

Beeghly College of Education Bachelor of Science in Education Degree

PHYSICAL SCIENCE

Adolescence to Young Adult License (7-12)

The B.S. in Ed. degree requires the courses listed below to total a minimum 124 s.h. (27 s.h. BCOE Upper Division). No minor required. This teaching field also requires passage of the Praxis II test with a score of 165 on the PLT 7 - 12 (0524) & a score of 152 on the Chemistry Content Knowledge (0245) and 132 on the Physics Content Knowledge (0265) in order to be eligible to student teach.

Minimum requirements for teachers' licenses are determined by the Ohio Department of Education; if those requirements change, they become effective immediately at Youngstown State University. (YSU Undergraduate Bulletin)

Name \_\_\_\_\_ PID # \_\_\_\_\_ Date \_\_\_\_\_

All courses meeting requirements specified on this page require a minimum "C" grade. Exceptions are ENGL 1550 and 1551 which require a "B" average.

**General Education Requirements GER:**

**Writing:**

\_\_\_\_3 ENGL 1550 Writing 1 \_\_\_\_\_

\_\_\_\_3 ENGL 1551 Writing 2 \_\_\_\_\_

**Oral Communication:**

\_\_\_\_3 CMST 1545 Comm Theory & Practice \_\_\_\_\_

**Math:**

\_\_\_\_3 MATH 1571, 1572 or 2673 \_\_\_\_\_

**Natural Science:** (courses in the major meet this requirement)

\_\_\_\_3 Natural Science Course \_\_\_\_\_

\_\_\_\_3 Natural Science Course \_\_\_\_\_

\_\_\_\_3 Natural Science Course \_\_\_\_\_

**Artistic & Literary:**

\_\_\_\_3 Artistic & Literary Course \_\_\_\_\_

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**Societies & Institutions:**

\_\_\_\_3 Societies & Institutions \_\_\_\_\_

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**Personal & Social Responsibility:**

\_\_\_\_3 PSYC 1560 General Psychology \_\_\_\_\_

\_\_\_\_3 Personal & Social Responsibility Course \_\_\_\_\_

**Selected Topics:**

\_\_\_\_3 This requirement is met by SPED 2630 listed in Professional Education Requirements \_\_\_\_\_

One choice from GER courses from either Artistic & Literary Perspectives or Societies & Institutions

\_\_\_\_3 \_\_\_\_\_

**\* Courses within this area must average a 2.67.**

**Professional Education Requirements in Secondary Education:**

The specific course work required in professional education is as follows:

\_\_\_\_3 FOUN 1501 Intro to Education **BCI check required**

\_\_\_\_3 PSYCH 3709 Psychology of Education \_\_\_\_\_

\_\_\_\_3 EDTC 3771 Technologies for Teaching \_\_\_\_\_

\_\_\_\_3 SPED 2630 Individuals w/Except in Society \_\_\_\_\_

**+ BCOE Upper Division Status Required**

\_\_\_\_3 + FOUN 3708 Education and Society (W) (T) \_\_\_\_\_

\_\_\_\_3 + TEMC 3707 Science/Tec/Society \_\_\_\_\_ (Spring only)

**SEDUC CLUSTER**

\_\_\_\_3 + TERG 3711 Rdg Appl Content Areas, Secondary Yrs. \_\_\_\_\_

\_\_\_\_3 \*+ SED 3706 Principles of Teaching Adolescents \_\_\_\_\_

\_\_\_\_4 + SED 4800C Special Methods:Science (O) \_\_\_\_\_ (F)

\_\_\_\_3 + FOUN 3710 Educational Assessment \_\_\_\_\_

\_\_\_\_3 One required content course \_\_\_\_\_ (optional)

\*Apply one year in advance - BCOE room 2101

**STUDENT TEACHING**

\_\_\_\_10 + SED 4842 Student Teaching (Capstone) \_\_\_\_\_

\_\_\_\_2 + SED 4842A Student Teaching Seminar \_\_\_\_\_

**\* Courses within this area must average a 2.67.**

**See your advisor in the Chemistry Dept. or the Physics Dept. for advisement for the courses in this major.**

All of the following:

\_\_\_\_4 CHEM 1515 General Chemistry 1 \_\_\_\_\_

\_\_\_\_4 CHEM 1516 General Chemistry 2 \_\_\_\_\_

\_\_\_\_5 CHEM 2604 Quantitative Analysis \_\_\_\_\_

\_\_\_\_4 CHEM 3719 Organic Chemistry 1 \_\_\_\_\_

\_\_\_\_4 CHEM 3720 Organic Chemistry 2 \_\_\_\_\_

\_\_\_\_3 Any 3000 or 4000 level chemistry course \_\_\_\_\_

All of the following:

\_\_\_\_3 PHYS 2608 Sound \_\_\_\_\_

\_\_\_\_4 PHYS 2610 General Physics 1 \_\_\_\_\_

\_\_\_\_1 PHYS 2610L General Physics Lab 1 \_\_\_\_\_

\_\_\_\_4 PHYS 2611 General Physics 2 \_\_\_\_\_

\_\_\_\_1 PHYS 2611L General Physics Lab 2 \_\_\_\_\_

Select a minimum of 12 s.h. in Physics from the following:

\_\_\_\_3 PHYS 3701 Intermed Class Mech 1 \_\_\_\_\_

\_\_\_\_3 PHYS 3702 Intermed Class Mech 2 \_\_\_\_\_

\_\_\_\_4 PHYS 3705/3705L Thermo/Class Stat Mech & Lab \_\_\_\_\_

\_\_\_\_4 PHYS 3704/3704L Modern Physics & Lab \_\_\_\_\_

\_\_\_\_4 PHYS 3722/3722L Advanced Optics Light & Lab \_\_\_\_\_

\_\_\_\_3 PHYS 4805 Undergrad Physics Research \_\_\_\_\_

\_\_\_\_1-3 PHYS 5890 Physics & Astronomy for Educators \_\_\_\_\_

\_\_\_\_4 PHYS 2607 Phys. Sc. for Mid. Child. Ed. and Sec. Ed. \_\_\_\_\_

6 s.h. from the following:

\_\_\_\_4 BIOL 2601 Principles of Biology 1 & Lab \_\_\_\_\_

\_\_\_\_4 BIOL 2602 Principles of Biology 2 & Lab \_\_\_\_\_

\_\_\_\_4 GEOL 1505 Physical Geology \_\_\_\_\_

\_\_\_\_3 GEOL 2602 Intro to Oceanography \_\_\_\_\_

\_\_\_\_3 GEOG 2630 Weather \_\_\_\_\_

\_\_\_\_3 ASTR 1504 Descriptive Astronomy \_\_\_\_\_

All of the following mathematics courses:

\_\_\_\_4 MATH 1571 Calculus 1 \_\_\_\_\_

\_\_\_\_4 MATH 1572 Calculus 2 \_\_\_\_\_

\_\_\_\_4 MATH 2673 Calculus 3 \_\_\_\_\_

A course in computer science is recommended, but not required.

**The following additional courses may be needed based on the placement test but do not count toward program:**

\_\_\_\_3 RSS 1510 A/B prerequisite to ENGL 1550 \_\_\_\_\_

\_\_\_\_3 ENGL 1539 prerequisite to ENGL 1550 \_\_\_\_\_

\_\_\_\_3 ENGL 1540 prerequisite to ENGL 1550 \_\_\_\_\_

\_\_\_\_4 MATH 1500 prerequisite to MATH 1501 \_\_\_\_\_

\_\_\_\_5 MATH 1501 prerequisite to MATH 2623/265 \_\_\_\_\_

Candidates will not be permitted to take the following professional education courses more than twice: FOUN 1501, FOUN 3708, EDTC 3771, PSYC 3709, SPED 2630, SPED 2631, TERG 2601, TERG 3701, 3702, 3703, 3710, 3711, TEMC 3702, TEMC 3707, SED 4800 series, ECE 2629, ECE 3760, pre-student teaching courses - ECE TEC, MCE Internship, STEP, SED 3706, MULTI 4807, student teaching seminar, and student teaching.

Neither admission to the University nor declaration of a major related to a teaching field guarantees admission to the Beeghly College of Education (BCOE)'s Teacher Education Programs or candidacy for a teaching license. **Formal Admission to Teacher Education (Upper Division) is required before students are allowed to enroll in junior and senior level courses in the College. Undetermined Education students must declare a major before applying for admission to the Teacher Education Program.**

<p><b>Admission to the Teacher Education Program (Upper Division) is obtained upon satisfactory completion of the following requirements (check when completed):</b></p> <p>_____ Minimum completion of 60 semester hours</p> <p>_____ Minimum 2.67 overall gpa and passage of the Praxis I (Pre-Professional Skills Test) with the following scores:          _____ Reading - 173          _____ Writing - 172          _____ Mathematics – 172</p> <p>“B” average or better (A-C, B-B) for:          _____ ENGL 1550          _____ ENGL 1551</p> <p><b>OR</b></p> <p>_____ ENGL 2601 if failure to meet “B” average above “B” or better in ENGL 2601. <b>If you receive a “C” or below, you will need to retake the course.</b></p> <p>“B” average or better (B-B-B, A-B-C) across the following:          _____ FOUN 1501          _____ CMST 1545          _____ CHEM 1516 or PHYS 2610</p> <p><b>If you do not have a “B” average, you will need to retake courses until the “B” average is achieved.</b></p> <p>_____ Completion of Good Moral Character Statement.</p> <p>_____ Must attach a valid copy of BCI &amp; FBI clearances.</p>	<p>After candidates have completed a minimum of 60 semester hours and fulfilled all other admission requirements, they should submit an application for Admission to the Teacher Education Program (Upper Division).</p> <p>The application for Upper Division must be completed and submitted to BCOE room 2101 no later than:</p> <p><b>* September 15</b> to register for Upper Division courses for Spring  <b>* February 15</b> to register for Upper Division courses for Summer and Fall</p> <p>Each completed application must be reviewed and approved by the Upper Division Admission and Retention Committee. If all requirements are met, candidate will be allowed to register for Upper Division courses the following semester. Upper Division courses are the courses on the front designated with the “+” symbol.</p> <p><b>Upper Division Applications submitted after the deadlines listed above will NOT be reviewed until after the next deadline.</b></p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p><b>PLEASE NOTE:</b> If you change your address or your program intent semester after submitting any applications (Upper Division, TEC, Request for Graduation and/or Licensure Evaluation, Student Teaching) to the College of Education, please file the change in BCOE room 2101.</p> </div>
<p><b>Prerequisites for SED 3706 Cluster:</b></p> <p>_____ BCOE Upper Division          _____ SPED 2630          _____ FOUN 3708          _____ EDTC 3771          _____ Completion of prescribed program prerequisites          _____ Minimum 2.67 GPA in content area coursework</p>	<p>The application for the SED 3706/ Request for Graduation and/or Licensure Evaluation form must be submitted one year in advance to BCOE room 2101 no later than:</p> <p><b>* September 15</b> – for Fall SED 3706  <b>* February 15</b> – for Spring SED 3706</p> <p>Upon verification of the completion of all prerequisites candidate will be notified of acceptance and sent the course codes for which to register.</p>
<p><b>Prerequisites for Student Teaching Block:</b> <span style="border: 1px solid black; padding: 2px;">BCI check required</span></p> <p>_____ BCOE Upper Division and Senior status          _____ Overall GPA of at least a 2.67          _____ Successful completion of SED 3706 Cluster          _____ PSYC 3709          _____ SED 4800          _____ Minimum 2.67 GPA in content coursework <b>and</b> professional education courses with no grade less than “C”          _____ Passage of the Praxis II PLT 7 - 12 and Chemistry Content Knowledge and the Physics Content Knowledge tests.</p>	<p>Instructions for completing the Student Teaching Application and Forms are available in BCOE room 2101. The application and forms must be completed and printed from the BCOE website and submitted no later than:</p> <p><b>* September 15</b> to Student Teach the following Spring Semester.  <b>* February 15</b> to Student Teach the following Fall Semester.</p> <p><b>I have reviewed this requirement sheet with an academic advisor. I assume responsibility for completing my program and for remaining informed by meeting at least once a year with my advisor.</b></p>

BCOE: 330-941-3268

BCOE website: <http://www.coe.yosu.edu>

Gen Ed website: <http://www.cc.yosu.edu/ger>

Candidate signature \_\_\_\_\_

Academic Advisor signature \_\_\_\_\_