

POST GRAD

**Beeghly College of Education
INTEGRATED SCIENCES
Adolescence to Young Adult (7-12) License**

This program is designed for persons currently holding a bachelor’s degree from an accredited college seeking licensure. A student can receive a second degree if the previous degree is not a Bachelor of Science in Education. Licensure requires the courses listed below in addition to the courses required for the major/licensure field. This teaching field also requires passage of the Praxis II tests with a score of 165 on the PLT 7 - 12 (30524) & Option 1: a score of 560 on the Biology & General Science (20030) & 132 on the Physics (10265) or 152 on the Chemistry (20245) or 151 on the Earth Science (20571) OR Option 2: 520 on the Chemistry, Physics, & General Science (10070) & 148 on the Biology Content Knowledge (20235) 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.

Oral Communication:

_____3 _____

Math:

_____3 MATH 2623 or a higher math course

*** 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 FOUND 1501 Intro to Educ BCI check required

_____3 PSYCH 3709 Psych of Educ _____

_____3 EDTC 3771 Techn for Teach _____

_____3 SPED 2630 Indiv w/Exc in Society _____

+ BCOE Upper Division Status required

_____3 + TERG 3711 Rdg Appl Content Area, Secondary Years _____

_____3 + FOUND 3708 Educ and Soc (W) (T) _____

_____3 + TEMC 3707 Science/Tec/Society _____

_____5 *+ SEDUC 3706 Princ of Teach Adolescents _____
*Apply one year in advance – BCOE Room 2101

_____3 + SEDUC 4800C Spec Meth Sci (O) _____

_____10 + SEDUC4842 Student Teaching (Capstone) _____

_____2 + SEDUC4842A Stu Teach Sem _____

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

* Courses within this area must average a 2.67.

See an advisor in the College of Education for advisement on the courses for this major.

All of the following:

- _____4 MATH 1571 Calculus 1
_____4 MATH 1572 Calculus 2

A course in computer science is recommended but not required.

Choose one of the following course sequences as a primary science concentration:

1. BIOLOGY

- _____4 BIOL 2601/L Prin of Bio & Lab
_____4 BIOL 2602/L Prin of Bio 2 & Lab

Select 14 s.h. from the following:

- _____4 BIOL 3741 Animal Diversity
_____4 BIOL 3702 Microbiology
_____3 BIOL 3721 Genetics
_____4 BIOL 3762 Field Botany
_____5 BIOL 3780 Evolutionary Ecology
_____3 BIOL 4890 Molecular Genetics
_____1 BIOL 4890L Mole Genetics Lab
_____5 BIOL 3730 Human Physiology

2. CHEMISTRY

All of the following:

- _____4 CHEM 1515 General Chemistry 1
_____4 CHEM 1516 General Chemistry 2
_____5 CHEM 2604 Quant Analysis
_____4 CHEM 3719 Organ Chemistry 1
_____4 CHEM 3720 Organic Chemistry 2
_____3 Any 3000 or 4000 level chem. crse

3. PHYSICS

All of the following:

- _____3 PHYS 2608 Sound
_____4 PHYS 2610 General Physics
_____1 PHYS 2610L Gen Physics Lab1
_____4 PHYS 2611 Gen Physics 2
_____1 PHYS 2611L Gen Physics Lab 2

Select a minimum of 11 s.h. in Physics from the following:

- _____3 PHYS 3701 Inter Class Mech
_____3 PHYS 3702 Inter Class Mech 2
_____3 PHYS 3704 Thermo/Class Stat Mech
_____1 PHYS 3704L Thermo/Class Stat Mech Lab
_____3 PHYS 3705 Modern Physics
_____1 PHYS 3705L Modern Physics Lab
_____3 PHYS 3722 Adv Optics & Light
_____1 PHYS 3722L Adv Optics & Light Lab
_____3 PHYS 4805 Undergrad Research
_____1-3 PHYS 5890 Phys & Astro for Educ

4. EARTH/SPACE SCIENCE

All of the following:

- _____4 GEOL 1505 Physical Geology
_____3 GEOL 1514 Life of Geological Past
_____3 GEOL 2602 Intro to Oceanography
_____3 GEOG 2630 Weather
_____3 ASTRO 1504 Descrip Astronomy
_____3 ASTRO 2609 Moon & Planets

Select one from the following:

- _____4 GEOL 1513 Phys Evol in North
_____3 GEOL 2615 Geol in the Envir
_____3 ENST 2600 Found of Envir Studies

Select one of the following:

- _____3 GEOG 3703 Human Impacts on the Environment.
_____3 GEOG 3730 Global Climate
_____3 GEOG 3737 Soils and Land Use

Then take three (3) remaining science fields of the following course sequences as secondary concentrations:

a. BIOLOGY

- _____4 BIOL 2601/L Prin of Biol & Lab
_____4 BIOL 2602/L Prin of Biol 2 & Lab

Select 5 s.h. from the following:

- _____4 BIOL 3741 Animal Diversity
_____4 BIOL 3702 Microbiology
_____3 BIOL 3721 Genetics
_____4 BIOL 3762 Field Botany
_____5 BIOL 3780 Evolutionary Ecology
_____3 BIOL 4890 Molecular Genetics
_____1 BIOL 4890L Mole Genetics Lab
_____5 BIOL 3730 Human Physiology

b. CHEMISTRY

- _____4 CHEM 1515 General Chemistry 1
_____4 CHEM 1516 General Chemistry 2
_____4 CHEM 3719 Organic Chemistry

Select one course from the following:

- _____5 CHEM 2604 Quantitative Analysis
_____4 CHEM 3720 Organic Chemistry 2
_____3 CHEM 3785 Biochemistry 1

c. PHYSICS

All of the following:

- _____3 PHYS 2608 Sound
_____4 PHYS 2610 Gen Physics 1
_____1 PHYS 2610L Gen Physics Lab 1
_____4 PHYS 2611 Gen Physics 2
_____1 PHYS 2611L Gen Phys Lab 2

Select a minimum of 3 s.h. in Physics from the following:

- _____3 PHYS 3701 Intermed Class Mech 1
_____3 PHYS 3702 Intermed Class Mech 2
_____3 PHYS 3704 Thermo/Class Stat Mech
_____1 PHYS 3704L Thermo/Class Stat Mech
_____3 PHYS 3705 Modern Physics
_____1 PHYS 3705L Modern Physics Lab
_____3 PHYS 3722 Adv Optics & Light
_____1 PHYS 3722L Adv Optics & Light Lab
_____3 PHYS 4805 Undergrad Research
_____1-3 PHYS 5890 Phys & Astro for Educ

d. EARTH/SPACE SCIENCE

- _____4 GEOL 1505 Physical Geology
_____3 GEOL 2602 Intro to Oceanography
_____3 GEOG 2630 Weather
_____3 ASTRO 1504 Descrip Astro

Select one of the following:

- _____3 ENST 2600 Found of Enviro Study
_____3 GEOL 2615 Geol in the Enviro 1
_____3 GEOG 3703 Human Impact on the Environment
_____3 GEOG 3730 Global Climate

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>Admission to the Teacher Education Program (Upper Division) is obtained upon satisfactory completion of the following requirements (check when completed):</p> <p>_____ Minimum 2.67 overall gpa and passage of the Pre-Professional Skills Test (PPST) with the following scores</p> <p>_____ Reading - 173</p> <p>_____ Writing - 172</p> <p>_____ Mathematics – 172</p> <p>“B” average or better (B-B-B, A-B-C) across the following:</p> <p>_____ FOUND 1501</p> <p>_____ COMST 1545</p> <p>_____ GEOL 1505, or BIOL 2602, or CHEM 1516, or PHYS 2610</p> <p>If you do not have a “B” average, you will need to retake courses until the “B” average is achieved.</p> <p>_____ Completion of Good Moral Character Statement.</p>	<p>After candidates have fulfilled 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 by:</p> <p>* September 15 to register for Upper Division courses for Spring</p> <p>* February 15 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>Applications submitted after the deadline are NOT guaranteed acceptance in time to register for Upper Division courses.</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>PLEASE NOTE: 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>Prerequisites for SEDUC 3706 Block:</p> <p>_____ BCOE Upper Division</p> <p>_____ TERG 3711</p> <p>_____ SPED 2630</p> <p>_____ EDTC 3771</p> <p>_____ Completion of prescribed program prerequisites</p> <p>_____ Minimum 2.67 GPA in content area coursework</p>	<p>The application for the SEDUC 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>* September 15 – for Fall SEDUC 3706</p> <p>* February 15 – for Spring SEDUC 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>Prerequisites for Student Teaching Block: BCI check required</p> <p>_____ BCOE Upper Division and Senior status</p> <p>_____ Overall GPA of at least a 2.67</p> <p>_____ Successful completion of SEDUC 3706 Block</p> <p>_____ PSYCH 3709</p> <p>_____ SEDUC 4800</p> <p>_____ Minimum 2.67 GPA in content coursework and professional education courses with no grade less than “C”</p> <p>_____ Passage of the Praxis II PLT 7 -12 & the Biology & General Science and Physics or the Chemistry or the Earth Science OR the Chemistry, Physics, & General Science and the Biology Content Knowledge</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>* September 15 to Student Teach the following Spring Semester.</p> <p>* February 15 to Student Teach the following Fall Semester.</p> <p>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.</p>