



University Bulletin

Undergraduate Degree Programs

Education

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 Education Programs\(general information.cfm?section=SpecialAP6\)](#).)

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 noncertification programs. 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](http://www.gradsch.psu.edu/bulletin/)(<http://www.gradsch.psu.edu/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 in education are also available via correspondence study. A descriptive bulletin may be obtained from the Department of Independent Learning, The Pennsylvania State University, 128 Mitchell Building, University Park, PA 16802-3693; 814-865-5403.

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. Administrative enrollment controls have been approved for the Elementary and Kindergarten Education, Secondary Education, and Special Education majors. The number of students admitted to these majors each year is limited.

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 [Teacher Education Programs\(general information.cfm?section=SpecialAP6\)](#) for details.

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.

LEARNING AND PERFORMANCE SYSTEMS

PROFESSOR EDGAR FARMER, *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.

COUNSELOR EDUCATION, COUNSELING PSYCHOLOGY, AND REHABILITATION SERVICES

PROFESSOR SPENCER G. NILES, *Head*

This department offers undergraduate programs in Rehabilitation Services, a Ph.D. program in Counseling Psychology, and master's and D.Ed. programs in Counselor Education with courses that are taken for required or elective purposes by students in various undergraduate and graduate programs.

CURRICULUM AND INSTRUCTION

PROFESSOR GREGORY J. KELLY, *Head*

There is a growing demand for graduates of teacher education programs. This department offers professional programs leading to certification in early childhood, elementary and kindergarten education, 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 does not offer programs at the undergraduate level. The department offers course in Educational Administration, Educational Theory and Policy, and Higher Education, which are taken as required and as elective courses by students in various undergraduate and graduate programs.

EDUCATIONAL AND SCHOOL PSYCHOLOGY AND SPECIAL EDUCATION

PROFESSOR KATHY L. RUHL, *Head*

This department offers an undergraduate program in Special Education as well as courses in Educational Psychology, School Psychology, and Special Education, which are taken as required and elective courses by students in various academic programs.

COLLEGE OF EDUCATION

DAVID H. MONK, *Dean*

JACQUELINE A. STEFKOVICH, *Associate Dean, Graduate Studies, Research, and Faculty Development*

KYLE PECK, *Associate Dean, Outreach, Cooperative Extension, International Programs, and Technology*

JACQUELINE EDMONDSON, *Associate Dean, Teacher Education and Undergraduate Programs*

COLLEGE ORGANIZATION

LEARNING AND PERFORMANCE SYSTEMS--EDGAR FARMER, *Department Head*

Adult Education - IAN E. BAPTISTE, *In Charge*

Instructional Systems--SUSAN LAND, *In Charge*

Workforce Education and Development--JUDITH A. KOLB, *In Charge*

COUNSELOR EDUCATION, COUNSELING PSYCHOLOGY, AND REHABILITATION SERVICES--SPENCER G. NILES, *Department Head*

College Student Affairs--ROBERT D. REASON, *In Charge*

Counseling Psychology--JEFFREY A. HAYES, *In Charge and Training Director*

Counselor Education--SPENCER G. NILES, *In Charge*

Rehabilitation and Human Services--KEITH B. WILSON, *In Charge*

CURRICULUM AND INSTRUCTION--GREGORY J. KELLY, *Department Head*

Curriculum and Supervision--NONA A. PRESTINE, *In Charge*

Early Childhood Education--JAMES E. JOHNSON, *In Charge*

Elementary Education--PATRICK W. SHANNON, *In Charge*

Graduate Programs--GORDON W. BLUME, *Coordinator*

Language and Literacy Education--PATRICK W. SHANNON, *In Charge*

Mathematics Education--M. KATHLEEN HEID and ROSE MARY ZBIEK, *In Charge*

Science Education--CARLA M. ZEMBAL-SAUL and GREGORY J. KELLY, *In Charge*

Secondary Education--GREGORY KELLY, *In Charge*

Social Studies Education--PATRICK W. SHANNON, *In Charge*

World Languages Education--MATTHEW POEHNER, *In Charge*

EDUCATION POLICY STUDIES--GERALD LeTENDRE, *Department Head*

Comparative and International Education--DAVID BAKER, *Program Chair*

Educational Leadership--WILLIAM HARTMAN, *In Charge*

Educational Theory and Policy--GERALD LeTENDRE, *In Charge*

Higher Education--ROGER L. GEIGER, *In Charge*

EDUCATIONAL AND SCHOOL PSYCHOLOGY AND SPECIAL EDUCATION--KATHY L. RUHL, *Department Head*

Educational Psychology--RAYNE A. SPERLING, *In Charge*

School Psychology--JAMES C. DiPERNA, *In Charge*

Special Education--KATHLEEN M. McKINNON, *Coordinator of Teacher Education*; DAVID L. LEE, *In Charge*

Baccalaureate Degrees

Childhood and Early Adolescent Education

University Park, College of Education (CEAED)

PROFESSOR GREGORY J. KELLY, *In Charge*

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, 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.

For the B.S. degree in Education with an option in Early Education PK-4, a minimum of 128 credits is required; with an option in English 4-8, a minimum of 134 credits is required; with an option in Social Studies Education 4-8, a minimum of 137 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: 1 credit
(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: 109-119 credits [\[1\]\(#mnote01\)](#)
(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): 73-74 credits

PRESCRIBED COURSES (55 credits)
C I 280(3), EDPSY 014(3), EDTHP 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 (12 credits)
Select 3 credits in literature (GH) (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)

REQUIREMENTS FOR THE OPTION: 36-45 credits

EARLY EDUCATION PK-4 OPTION: (36 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 (15 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 3 credits on family and relationships from:
E C E 453(3), HD FS 315(3), HD FS 415(3), HD FS 418(3), HD FS 424 US(3), HD FS 431(3), HD FS 469U IL(3), SOC 030 GS(3), or WL ED 444(3) (Sem: 1-4)

Select 6 credits of educational selections from:
APLNG 493 IL(3), E C E 452(3), E C E 454(3), LL ED 450(3), LL ED 467(3), HD FS 250 US(3), HD FS 330(6), HD FS 430(6), HD FS 415(3), HD FS 427(3), HD FS 428(3), HD FS 429(3), HD FS 430(6), HD FS 432(3), WL ED 400(3), or WL ED 483(3) (Sem: 5-8)

ENGLISH 4-8 OPTION: (42 credits)
OPTION CURRENTLY ON HOLD 6/24/09 - Pending Pennsylvania Department of Education Teaching Certification Amendments.

PRESCRIBED COURSES (24 credits)
C I 295B(3), HD FS 239 GS(3), SOC 119 GS;US(3) (Sem: 1-4)
C I 495B(3), LL ED 412W(3), LL ED 420(3), LL ED 450(3), LL ED 480(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (18 credits)
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(3), ENGL 232(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:

ENGL 135 GH;US(3), ENGL 139 GH;US(3), ENGL 194 GH;US;IL(3), ENGL 226 GH;US;IL(3), ENGL 235 US(3), ENGL 245 GH;US(3), ENGL 431 US(3), ENGL 461 US(3), ENGL 462 US(3), ENGL 463 US(3), ENGL 466 US(3), ENGL 467 US(3), ENGL 468 US(3), ENGL 469 US(3), CMLIT 101 GH;US;IL(3), CMLIT 109 GH;US;IL(3), CMLIT 110 GH;US;IL(3), CMLIT 111 GH;IL(3), CMLIT 404 IL(3), CMLIT 422 IL(3), or CMLIT 423 IL(3) (Sem: 1-6)

Select 3 credits of Writing from:

ENGL 212(3), ENGL 213(3), ENGL 281(3), ENGL 215(3), ENGL 412(3), ENGL 413(3), ENGL 414(3), or ENGL 415(3) (Sem: 1-6)

Select 6 credits of Media Literacy from:

COMM 100 GS(3), COMM 120(3), COMM 150 GA(3), COMM 180 GS(3), COMM 205 US(3), COMM 250 GA(3), COMM 453 IL(3), COMM 454(3), CAS 211(3), CAS 213(3), CAS 215(3), CAS 250(3), CAS 271 US;IL(3), CAS 280W(3), CAS 375(3), CAS 422 US(3), or CAS 480(3) (Sem: 1-6)

SOCIAL STUDIES 4-8 OPTION: (45 credits)

OPTION CURRENTLY ON HOLD 6/24/09 - Pending Pennsylvania Department of Education Teaching Certification Amendments.

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), SS ED 412W(3) (Sem: 5-8)

SUPPORTING COURSES AND RELATED AREAS (21 credits)

Select 21 credits from social sciences with at least 12 credits taken at the 100-level:

At least 3 credits in Economic Policy Issues from:

ECON 002 GS(3), ECON 004 GS(3), ECON 014 GS(3), GEOG 123 GS;IL(3), GEOG 126 GS;US;IL(3), HIST 155 GS;US(3), HIST 156 US(3), PL SC 135 GS(3), or WMNST 456(3) (Sem: 3-8)

At least 6 credits in Civics and Society from:

AAA S/RL ST 145 GH;US;IL(3), AAA S/ENGL 235 US(3), AAA S/SOC 409 US(3), GEOG 130 GS(3), HIST 158 US;IL(3), PL SC 002(3), PL SC 003 GS;IL(3), PL SC 007 GS(3), PL SC 014 GS;IL(3), PL SC 017 GS(3), PL SC 110 GS;US(3), PL SC 123 GS;US;IL(3), PL SC 125(3), PL SC 130 GS;US(3), SOC 119 GS;US(3), S T S 130(3), S T S/PL SC 135 GS(3), S T S 151 GS;US(3), S T S 200S GS(3), WMNST/AM ST 104 GH;US(3), WMNST/AM ST 430 US(3), WMNST 432 US(3), or WMNST 466 US;IL(3) (Sem: 3-8)

At least 6 credits in Historical and Geographical Perspectives from:

AAA S 100 GS;US(3), AAA S/WMNST 101 GH;US(3), AAA S/HIST 210 GH;US(3), GEOG 030 GS(3), GEOG 040 GS;IL(3), GEOG 110 GN(3), GEOG 115 GN(3), GEOG 122 GH;US(3), GEOG 160 GS(3), HIST 010 GH;IL(3), HIST 011 GH;IL(3), HIST 012 (3), HIST 021(3), HIST 100(3), HIST 101(3), HIST 104(3), HIST 107(3), HIST 115(3), HIST 120 GS;IL(3), HIST 121 GH;IL(3), HIST 127 US(3), HIST 130 GH;US(3), HIST 144 GH;US;IL(3), HIST 150 US(3), HIST 152 GH;US;IL(3), HIST 153 GH;US(3), HIST 158 US;IL(3), HIST 161 US(3), HIST 165 IL(3), HIST 174 GH;IL(3), HIST 175 GH;IL(3), HIST 176 GH;IL(3), HIST 179 GH;IL(3), HIST 180 GH;IL(3), HIST 181 GH;IL(3), HIST 191 GH;IL(3), S T S/HIST 123 GH(3), WMNST/AAA S 102 GH;IL(3), WMNST/HIST 117 GH;US;IL(3), WMNST/GEOG 426Y US;IL(3) (Sem: 3-8)

Select 6 credits from areas above (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: Summer Session 2009

Blue Sheet Item #: 37-04-012

Review Date: 1/13/09

ED

Education and Public Policy

University Park, College of Education (EPP)

PROFESSOR DAVID GAMSON *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.

For the B.S. degree in Education and Public Policy, a minimum of 121 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:87-88 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(36 credits) [\[1\]\(#mnote01\)](#)

PL SC 001 GS(3) [\(#mnote01\)](#), PL SC 003 GS;IL(3) [\(#mnote01\)](#), ECON 002 GS(3) [\(#mnote01\)](#), ECON 004 GS(3), EDTHP 115 US(3), HIST 021 GH;US(3), SOC 005 GS(3) (Sem: 1-4)

EDTHP 200 GS(3), EDTHP 420(3), YFE 211 GS;US;IL(3) (Sem: 3-6)

EDTHP 394(3) (Sem: 5-6)

EDTHP 395(3) (Sem: 7-8)

ADDITIONAL COURSES(9-10 credits)

EDPSY 101 GS(3), STAT 100 GQ(3) [\[1\]\(#mnote01\)](#) or STAT 200 GQ(4) [\[1\]\(#mnote01\)](#) (Sem: 1-3)

SOC 001 GS(3) [\[1\]\(#mnote01\)](#) or R SOC 011 GS;US(3) [\[1\]\(#mnote01\)](#) (Sem: 1-3)

SOC 007(3), SOC 023 GS(3), SOC 436(4), EDPSY 406(3), or PL SC 308(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) [\[1\]\(#mnote01\)](#)

Select 6 credits of Leadership and Citizenship from approved department list (Sem: 3-8) [\[1\]\(#mnote01\)](#)

Select 6 credits of Diversity and Equity from approved department list (Sem: 3-8) [\[1\]\(#mnote01\)](#)

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: Fall Semester 2008

Blue Sheet Item #: 36-06-065

Review Date: 4/15/08

ED

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 JACQUELINE EDMONDSON, *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\(general information.cfm?section=SpecialAP6\)](#).)

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 GQ, 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 [\[1\]\(#mnote01\)](#)

PRESCRIBED COURSES(57.5 credits)
C I 295(2), EDPSY 014(3), ENGL 100(3), MATH 200 GQ(3) (Sem: 1-4)
A ED 303(3), C I 495B(3), C I 495D(12), C I 495F(3), KINES 126(1.5), LL ED 400(3), LL ED 401(3), LL ED 402(3), MTHED 420(3), MUSIC 241(3), SCI ED 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 002 GS(3), ECON 004 GS(3) or ECON 014 GS(3) (Sem: 1-8)
GEOG 020 GS;US;IL(3), GEOG 030 GS(3), GEOG 126 GS;US;IL(3), GEOG 122 GH;US(3), GEOG 123 GS;IL(3), GEOG 120 GS;US;IL(3), GEOG 124 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) [\[1\]\(#mnote01\)](#)

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

ADDITIONAL COURSES (12-15 credits)
H P 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) [\[1\]\(#mnote01\)](#)

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

Rehabilitation and Human Services

University Park, College of Education (RHS)

PROFESSOR JAMES T. HERBERT, *in charge*

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, sheltered workshops, 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 across the country. 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 activities and courses providing an opportunity for work with people with disabilities; this gives greater meaning to related course work. All students are encouraged to declare a minor in a related area. These choices must be discussed thoroughly with the student's adviser. The program also helps prepare students for graduate study in many human service professional disciplines.

For the B.S. degree in Rehabilitation and Human Services, a minimum of 124 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: 14-18 credits

REQUIREMENTS FOR THE MAJOR: 75-77 credits

(This includes 14-18 credits of General Education courses: 6 credits of GS courses; 3-4 credits of GQ courses; 3-4 credits of GN courses.)

PRESCRIBED COURSES (57 credits)

EDPSY 014(3), PSYCH 100 GS(3), RHS 100 GS(3) (Sem: 1-4)

PSYCH 270(3), SOC 001 GS(3), SOC 005 GS(3) (Sem: 1-6)

RHS 300(3) [\[1\]\(#mnote01\)](#), RHS 301(3) [\[1\]\(#mnote01\)](#), RHS 302(3) [\[1\]\(#mnote01\)](#), RHS 303(3) [\[1\]\(#mnote01\)](#), RHS

400W(3) [\[1\]\(#mnote01\)](#), RHS 401(3) [\[1\]\(#mnote01\)](#), RHS 402(3) [\[1\]\(#mnote01\)](#), RHS 403(3) [\[1\]\(#mnote01\)](#), RHS

495A(15) (Sem: 5-8)

ADDITIONAL COURSES (18-20 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) (Sem: 1-6)

Select 9 credits from CRIMJ, 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: Fall Semester 2008

Blue Sheet Item #: 36-05-035

Review Date: 2/26/08

UCA Revision #1: 9/1/06

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 GREGORY J. KELLY, *Head of the Department of Curriculum and Instruction*

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 program 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 be teachers of economics and economic issues (7-12). Candidates who successfully complete the Geography concentration are highly qualified to be teachers of geography and global studies (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). Candidates who successfully complete the Heritage Education concentration receive training to be educational specialists at heritage-museum sites.

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 135 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 132 credits is required. (See also [Teacher Education Programs\(general information.cfm?section=SpecialAP6\)](#).)

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)
(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:0-4 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 [\[18\]\(#mnote18\)](#)

PRESCRIBED COURSES(36 credits)

C I 295(2), EDPSY 014(3), PSYCH 100 GS(3) (Sem: 1-2)
C I 280 (3) (Sem: 1-6)
C I 495C(3), SPLED 400(4), SPLED 403B(3) (Sem: 5-8)
C I 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) [\[18\]\(#mnote18\)](#)

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)
SCIED 411(3), SCIED 412(3) (Sem: 5-7)

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) [\[18\]\(#mnote18\)](#)

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(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 423(3), CHEM 425(3) (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) [\[18\]\(#mnote18\)](#)

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)

MATH 141 GQ(4) or 4 credits of 200-level STAT GQ courses (Sem: 1-4)
GEOSC 001(3), GEOSC 020 GN(3) or GEOSC 071(3) (Sem: 1-3)
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)
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 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) **[18](#mnote18)** 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)

LL ED 411(3), LL ED 412W(3), LL ED 420(3) (Sem: 5-8)

ENGL 444(3) (Sem: 5-6)

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(3), ENGL 221W(3), ENGL 222(3), ENGL 222W(3), ENGL 231(3), ENGL 231W, ENGL 232(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)

AM ST 493(3), CMLIT 400Y US;IL(3), CMLIT 401Y IL(3), CMLIT 402Y US;IL(3), CMLIT 403 US(3), CMLIT 404 IL(3), CMLIT 405 US;IL(3), CMLIT 406 IL(3), CMLIT 408 IL(3), CMLIT 422 IL(3), CMLIT 423 IL(3), CMLIT 453 IL(3), CMLIT 470 IL(3), CMLIT 480 IL(3), CMLIT 486 IL(3), CMLIT 487 IL(3), CMLIT 488 IL(3), ENGL 404(3), ENGL 426 US(3), ENGL 431 US(3), ENGL 449(3), ENGL 461 US(3), ENGL 462 US(3), ENGL 463 US(3), ENGL 466 US(3), ENGL 467 US(3), ENGL 468 US(3), ENGL 469 US(3), ENGL 490 US;IL(3); ENGL 401(3), ENGL 402(3), ENGL 404(3) when topic appropriate (with adviser's approval)

(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(3)

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

CAS 214W(3), COMM 260W(3), COMM 460W(3), COMM 461(3), COMM 462(3), COMM 467(3), ENGL 212(3), ENGL 213(3), ENGL 215(3), ENGL 281(3), ENGL 412(3), ENGL 413(3), ENGL 414(3), ENGL 416(3), ENGL 418(3), ENGL 419(3), ENGL 420(3), ENGL 421(3), THEA 440(3)

(h) Rhetoric (Sem: 7-8)

CAS 215(3), CAS 415(3), CAS 475(3), COMM 467(3), ENGL 409(3), ENGL 411(3), ENGL 470(3), ENGL 471(3), ENGL 472(3), ENGL 473(3), ENGL 474(3), ENGL 487W(3)

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

ART 100 GA(3), ART H 111 GA;IL(3), ART H 112 GA;IL(3), ART H 120 GA;IL(3), ART H 130 GA;US;IL(3), CAS 175 GH(3), CAS 283(3), CAS 415(3), CAS 483(3), COMM 100 GS(3), COMM 118(3), COMM 120(3), COMM 150 GA(3), COMM 180 GS(3), COMM 205 US(3), COMM 242(3), COMM 250 GA(3), COMM 283W(3), COMM 453 IL(3), COMM 454(3), CMLIT 453(3), PHOTO 100 GA(3), WMNST 205 US(3) (Sem: 1-8)

Theatre

THEA 102 GA(3), THEA 103(3), THEA 104(3), THEA 110(3), THEA 112(3), THEA 120(3), THEA 130(3), THEA 131(3), THEA 189(3), THEA 210(3), THEA 428(3) (Sem: 1-8)

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

CAS 201 GH(3), CAS 202 GS(3), CAS 203 GS(3), CAS 211(3), CAS 213(3), CAS 215(3), CAS 250(3), CAS 280W(3), CAS

311(3), CAS 375(3), CAS 383(3), CAS 411(3), CAS 422 US(3), CAS 455 US(3), CAS 470(3), CAS 471 US;IL(3), CAS 475(3) (Sem: 3-8)

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] (#mnote18)

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] (#mnote18)

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) [18] (#mnote18)

PRESCRIBED COURSES(32-34 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 471(4), MTHED 411(3), MTHED 412W(3), MTHED 427(3) (Sem: 5-8)

ADDITIONAL COURSES (19 credits)

CMPSC 101 GQ(3) or CMPSC 121 GQ(3); MATH 230(4) or MATH 231(2) and MATH 232(2); MATH 418(3) or MATH 414(3); 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) [18] (#mnote18)

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) **[18](#mnote18)****PRESCRIBED COURSES**(30 credits)

ECON 004 GS(3), GEOG 010 GN(3), GEOG 020 GS(3), HIST 001 GH;IL(3), HIST 002 GH;IL(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 (6 credits)

Select 3 credits from GEOG 030 GS(3) or GEOG 160 GS(3) (Sem: 1-8)
Select 3 credits from: ANTH 045 GS;US;IL(3), ECON 002 GS(3), PL SC 003 GS;IL(3), PL SC 014 GS;IL(3), SOC 001 GS(3); C I 405(3) with adviser's approval. (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 002 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(3), GEOG 126 GS;US;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 of 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 002 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)

Heritage Education

C I 400(3) (Sem: 5-8)

C I 405 with adviser's approval

C I 495(3) (Sem: 5-8)

SS ED 470(6) (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.

Penn State Erie/Mathematics Option Only (3/7/07)

Last Revised by the Department: Summer Session 2009

Blue Sheet Item #: 37-06-034

Review Date: 4/14/09

UCA Revision #1: 9/1/06

UCA Revision #2: 7/30/07

ED

Publications updated department head: 8/21/08

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.

The executive vice president and provost of the University has approved administrative enrollment controls for this major. The number of students admitted each year to this major is limited. Additional information about applying for this major is available in the dean's office in the College of Education.

Upon successful completion of the major outlined below, students become eligible for the Pennsylvania Level I Certificate in Teaching the Mentally and/or Physically Handicapped.

For the B.S. degree in Special Education, 123 credits are required. (See also [Teacher Education Programs\(general information.cfm?section=SpecialAP6\)](#).)

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 [\[19\]\(#mnote19\)](#)

REQUIREMENTS FOR THE MAJOR: 87-90 credits [\[21\]\(#mnote21\)](#)
(This includes 12-15 credits of General Education courses; 6 credits of GQ courses; 6 credits of GS courses; and 0-3 credits of GHA courses.)

PRESCRIBED COURSES (81 credits)
EDPSY 014(3), EDPSY 101 GQ(3), EDTHP 115 US(3), HD FS 129 GS(3), MATH 200 GQ(3), PSYCH 100 GS(3), PSYCH 212 GS(3) (Sem: 1-4)
SPLED 425(3), SPLED 395W(3), SPLED 401(4), SPLED 404(3), SPLED 411(3), SPLED 412(4), SPLED 454(4), SPLED 495E(3) (Sem: 5-6)
EDTEC 400(2), SPLED 402(3), SPLED 409A(3), SPLED 409B(3), SPLED 409C(3), SPLED 495F(15), SPLED 495G(4) (Sem: 7-8)

ADDITIONAL COURSES (0-3 credits)
Red Cross Certification in First Aid and CPR(0) or KINES 303 GHA(3) or NURS 203 GHA(3) (Sem: 1-8)

SUPPORTING COURSES AND RELATED AREAS (6 credits) [\[19\]\(#mnote19\)](#)
Select 3 credits in EDTHP at the 400 level (Sem: 5-8)
Select 3 credits in consultation with SPLED adviser (Sem: 5-8)

[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: Summer Session 2006

Blue Sheet Item #: 34-06-263

Review Date: 4/11/06

UCA Revision #1: 8/14/06

ED

Publications updated coordinator: 8/21/08

Workforce Education and Development

University Park, College of Education (WF ED)

PROFESSOR RICHARD A. WALTER, *in charge*

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 Adult Education, Instructional Systems, and Workforce Education and Development. (See also [Teacher Education Programs\(<http://www.ed.psu.edu/educ/current-students/undergraduate/certification/instructional-1>\)](http://www.ed.psu.edu/educ/current-students/undergraduate/certification/instructional-1).)

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 [\[18\]\(file:///C:/Documents%20and%20Settings/afb11/Desktop/SCRwf_ed.htm#mnote18\)](#)

PRESCRIBED COURSES(35 credits)

ECON 002 GS(3) or ECON 004 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) [\[18\]\(file:///C:/Documents%20and%20Settings/afb11/Desktop/SCRwf_ed.htm#mnote18\)](#)

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) [\[18\]\(file:///C:/Documents%20and%20Settings/afb11/Desktop/SCRwf_ed.htm#mnote18\)](#)

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) [\[18\]\(file:///C:/Documents%20and%20Settings/afb11/Desktop/SCRwf_ed.htm#mnote18\)](#)

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) [\[18\]\(file:///C:/Documents%20and%20Settings/afb11/Desktop/SCRwf_ed.htm#mnote18\)](#)

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)

[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

ED

World Languages (K-12) Education

University Park, College of Education (WL ED)

PROFESSOR MIRYAM ESPINOSA-DULANTO, *in charge*

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. Miryam Espinosa-Dulanto, Assistant Professor of Education and Applied Linguistics, and Joan Kelly Hall, Professor of Linguistics and Applied Language Studies and Education, 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 200. 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 200. 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.

For the B.S. degree in World Languages Education with a dual certification option in *Bilingual Education Teaching*, a minimum of 135 credits is required; with an option in *English as a Second Language (ESL) Teaching*, a minimum of 132 credits is required, i.e., a minimum of 120 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 124 credits is required; with an option in *German Teaching*, a minimum of 121 credits is required; with an option in *Latin Teaching*, a minimum of 120 credits is required; with an option in *Russian Teaching*, a minimum of 122 credits is required; with an option in *Spanish Teaching*, a minimum of 126 credits is required. (See also [Teacher Education Programs\(general information.cfm?section=SpecialAP6\)](#).)

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

GENERAL EDUCATION: 45 credits
(6-12 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: 0-3 credits

REQUIREMENTS FOR THE MAJOR: 85-88 credits
(This includes 6-12 credits of General Education GS and GH courses.)

COMMON REQUIREMENTS FOR THE MAJOR (ALL OPTIONS) 54 credits [\[18\]\(#mnote18\)](#)

PRESCRIBED COURSES (48 credits)
EDPSY 014(3), EDTHP 115(3), HD FS 229 GS(3), WL ED 295A(3), WL ED 300(3) (Sem: 1-4)
A ED 303(3), C I 495E(15), MUSIC 241(3), WL ED 411(3), WL ED 412W(3), WL ED 495B(3), WL ED 495C(3) (Sem: 5-8)

ADDITIONAL COURSES (6 credits)
C I 412W(3) or LL ED 402(3) or WL ED 422(3), and PSYCH 412(3) or HD FS 239 GS(3) or SPLED 400(3) (Sem: 4-7)

REQUIREMENTS FOR THE OPTION: 31-65 credits

BILINGUAL EDUCATION TEACHING OPTION: (46-50 credits)

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

ADDITIONAL COURSES (6 credits)
Select 6 credits of 300- or 400-level option-related courses, with departmental recommendation (Sem: 5-7)
Select 31-35 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 200):

a. French Emphasis (34 credits)
FR 201(3), FR 202(3), FR 330(3) (Sem: 3-5)
FR 401(3), FR 402W(3), FR 416(3), FR 440(3) (Sem: 5-8)
Select 3 credits from ANTH 045 GS;US;IL(3), 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: 5-8)

b. German Emphasis (31 credits)
GER 201 IL(4), GER 301 IL(3), GER 310 IL(3), GER 344 IL(3), GER 401W IL(3) (Sem: 3-6)
Select 3 credits from ANTH 045 GS;US;IL(3), 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) (Sem: 4-6)
Select 3 credits from GER 399 IL(3), GER 440 IL(3), GER 482 IL(3), GER 497(1-9) (Sem: 5-8)

c. Latin Emphasis (33 credits)
CAMS 050 GH(3), CAMS 400W(3), LATIN 400(3), LING 102 GH(3) (Sem: 3-5)
CAMS 410(3), LATIN 402(3), LATIN 403(3), LATIN 450W(3) (Sem: 5-8)
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(3), CAMS 150 GH;IL(3) (Sem 3-5)
Select 3 credits from CAMS 440W(3), CAMS 497(1-9), LATIN 404(3), LATIN 420(3), LATIN 497(1-9) (Sem: 5-8)

d. Russian Emphasis (35 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)
Select 3 credits from ANTH 045 GS;US;IL(3), 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 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)
SPAN 200(3), SPAN 253(3), SPAN 300(3) (Sem: 3-5)
SPAN 410(3), SPAN 412(3), SPAN 414(3), SPAN 440(3) (Sem: 5-8)
Select 3 credits from ANTH 045 GS;US;IL(3), 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) (Sem: 4-6)
Select 3 credits from 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:(43-65 credits)

Select 31-50 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(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:(34 credits)

PRESCRIBED COURSES(22 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(3), FR 202(3), FR 330(3) (Sem: 3-5)
FR 401(3), FR 402W(3), FR 416(3), FR 440(3) (Sem: 5-8)

ADDITIONAL COURSES(12 credits)
ANTH 045 GS;US;IL(3) or FR 137 GH;IL(3) or FR 138 GH(3) or FR 139 GH;IL(3) (Sem: 1-4)
FR 351(3) or FR 352(3) or FR 460(3); FR 417(3) or FR 418(3) (Sem: 4-6)
Select 3 credits from FR 430(3), FR 458 IL(3), FR 470 IL(3), FR 471 IL(3), FR 489(3) (Sem: 6-8)

GERMAN TEACHING OPTION:(31 credits)

PRESCRIBED COURSES(16 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(4), GER 301 IL(3), GER 310 IL(3), GER 344 IL(3) (Sem: 3-5)
GER 401W IL(3) (Sem: 4-7)

ADDITIONAL COURSES(15 credits)
ANTH 045 GS;US;IL(3) or 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) (Sem: 4-6)
Select 3 credits from GER 399 IL(3), GER 440 IL(3), GER 482 IL(3), GER 497(1-9) (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 400(3), LING 102 GH(3) (Sem: 3-5)
CAMS 410(3), LATIN 402(3), LATIN 403(3), LATIN 450W(3) (Sem: 5-8)

ADDITIONAL COURSES(9 credits)
ANTH 045 GS;US;IL(3) or 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 404(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)
ANTH 045 GS;US;IL(3) or RUS 100 GH;IL(3) or RUS 110 GH;IL(3) or RUS 120 GH;IL(3); RUS 130 IL(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 200.)

SPAN 200(3), SPAN 253(3), SPAN 300(3) (Sem: 3-5)
SPAN 410(3), SPAN 412(3), SPAN 414(3), SPAN 440(3) (Sem: 5-8)

ADDITIONAL COURSES (12 credits)

ANTH 045 GS;US;IL(3) or 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) (Sem: 4-6)

Select 3 credits from 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: Fall Semester 2004

Blue Sheet Item #: 32-06-110

Review Date: 10/11/04

UCA Revision #1: 9/1/06

ED

Associate Degrees

Minors

Education Policy Studies Minor

University Park, College of Education (E P S)

PROFESSOR ROGER SHOUSE, *in charge*

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)

Select 12 credits from: CI ED 470(3), EDLDR 405(3), EDLDR 409(3), EDLDR 476(3), EDLDR 480(3), EDLDR 481(3), EDLDR 485(3), EDLDR 496(1-18), EDTHP 401 IL(3), EDTHP 411 US(3), EDTHP 416 US(3), EDTHP 420(3), EDTHP 427(3), EDTHP 430(3), EDTHP 440(3), EDTHP 441(3), EDTHP 496(1-18) (Sem: 5-8)

Last Revised by the Department: Summer Session 2006

Blue Sheet Item #: 34-06-261

Review Date: 4/11/06

ED

Special Education Minor

University Park, College of Education (SPLLED)

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 observe effective teachers at work, and 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. The Special Education minor is open to students in any major who meet the pre-requisite requirements.

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:19 credits

PRESCRIBED COURSES(11 credits)

SPLED 400(4), SPLED 430(1), SPLED 431(2), SPLED 432(2), SPLED 433(2) (Sem: 5-8)

ADDITIONAL COURSES(8 credits)

SPLED 434A(2) or SPLED 434B(2) (Sem: 5-8)

Select 6 credits from CSD 146 US;IL(3), CSD 218(3), CSD 269 US;IL(3), CSD 300 US;IL(3), RHS 100 GS(3), RHS 402(3), or RPTM 277 US(3)

Last Revised by the Department: Spring Semester 2010

Blue Sheet Item #: 38-01-023

Review Date: 8/25/09

ED

Technology Integration Minor for Pre-Service Teachers

University Park, College of Education (T I)

PROFESSOR SUSAN M. LAND, *in charge*

This minor consists of a program of study designed to enable teacher education students to: (1) develop skills and competencies in the integration of technology into teaching, learning, and curricula; (2) develop further expertise in teaching and learning through use of technology as thinking tools; (3) identify and solve everyday teaching and learning problems through applications of technology; and (4) generate powerful innovations to potentially redefine teaching and learning practices.

This 21-credit minor may be combined with any teacher education major at Penn State.

Students may apply for admission to this minor by completing and submitting an Application for Admission to a Minor to the Instructional Systems Program, 314 Keller Building, University Park Campus, 16802. For more information, contact Dr. Susan Land, SML11@psu.edu, 310-D Keller Building, (814)863-5990.

Only courses in which the student earns a grade of C or better may be counted toward the fulfillment of the requirements for the minor.

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

REQUIREMENTS FOR THE MINOR:21 credits

PRESCRIBED COURSES(9 credits)

EDPSY 014(3), INSYS 200(3) (Sem. 1-4)

EDTEC 400(3) (Sem. 5-8)

ADDITIONAL COURSES(12 credits)

(Some courses in this category include prerequisites not required in the minor.)

Select 12 credits from INSYS 441(3), INSYS 446(3), INSYS 447(3), EDTEC 448(3), EDTEC 449(3), LL ED 480 DF(3), MTHED 427(3) (Sem. 5-8)

Last Revised by the Department: Fall Semester 1998

Blue Sheet Item #: 26-05-016

Review Date: 03/11/05

ED

| [The Pennsylvania State University\(http://www.psu.edu/\)](http://www.psu.edu/) | ©2001-2008. All rights reserved.

This is the official bulletin of The Pennsylvania State University. Programmatic expectations 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.

