g., mild/severe, young/adult) from those learners in the other experience. One experience should also include learners with cultural, social, or ethnic backgrounds different from the candidates own.

Requirements 4-9 must be met by the end of the fourth semester when students typically participate in the Entrance to Major process.

4. A grade of "C" or better in all specified courses.
5. Completion of an early field experience specified by the certification program.
6. Completion of a core of Education courses specified by the certification program.
7. Completion of additional credits as specified by the certification program.
8. Completion of at least 48 semester credit hours, including ENGL 015 GWS(3) or ENGL 030 GWS(3), three credits of literature, and six credits of quantification.
9. Approval from the professional education adviser or the head of the pertinent certification program.

For the B.S. degree in Special Education, 122 credits are required. (See also Teacher Education Programs.)

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(12-15 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selections)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES or GENERAL EDUCATION course selections)

WRITING ACROSS THE CURRICULUM:
(Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 3 credits

REQUIREMENTS FOR THE MAJOR: 86 credits
(This includes 12 credits of General Education courses: 6 credits of GQ courses; 6 credits of GS courses.)

PRESCRIBED COURSES (86 credits)
EDPSY 010 GS(3), EDPSY 014(3), EDPSY 101 GQ(3), EDTHP 115 US(3), MATH 200 GQ(3),
PSYCH 100 GS(3), PSYCH 212 GS(3) (Sem: 1-4)
Red Cross Certification in First Aid and CPR(0) (Sem: 1-8)
EDPSY 421(3), SPLED 395W(3), SPLED 401(4), SPLED 404(3), SPLED 408(3), SPLED 411(3),
SPLED 412(4), SPLED 454(4), SPLED 425(4), SPLED 495E(3) (Sem: 5-6)
SPLED 409A(3), SPLED 409B(3), SPLED 409C(3), SPLED 418(3), SPLED 495F(15), SPLED
495G(4) (Sem: 7-8)

Integrated B.S. in Special Education - M.Ed. in Curriculum and Instruction

The Special Education and Curriculum and Instruction with Emphasis in Language and Literacy Education Integrated Undergraduate-Graduate (SE/CI-LL ED IUG) Degree Program consists of integration of required courses for a B.S. in Special Education with courses required for certification as a Reading Specialist and a M.Ed. in Curriculum and Instruction with emphasis in Language and Literacy Education. The five-year, SE/CI-LLED IUG is an option for highly qualified students seeking certification to teach Special Education in Pennsylvania in grades K-12. Completion of the IUG (along with earning a passing score on PDE required PRAXIS tests) leads to a B.S. in Special Education, certification in Special Education and as a Reading Specialist in the state of Pennsylvania, and a M.Ed. in Curriculum and Instruction. Students are expected to complete courses required for the graduate level K-12 reading specialist concurrent with their undergraduate experiences and coursework in Special Education and will complete a capstone Special Education teaching experience in their final semester.

Time of Admission to SE/CI-LLED IUG

Students wishing to apply for admission to the SE/CI-LLED IUG initiate application during the semester in which they complete SPLED 495E. They finalize the application process at the end of the semester with a grade of B or better in SPLED 412. While this is typically the end of the junior year of study, it may fall sooner or later.

Joint Admission Process

Special Education and Curriculum and Instruction are located in the College of Education, with Reading Specialist certification offered through the Department of Curriculum and Instruction’s emphasis area in Language and Literacy Education. Admission to the SE/CI-LLED IUG will be based upon having attained a minimum GPA of 3.5 or higher, with a grade of B or better in SPLED 412.
Admission will be based on a recommendation by the Reading Specialist Program Coordinator in consultation with the Coordinator of Teacher Education in Special Education.

Students will be expected to maintain a minimum GPA of 3.0 throughout the IUG program of study. Failure to do so will result in the student being placed on academic probation for one semester; after which time, if the GPA is not 3.0 or higher, the student will be dropped from the IUG.

If the student decides not to continue enrollment in the joint SE/CI-LLED IUG, the student may, contingent upon fulfilling all other requirements for the B.S. in SPLED, complete SPLED 495 (the traditional capstone field experience) in their final semester and graduate with a B.S. in Special Education.

Advising

Beginning during the application process, as well as subsequent to admission, students should communicate with both their SPLED program adviser and the program adviser for the C I Reading Specialist program to ensure requirements of both programs are met.

Reduced Course Load

EDPSY 421 and LL ED 595A may be double counted for the M.Ed. as well as the B.S. degree.

Tuition Charges

Undergraduate tuition rates will apply as long as the student is an undergraduate, unless the student receives financial support, for example, an assistantship requiring payment of graduate tuition (from "Information and Guidelines for Establishing Integrated Undergraduate-Graduate Degree Programs" - approved by the Graduate Council, May 8, 1996).

[19] Students may apply 3 credits of ROTC.
[21] A grade of C or better per course is required for all Special Education prerequisites and teacher certification.

Last Revised by the Department: Spring Semester 2015
Blue Sheet Item #: 43-05-032
Review Date: 2/24/2015
R & T: 01/14/2014
UCA Revision #1: 8/14/06
ED
Coordinator updated: 8/21/08

Workforce Education and Development

University Park, College of Education (WF ED)
PROFESSOR MARK THREETON, Undergraduate Coordinator
This major leads to the B.S. degree and may also lead to certification as a career and technical education teacher, and/or a coordinator of cooperative education, provided other requirements of the Pennsylvania Department of Education are met. The Industrial Training option does not lead to teacher certification.

To be certified by the Pennsylvania Department of Education as a career and technical education teacher, a person must have sufficient employment experience beyond the learning period to establish competency in the occupation to be taught. Further interpretation of this requirement may be secured by contacting the Department of Learning and Performance Systems. (See also Teacher Education Programs.)

Baccalaureate degree candidates must meet the following requirements by the end of their fourth semester to be admitted to the Workforce Education (WF ED) major:

1. Complete ECON 102 GS(3) or ECON 104 GS(3); EDPSY 014(3), EDTHP 115(3), ENGL 015 GWS(3) or ENGL 030 GWS(3), WF ED 101(1)
2. Complete 3 credits in literature (GH)
3. Complete 6 credits in Quantification (GQ)
4. Minimum 3.00 cumulative GPA
5. Meet PRAXIS PPST-READING current qualifying scores
6. Meet PRAXIS PPST-WRITING current qualifying scores
7. Meet PRAXIS PPST-MATHEMATICS current qualifying scores
8. Complete and document a minimum of 80 hours of experience

For the B.S. degree in Workforce Education and Development, a minimum of 124 credits is required.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(3 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
(Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
(Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
( Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 0-1 credits

REQUIREMENTS FOR THE MAJOR: 81-82 credits
(This includes 3 credits of General Education GS courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 38 credits

PRESCRIBED COURSES (35 credits)
ECON 102 GS(3) or ECON 104 GS(3); EDPSY 014(3), EDTHP 115(3), WF ED 001(3), WF ED 101(1), WF ED 105(3), WF ED 323(3) (Sem: 3-6)
WF ED 445(3) (Sem: 3-8)
WF ED 106(3), WF ED 207W(3), WF ED 413(3), WF ED 441(2) (Sem: 5-8)
WF ED 442(2) (Sem: 7-8)

ADDITIONAL COURSES (3 credits)
WF ED 450 US;IL(3), INSYS 100 GS;IL(3), or S T S 245 GS;IL(3) (Sem: 3-6)

**REQUIREMENTS FOR THE OPTION:** 43-44 credits

**HEALTH OCCUPATIONS EDUCATION OPTION:** (43 credits)[18]

**PRESCRIBED COURSES** (34 credits)
WF ED 395C(24) (Sem: 5-8)
WF ED 495C(10) (Sem: 7-8)

**SUPPORTING COURSES AND RELATED AREAS** (9 credits)
Select 9 credits in course work related to the student's field of study (Sem: 3-8)
(Students may apply 6 credits of ROTC.)

**INDUSTRIAL EDUCATION OPTION:** (43 credits)[18]

**PRESCRIBED COURSES** (34 credits)
WF ED 395A(24) (Sem: 5-8)
WF ED 495C(10) (Sem: 7-8)

**SUPPORTING COURSES AND RELATED AREAS** (9 credits)
Select 9 credits of course work related to the student's field of study (Sem: 3-8)
(Students may apply 6 credits of ROTC.)

**INDUSTRIAL TRAINING OPTION:** (44 credits)[18]

**PRESCRIBED COURSES** (35 credits)
WF ED 270(3) (Sem: 3-6)
WF ED 471(3) (Sem: 5-6)
WF ED 395D(24) (Sem: 5-8)
WF ED 495D(5) (Sem: 7-8)

**SUPPORTING COURSES AND RELATED AREAS** (9 credits)
Select 9 credits in course work related to the student's field of study (Sem: 3-8)
(Students may apply 6 credits of ROTC.)

**OCCUPATIONAL HOME ECONOMICS EDUCATION OPTION:** (43 credits)[18]

**PRESCRIBED COURSES** (34 credits)
WF ED 395B(24) (Sem: 5-8)
WF ED 495C(10) (Sem: 7-8)

**SUPPORTING COURSES AND RELATED AREAS** (9 credits)
Select 9 credits in course work related to the student's field of study (Sem: 3-8)
(Students may apply 6 credits of ROTC.)

[18] A grade of C or better per course is required for teacher certification.

Last Revised by the Department: Summer Session 2009
Blue Sheet Item #: 37-04-013
Review Date: 1/13/09

**World Languages (K-12) Education**

*University Park, College of Education (WL ED)*
The World Languages Education major helps prepare students for kindergarten through high school teaching positions and for other employment in fields related to their content language areas.

The following teaching options are available for majors in World Languages Education: Bilingual Education, English as a Second Language, French, German, Latin, Russian, and Spanish. Pennsylvania does not issue a teacher certificate in Bilingual Education; many other states do. Completers of the English as a Second Language (ESL) option may qualify for the Pennsylvania Program Specialist: ESL credential if they hold a Pennsylvania teacher certificate.

**BILINGUAL EDUCATION TEACHING OPTION:** Although Pennsylvania does not issue a teacher certificate in Bilingual Education, other states do. Thus, completion of this option as well as any tests or requirements stipulated by the pertinent state department of education (other than Pennsylvania) should lead to a teacher certificate in Bilingual Education. In addition to the Common Requirements of the World Languages Education major, candidates select one of the language emphases, i.e., French, German, Latin, Russian, or Spanish, complete the courses associated with that emphasis and also the Common Requirements for all Emphases. Consequently, candidates also become eligible for teacher certification in the language selected as their language emphasis. Further, completers of this B.S. degree and option may also become eligible for the English as a Second Language (ESL) credential by completing six additional credits, i.e., APLNG 410 or APLNG 484, and APLNG 493.

Candidates are expected to have taken their choice of language coursework beyond the intermediate level to be eligible for enrollment in FR 201, or GER 201, or LATIN 400, or RUS 204, or SPAN 200. In general, students are encouraged to take at least one course in the chosen language each semester without interruption. Participation in an approved Education Abroad Study Program is required, typically during semester six.

**ENGLISH AS A SECOND LANGUAGE (ESL) TEACHING OPTION:** This option will lead to a baccalaureate degree only in conjunction with one of the other companion World Language Education Teaching options.

The ESL Teaching option is a joint offering of the Department of Curriculum and Instruction in the College of Education and the Department of Linguistics and Applied Language Studies in the College of the Liberal Arts. Dr. Youb Kim, Assistant Professor of Education and Applied Linguistics, and Joan Kelly Hall, Professor of Linguistics and Applied Linguistics, are co-directors of the program.

This option prepares candidates for advanced work in ESL and for the Pennsylvania teacher credential Program Specialist: English as a Second Language (ESL). However, the Pennsylvania Department of Education only issues the Program Specialist: ESL credential to holders of Pennsylvania Instructional I or II certificates. Thus, completers of another World Languages Education Teaching option may first seek the Pennsylvania Instructional certificate in that language and may then add the Program Specialist: ESL credential, subsequently.

**FRENCH TEACHING OPTION:** Completion of this option and pertinent tests required by the Pennsylvania Department of Education lead to the Pennsylvania Instructional I teacher certificate in French. Candidates are expected to have taken French coursework beyond the intermediate level to be eligible for enrollment in FR 201. In general, students are encouraged to take at least one course in French each semester without interruption. Participation in an approved Education Abroad Study Program is required, typically during semester six.
GERMAN TEACHING OPTION: Completion of this option and pertinent tests required by the Pennsylvania Department of Education lead to the Pennsylvania Instructional I teacher certificate in German. Candidates are expected to have taken German coursework beyond the intermediate level to be eligible for enrollment in GER 201. In general, students are encouraged to take at least one course in German each semester without interruption. Participation in an approved Education Abroad Study Program is required, typically during semester six.

LATIN TEACHING OPTION: Completion of this option and pertinent tests required by the Pennsylvania Department of Education lead to the Pennsylvania Instructional I teacher certificate in Latin. Candidates are expected to have taken Latin coursework beyond the intermediate level to be eligible for enrollment in LATIN 400. In general, students are encouraged to take at least one course in Latin each semester without interruption. Participation in an approved Education Abroad Study Program is highly recommended, typically during semester six.

RUSSIAN TEACHING OPTION: Completion of this option and pertinent tests required by the Pennsylvania Department of Education lead to the Pennsylvania Instructional I teacher certificate in Russian. Candidates are expected to have taken Russian coursework beyond the intermediate level to be eligible for enrollment in RUS 204. In general, students are encouraged to take at least one course in Russian each semester without interruption. Participation in an approved Education Abroad Study Program is required, typically during semester six.

SPANISH TEACHING OPTION: Completion of this option and pertinent tests required by the Pennsylvania Department of Education lead to the Pennsylvania Instructional I teacher certificate in Spanish. Candidates are expected to have taken Spanish coursework beyond the intermediate level to be eligible for enrollment in SPAN 110. In general, students are encouraged to take at least one course in Spanish each semester without interruption. Participation in an approved Education Abroad Study Program is required, typically during semester six.

Baccalaureate degree candidates must meet the following requirements 1-3 by the end of their third semester:
1. A minimum cumulative grade point average of 3.00
2. Either qualifying scores from the PECT PAPA for Reading, Writing and Mathematics; or qualifying SAT scores for the combined and individual Critical Reading, Writing, and Mathematics sections; or qualifying American College Test Plus Writing composite and individual English/Writing score and Math score as specified by the Pennsylvania Department of Education.
3. Documentation of at least 80 hours of volunteer or paid education work experience with learners of the age group the candidate plans to teach. Candidates for World Languages Education must document 40 of these hours with learners who come from backgrounds that are different from the candidate's.

Requirements 4-9 must be met by the end of the fourth semester when students typically participate in the Entrance to Major process.

4. A grade of "C" or better in all specified courses.
5. Completion of an early field experience specified by the certification program.
6. Completion of a core of Education courses specified by the certification program.
7. Completion of additional credits as specified by the certification program.
8. Completion of at least 48 semester credit hours, including ENGL 015 GWS(3) or ENGL 030 GWS(3), three credits of literature, and six credits of quantification
9. Language proficiency as described below.
10. Approval from the professional education adviser or the head of the pertinent
certification program.

French Option:
Proficiency equivalent through FR 003
Literature selection options in language: FR 351 or 352
FR 201 and 202

Spanish Option:
Proficiency equivalent through SPAN 003
Literature selection options in language: SPAN 210, 220, or 253
SPAN 215

German Option:
Proficiency equivalent through GER 003
Literature selection options in language: GER 310
GER 201

Russian Option:
Proficiency equivalent through: RUS 003
Literature selection options in language: RUS 304
RUS 204

Latin Option:
Proficiency equivalent through: LATIN 003
Literature selection options in language: CAMS 045, LATIN 404

For the B.S. degree in World Languages Education with a dual certification option in Bilingual Education Teaching, a minimum of 140 credits is required; with an option in English as a Second Language (ESL) Teaching, a minimum of 136 credits is required, i.e., a minimum of 123 credits for the companion World Languages Education Teaching option selected, plus 12 credits to meet eligibility for the Program Specialist: ESL credential; with an option in French Teaching, a minimum of 128 credits is required; with an option in German Teaching, a minimum of 126 credits is required; with an option in Latin Teaching, a minimum of 125 credits is required; with an option in Russian Teaching, a minimum of 124 credits is required; with an option in Spanish Teaching, a minimum of 128 credits is required. (See also Teacher Education Programs.)

Scheduling Recommendations by Semester Standing given like (Sem: 1-2)

GENERAL EDUCATION: 45 credits
(9-12 of these 45 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

FIRST-YEAR SEMINAR:
( Included in ELECTIVES or GENERAL EDUCATION course selection)

UNITED STATES CULTURES AND INTERNATIONAL CULTURES:
( Included in ELECTIVES, GENERAL EDUCATION course selection, or REQUIREMENTS FOR THE MAJOR)

WRITING ACROSS THE CURRICULUM:
( Included in REQUIREMENTS FOR THE MAJOR)

ELECTIVES: 1 credit

REQUIREMENTS FOR THE MAJOR: 88-106 credits
(This includes 9-12 credits of General Education GS and GH courses.)
COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS): 55 credits [18]

PRESCRIBED COURSES (52 credits)
EDPSY 014(3), EDTHP 115(3), HD FS 229 GS(3), C I 295(3), WL ED 300(3) (Sem: 1-4)
WL ED 495B(3), WL ED 495C(3) (Sem: 5-8)

ADDITIONAL COURSES (3 credits)
PSYCH 412(3) or HD FS 239 GS(3) (Sem: 3-6)

REQUIREMENTS FOR THE OPTION: 33-51 credits

BILINGUAL EDUCATION TEACHING OPTION: (48-51 credits)

PRESCRIBED COURSES (9 credits)
WL ED 414(3), WL ED 422(3), WL ED 444(3) (Sem 5-7)

ADDITIONAL COURSES (39-42 credits)
Select 6 credits of 300- or 400-level option-related courses, with departmental
recommendation (Sem: 5-7)
Select 33-36 credits from one of the following emphases areas (proficiency in the
language of choice must be demonstrated by either examination or coursework
equivalent to the completion of 12 credits in order to enroll in FR 201 or GER 201 or
LATIN 400 or RUS 204 or SPAN 110):

a. French Emphasis (36 credits)
   Prescribed Courses (24 credits)
   FR 201 IL(3), FR 202(3), FR 331(3), FR 332(3) (Sem: 3-5)
   FR 316(3), FR 401(3), FR 402Y(3), FR 440(3) (Sem: 5-8)
   Additional Courses (12 credits)
   Select 3 credits from FR 137 GH;IL(3), FR 138 GH(3), FR 139 GH;IL(3) (Sem: 1-4)
   Select 3 credits from FR 351(3), FR 352(3), FR 460(3) (Sem: 4-7)
   Select 3 credits from FR 417(3), FR 418(3) (Sem: 4-7)
   Select 3 credits from FR 430(3), FR 458 IL(3), FR 470 IL(3), FR 471 IL(3), FR 489(3) (Sem:
   5-7)

b. German Emphasis (34 credits)
   Prescribed Courses (19 credits)
   GER 201 IL(4), GER 301 IL(3), GER 310 IL(3), GER 344 IL(3), GER 401Y IL(3), GER 411(3)
   (Sem: 3-7)
   Additional Courses (15 credits)
   Select 3 credits from GER 157 GH;US(3), GER 200 GH;IL(3) (Sem: 1-4)
   Select 3 credits from GER 412 IL(3), GER 430 IL(3) (Sem: 4-6)
   Select 3 credits from GER 431 IL(3), GER 432 IL(3) (Sem: 4-6)
   Select 3 credits from GER 480 IL(3), GER 481 IL(3), GER 482 IL(3) (Sem: 4-6)
   Select 3 credits from GER 399 IL(3), GER 440 IL(3), GER 482 IL(3), GER 497(1-9), GER 499
   IL(3) (Sem: 5-8)

c. Latin Emphasis (33 credits)
   Prescribed Courses (24 credits)
   CAMS 005 GH;IL(3), CAMS 050 GH(3), CAMS 400W(3), LATIN 404(3), LING 102 GH(3) (Sem:
   3-5)
   LATIN 402(3), LATIN 403(3), LATIN 450W(3) (Sem: 5-8)
   Additional Courses (9 credits)
   Select 3 credits from ANTH 045 GS;US;IL(3), CAMS 033 GH;IL(3), CAMS 045 GH;IL(3) (Sem:
   1-4)
   Select 3 credits from CAMS 101 GH;IL(3), CAMS 150 GH;IL(3) (Sem 3-5)
Select 3 credits from CAMS 440W(3), CAMS 497(1-9), LATIN 400(3), LATIN 420(3), LATIN 497(1-9) (Sem: 5-8)

d. Russian Emphasis (35 credits)
Prescribed Courses (23 credits)
RUS 204 IL(4), RUS 214 IL(4) (Sem: 3-5)
RUS 304 IL(3), RUS 305 IL(3), RUS 400 IL(3), RUS 412 IL(3), RUS 450 IL(3) (Sem: 5-8)
Additional Courses (12 credits)
Select 3 credits from RUS 100 GH;IL(3), RUS 110 GH;IL(3), RUS 120 GH;IL(3) (Sem: 1-4)
Select 3 credits from RUS 130 IL(3), RUS 141Y(3), RUS 142Y(3), RUS 143 GH;IL(3) (Sem: 1-4)
Select 3 credits from RUS 450 IL(3), RUS 497(1-9) (Sem: 1-4)
Select 3 credits from RUS 426 IL(3), RUS 427 IL(3), RUS 494(3), RUS 497(1-9), RUS 499 IL(3) (Sem: 5-8)

e. Spanish Emphasis (33 credits)
Prescribed Courses (21 credits)
SPAN 110(3), SPAN 215(3), SPAN 253W(3), (Sem: 3-5)
SPAN 410(3), SPAN 412(3), SPAN 414(3), SPAN 440(3) (Sem: 5-8)
Additional Courses (12 credits)
Select 3 credits from SPAN 210(3), SPAN 220(3) (Sem: 1-4)
Select 3 credits from SPAN 415(3), SPAN 418(3) (Sem: 5-8)
Select 3 credits from SPAN 305(3), SPAN 353(3), SPAN 354(3), SPAN 355(3), SPAN 356(3), SPAN 399 IL(3) (Sem: 4-6)
Select 3 credits from SPAN 399 IL(3), SPAN 472(3), SPAN 476(3), SPAN 490(3), SPAN 491(3), SPAN 497(1-9) (Sem: 5-8)

ENGLISH AS A SECOND LANGUAGE (ESL) TEACHING OPTION: (45-49 credits)
Select 33-37 credits: This option must be taken in conjunction with one of the other World Languages Education Teaching Options.

PRESCRIBED COURSES (9 credits)
APLNG 493(3), WL ED 444(3), WL ED 483(3) (Sem: 4-7)

ADDITIONAL COURSES (3 credits)
APLNG 410(3) or APLNG 484(3) (Sem: 5-7)

Holders of a baccalaureate degree and a valid Pennsylvania Instructional certificate, who seek only the Program Specialist: English as a Second Language credential, must complete the 15 credits of Prescribed and Additional Courses listed below. Typically, they do so in connection with other post-baccalaureate studies.

PRESCRIBED COURSES (12 credits)
APLNG 493 IL(3), WL ED 300(3), WL ED 444(3), WL ED 483(3) (Sem: 4-7)

ADDITIONAL COURSES (3 credits)
APLNG 410(3) or APLNG 484(3) (Sem: 5-7)

FRENCH TEACHING OPTION: (36 credits)

PRESCRIBED COURSES (24 credits)
(Proficiency in French must be demonstrated by either examination or coursework equivalent to the completion of 12 credits in order to enroll in FR 201.)
FR 201 IL(3), FR 202 IL(3), FR 331 IL(3), FR 332 IL(3) (Sem: 3-5)
FR 316(3), FR 401 IL(3), FR 402Y IL(3), FR 440 IL(3) (Sem: 5-8)

ADDITIONAL COURSES (12 credits)
FR 137 GH;IL(3) or FR 138 GH(3) or FR 139 GH;IL(3) (Sem: 1-4)
FR 351 IL(3) or FR 352 IL(3) or FR 460 IL(3); FR 417 IL(3) or FR 418 IL(3) (Sem: 4-6)
Select 3 credits from FR 430 IL(3), FR 458 IL(3), FR 470 IL(3), FR 471 IL(3), FR 489 IL(3)
(Sem: 6-7)

GERMAN TEACHING OPTION: (34 credits)

PRESCRIBED COURSES (19 credits)
(Proficiency in German must be demonstrated by either examination or coursework equivalent to the completion of 12 credits in order to enroll in GER 201.)
GER 201 IL(4), GER 301 IL(3), GER 310 IL(3), GER 344 IL(3) (Sem: 3-5)
GER 401Y IL(3), GER 411(3) (Sem: 4-7)

ADDITIONAL COURSES (15 credits)
GER 157 GH;US(3) or GER 200 GH;IL(3) (Sem: 1-4)
GER 412 IL(3) or GER 430 IL(3); GER 431 IL(3) or GER 432 IL(3); GER 480 IL(3) or GER 481 IL(3) or GER 482 IL(3) (Sem: 4-6)
Select 3 credits from GER 399 IL(3), GER 440 IL(3), GER 482 IL(3), GER 497(1-9), GER 499 IL(3) (Sem: 5-8)

LATIN TEACHING OPTION: (33 credits)

PRESCRIBED COURSES (24 credits)
(Proficiency in Latin must be demonstrated by either examination or coursework equivalent to the completion of 12 credits in order to enroll in LATIN 400 or other 400-level Latin courses.)
CAMS 050 GH(3), CAMS 400W(3), LATIN 404(3), LING 102 GH(3) (Sem: 3-5)
CAMS 005 GH;IL(3), LATIN 402(3), LATIN 403(3), LATIN 450W(3) (Sem: 5-8)

ADDITIONAL COURSES (9 credits)
CAMS 033 GH;IL(3) or CAMS 045 GH;IL(3) (Sem: 1-4)
CAMS 101 GH(3) or CAMS 150 GH;IL(3) (Sem 3-5)
Select 3 credits from CAMS 440W(3), CAMS 497(1-9), LATIN 400(3), LATIN 420(3), LATIN 497(1-9) (Sem: 5-8)

RUSSIAN TEACHING OPTION: (35 credits)

PRESCRIBED COURSES (23 credits)
(Proficiency in Russian must be demonstrated by either examination or coursework equivalent to the completion of 12 credits in order to enroll in RUS 204.)
RUS 204 IL(4), RUS 214 IL(4), RUS 304 IL(3), RUS 305 IL(3) (Sem: 3-5)
RUS 400 IL(3), RUS 412 IL(3), RUS 450 IL(3) (Sem: 5-8)

ADDITIONAL COURSES (12 credits)
RUS 100 GH;IL(3) or RUS 110 GH;IL(3) or RUS 120 GH;IL(3); RUS 130 IL(3) or RUS 141Y(3)
or RUS 142Y(3) or RUS 143 GH;IL(3) (Sem: 1-4)
Select 3 credits from RUS 450 IL(3) or RUS 497(1-9) (Sem: 4-6)
Select 3 credits from RUS 426 IL(3), RUS 427 IL(3), RUS 494(3), RUS 497(1-9), RUS 499 IL(3) (Sem: 6-8)

SPANISH TEACHING OPTION: (33 credits)

PRESCRIBED COURSES (21 credits)
(Proficiency in Spanish must be demonstrated by either examination or coursework equivalent to enroll in SPAN 110.)
SPAN 110(3), SPAN 215(3), SPAN 253W(3) (Sem: 3-5)
SPAN 410(3), SPAN 412(3), SPAN 414(3), SPAN 440(3) (Sem: 5-8)
ADDITIONAL COURSES (12 credits)
SPAN 210(3) or SPAN 220(3) (Sem: 1-4)
SPAN 415(3) or SPAN 418(3) (Sem: 5-8)
Select 3 credits from SPAN 305(3), SPAN 353(3), SPAN 354(3), SPAN 355(3), SPAN 356(3), SPAN 399 IL(3) (Sem: 4-6)
Select 3 credits from SPAN 399 IL(3), SPAN 472(3), SPAN 476(3), SPAN 490(3), SPAN 491(3), SPAN 497(1-9) (Sem: 5-8)

[1] A student enrolled in this major must receive a grade of C or better, as specified in Senate Policy 82-44.
[18] A grade of C or better per course is required for teacher certification.

Last Revised by the Department: Summer Session 2009
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ED
Director updated: 2/13/12

Associate Degrees

Workforce Education and Development

University Park, College of Education

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This is a 60 credit program, with many of the courses offered in multiple delivery formats to address the needs of the adult learner, such as a blend of face-to-face and online, delivery via video conference technologies such as Polycom or Adobe Connect, or totally online. It will provide a solid foundation of curriculum pertinent to gaining knowledge and skills required for success in the field of workforce education and development. It will allow the participant to develop the skills and competencies essential to analyzing community and/or organizational needs, recommend and deliver effective education and training programs for process and employee improvement, supervise and lead others, and manage workforce development projects and initiatives. It will also provide the opportunity to network with individuals who share many of the same interests and will enhance the participant’s ability to address community and organization needs.
Optional requirements for the major: of the 16 credits of electives, up to 12 credits of occupational experience can be earned.

For a Associate in Science degree in Workforce Education and Development a minimum of 60 credits are required.

*Scheduling Recommendation by Semester Standing Given Like (Sem: 1-2)*

**GENERAL EDUCATION:** 21 Credits
(21 credits of these 21 credits are included in the REQUIREMENTS FOR THE MAJOR)
(See description of General Education in this bulletin.)

**FIRST-YEAR SEMINAR:**
(Included in Electives)

**UNITED STATES CULTURES AND INTERNATIONAL CULTURES:**
(Included in Requirements for the Major)

**WRITING ACROSS THE CURRICULUM:**
(Included in Requirements for the Major)

**ELECTIVES:** 16 credits

**REQUIREMENTS FOR THE MAJOR:** (23 Credits)

**PRESCRIBED COURSES** (23 credits)
WF ED 105(3), WF ED 106(3), WF ED 207W GWS(3), WF ED 310(3), WF ED 411(3), WF ED 450 US;IL(3), WF ED 495D(5) (Sem: 1-4)

Last Revised by the Department: Fall Semester 2013

Blue Sheet Item #: 42-03-037

Review Date: 11/19/2013

**Minors**

**Education Policy Studies Minor**

*University Park, College of Education (E P S)*

This minor is designed to introduce students to the fundamental tenets of education policy development and analysis in both the U.S. and other countries. Students pursuing the minor may choose from courses on educational policy in the areas of higher education, educational administration, educational theory and policy, Native American education leadership and comparative/international education. The minor consists of a multidisciplinary program of study in areas of education related to numerous policy issues including social sciences, history, management sciences, and/or humanities. It is anticipated that students completing the minor will find these studies can enrich any major degree program and potentially provide opportunities for employment and/or graduate studies in state departments of education, ministries of education, federal and international education agencies, academic institutions, and various professional associations.
This 18-credit minor may be combined with any undergraduate major at Penn State. A grade of C or better is required for all courses taken in fulfillment of the minor. No prerequisites are required for the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR: 18 credits

PRESCRIBED COURSES (6 credits)
EDTHP 115 US(3), EDPSY 014(3) (Sem: 1-4)

ADDITIONAL COURSES (12 credits)

Last Revised by the Department: Summer Session 2006
Blue Sheet Item #: 34-06-261
Review Date: 4/11/06
ED

Rehabilitation and Human Services Minor

University Park, College of Education (RHS)
World Campus

PROFESSOR JAMES HERBERT, Program Coordinator
PROFESSOR JAMES HERBERT, in charge of major
PROFESSOR DEIRDRE O’SULLIVAN, in charge of minor

The minor in Rehabilitation and Human Services supplements the educational needs of students across disciplines who wish to gain advanced knowledge and skills related to health, disability, and interpersonal interactions. In today’s society, due to medical advances and an aging population, more people are living longer with chronic illnesses and disabilities and many jobs require advanced interpersonal skills and knowledge of health, disability, and human service skills. The minor in RHS is responding to this growing need by providing students with specific applied knowledge about living and working with a disability or chronic illness, as well as adjusting to a variety of social needs and problems, such as poverty, addiction, family violence, and homelessness. The minor is appropriate for any student interested in learning how to effectively work with people, particularly as they adapt and adjust to life with a disability. The minor enhances the education of students majoring in social and behavioral sciences, as well as business majors who work in settings that hire and maintain work environments for persons with chronic illnesses and disabilities. The minor will also enhance graduate study preparation for many students interested in working with people in applied settings. For the minor in Rehabilitation and Humans Services, a minimum of 18 credits is required, 15 in RHS, including 6 of which must be at the 400 level.

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)
REQUIREMENTS FOR THE MINOR: 18 credits
(15 credits in RHS, including 6 which must be at the 400 level)

PRESCRIBED COURSES: (9 credits)
RHS 100 GS;US;IL(3), RHS 300(3), RHS 403(3) (Sem: 4-8)

ADDITIONAL COURSES: (9 credits)
Select 6 credits from RHS 301(3), RHS 302(3), RHS 303(3), RHS 401(3), RHS 402(3) (Sem: 4-8)
Select 3 credits from department approved list in consultation with adviser (Sem: 4-8)

Last Revised by the Department: Spring Semester 2012

Blue Sheet Item #: 40-06-112
Review Date: 04/10/2012

Special Education Minor

Penn State Berks - Carole Roberts, ckr10@psu.edu
University Park, College of Education (SPLED)

PROFESSOR Paul Riccomini, Program Coordinator
PROFESSOR Paul Riccomini, in charge of major
PROFESSOR David McNaughton, in charge of minor

This minor provides undergraduate students with the opportunity for concentrated work
in instructional practices to support the achievement of students with special education
needs in general education classrooms. Students will learn strategies for creating a
positive classroom environment that will promote student growth and achievement,
effective instructional practices for students with special education needs, and techniques
for assessing the academic progress of students. The targeted instructional practices
have been demonstrated to be effective both with students with and those without special
education needs.

The minor in Special Education responds to the growing need to provide appropriate
instructional services to students with special education needs in general education
classrooms.

A grade of C or better is required for all courses in the minor.

Scheduling Recommendation by Semester Standing given like (Sem: 1-2)

REQUIREMENTS FOR THE MINOR: 24 credits

PRESCRIBED COURSES (12 credits)
EDPSY 014(3) (Sem: 1-4)
SPLED 400(4), SPLED 419(2), SPLED 461(3) (Sem: 5-8)

ADDITIONAL COURSES (12 credits)
EDPSY 010 GS(3), HD FS 229 GS(3) or HD FS 239 GS(3) (Sem: 1-4)
SPLED 403A(3) or SPLED 403B(3) (Sem: 5-8)
Select 6 credits from CSD 146 US;IL(3), CSD 218(3), CSD 269 GS;US;IL(3), CSD 300
US;IL(3), RHS 100 GS;US;IL(3), RHS 402(3), or RPTM 277 US(3) (Sem: 5-8)

Last Revised by the Department: Spring Semester 2013
Teaching and Learning Online Minor

*University Park, College of Education (TLO)*

This minor is designed for students who are interested in a thorough understanding of online teaching and learning—that is teaching and learning experiences with primary delivery of content through the Internet with use of a variety of advanced technological tools to include but not limited to course management systems, social networking, podcasts, discussion forums, blogs, tablets, mlearning, and other advanced instructional tools. This minor is intended for all education majors and is particularly focused on those interested in opportunities in the future to teach online courses, blended courses, or within an entirely online cybercharter or similar institution. The minor includes two introductory survey courses, one on the impact of online learning globally and one on educational communications. The four remaining courses are focused on distance education broadly construed, design skills, working with course management systems, and special attention to K-12 cybercharter and online delivery. In conjunction with the student’s major in Education, the minor prepares the student for entry to a professional position as a teacher in online and blended educational settings at all levels. Majors complemented by this minor would include but not be limited to Agricultural Education, Art Education, Childhood and Early Adolescent Education, Education and Public Policy, Kinesiology (Teacher Education Option), Music Education, Rehabilitation and Human Services, Secondary Education, Special Education, Workforce Education, and World Languages Education.

A grade of C or better is required for all courses in the minor.

**REQUIREMENTS FOR THE MINOR:** 18 credits

**PRESCRIBED COURSES** (15 credits)
ADTED 470(3), LDT 100 GS/IL(3), LDT 101(3), INSYS 415B(3), INSYS 432(3), INSYS 433(3) (Sem: 3-6)

Last Revised by the Department: Spring Semester 2013

Blue Sheet Item #: 41-06-039

Review Date: 04/09/2013
for General Education are those in effect at the time of admission to degree candidacy, and college and major requirements are those in effect at the time of entry to college and major. These are accurately indicated in each student’s degree audit.

The University reserves the right to change the requirements and regulations listed here and to determine whether a student has satisfactorily met its requirements for admission or graduation, and to reject any applicant for any reason the University determines to be material to the applicant's qualifications to pursue higher education. Nothing in this material should be considered a guarantee that completion of a program and graduation from the University will result in employment.

The University Faculty Senate has responsibility for and authority over all academic information contained in the Undergraduate Bulletin.