

The Beeghly College of Education

Philip Ginnetti, Dean

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The Beeghly College of Education offers programs and activities for preparing individuals for a variety of educational positions in schools, colleges, industry, business and governmental agencies. It is organized to offer curricula and/or services for the preparation of: (1) teachers in early childhood, middle, special education, and secondary school classrooms; (2) personnel to serve in various levels of school and administrative positions; (3) supervisory personnel for curricular development and instructional improvement; (4) teachers and other personnel in special education; (5) individuals for a wide variety of guidance and student personnel positions; (6) professional educators in colleges; community, technical, and vocational schools; and governmental agencies.

The Beeghly College of Education is essentially an upper-division school comprising three departments: Counseling and Special Education; Educational Foundations, Research, Technology, and Leadership; and Teacher Education. It cooperates with the College of Liberal Arts and Social Sciences, the Bitonte College of Health and Human Services, and the College of Fine and Performing Arts in preparing teachers for both public and private schools.

Youngstown State University teacher education programs are accredited by the Ohio Department of Education and the National Council for Accreditation of Teacher Education (NCATE). These programs are subject to the sections of the Ohio law and regulations governing teacher education and licensure. The College of Education serves as the recommending agent for all Youngstown State University graduates who wish to qualify for state of Ohio licensure as well as for licensure in other states.

In the College of Education, professional courses are offered leading to teacher licensure and to the Bachelor of Science in Education degree.

Prospective teachers may also be licensed upon receiving degrees earned in the College of Liberal Arts and Social Sciences, the College of Fine and Performing Arts, and the Bitonte College of Health and Human Services, providing they meet requirements for admission to upper-division status in the College of Education and complete the proper teacher education programs.

Program Conceptual Framework: Reflection in Action

The College's professional education programs, initial and advanced, are defined within a conceptual framework referred to as *Reflection in Action*. This translates into the following institutional standards and outcome statements:

R1: Reflective practice is Reasoned.

Candidates exercise rational judgment and give thoughtful consideration to their professional activities and decisions.

Outcomes:

- A. Candidates use research, theory, and wisdom of practice to inform their pedagogy.
- B. Candidates apply the appropriate knowledge of assessment and evaluation to their practice.
- C. Candidates utilize evaluation results for evidence-based decision-making.
- D. Candidates employ reflective professional judgment across all facets of their practice.

R2: Reflective practice is Ethical.

Candidates act in a moral, legal, and principled manner in professional practice.

Outcomes:

- A. Candidates apply ethical and legal practices in performing their professional responsibilities.
- B. Candidates demonstrate knowledge of education policies at the local, state and national level for instructional decision-making.
- C. Candidates value and apply the professional code of conduct particular to their area.

R3: Reflective practice is Fair.

Candidates exercise democratic fairness, principled concern, and humane care in their professional activities.

Outcomes:

- A. Candidates demonstrate professional, collaborative, and inclusive dispositions both in their field placements and within their courses.
- B. Candidates foster inclusive environments, and respect the backgrounds of and beliefs held by their students or clients.
- C. Candidates strive to meet the educational needs of all students or clients in a caring, non-discriminatory, and equitable manner.
- D. Candidates collaborate with colleagues, families and communities to ensure that all students reach their potential.

R4: Reflective practice is Logical.

Candidates think analytically in a deliberately consistent and rationally defensible manner.

Outcomes:

- A. Candidates think systematically and analytically about professional practice and professional decision-making.
- B. Candidates appropriately apply knowledge of research to their professional practice.

R5: Reflective practice is Effective.

Candidates apply professional knowledge in a consciously purposeful and deliberate manner.

Outcomes:

- A. Candidates are proficient in the procedures, techniques, and methods of their respective fields.
- B. Candidates are proficient in the content of their respective fields.

R6: Reflective practice is Critical.

Candidates use professional knowledge, objectively applying it to their own professional actions and the professional actions of others to the benefit of their students and clients.

Outcomes:

- A. Candidates evaluate their own effectiveness by giving attentive consideration to the positive growth of their students/clients.
- B. Candidates assess the needs for professional development and actively engage in professional activities to expand their knowledge, experiences and relationships.

R7: Reflective practice is *Technical*.

Candidates attend to procedural details and optimize the use of technologies appropriate to professional practice.

Outcomes:

- A. Candidates effectively and appropriately integrate various technologies into their work as teachers, counselors and administrators to maximize P-12 student learning.
- B. Candidates use technology to enhance their own professional development.

Requirements for the Degrees

Bachelor of Science in Education

It is the student's responsibility to fulfill graduation requirements for the appropriate degree. These consist of:

1. The pre-college or preparatory courses for each degree. Typically, these are completed at the high school level. Prior to admission to upper-division, the student must remove any deficiencies by a process described in the Academic Policies and Procedures section of this catalog.
2. The general education requirements to be completed in the University are explained in the Academic Policies and Procedures section of this catalog. Knowledge domains are comprised of natural sciences, artistic and literary perspectives, societies and institutions, personal and social responsibility, selected topics and electives and a capstone.
3. Completion of a minimum of 124 semester hours of credit with a grade point average of at least 2.67 overall and a 2.67 grade point average in the teaching field and professional education courses (each computed separately including transfer hours) with no less than a C grade in all major, licensure, and professional education courses.

NOTE: No student will 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 3701, TERG 3702, TERG 3703, TEMC 3702, SED 4800 series, ECE 2629, ECE 3760, pre-student teaching courses—ECE TEC, MCE Internship, STEP, SED 3706, MULT 4807, student teaching seminar and student teaching.

4. Students graduating from the Beeghly College of Education earn a Bachelor of Science in Education degree. The degree is awarded to students who qualify for a teaching license. Exceptions to this policy can be made only by the dean of the College of Education.

The curricula leading to the degrees are designed to be completed in four academic years.

ROTC students are allowed certain modifications of the requirements, as explained in the Department of Military Science in the College of Health and Human Services section.

Majors in Teacher Education

The following designations indicate student majors.

1. Early Childhood Education — (Pre-kindergarten through grade three). For teaching children who are typically developing, at-risk, gifted, and who have mild/moderate educational needs.
2. Middle Childhood Education — (Grades four through nine). For teaching learners in at least two of four curriculum concentration areas named on the teaching license. Students choose two areas from the following four: a) language arts; b) mathematics; c) science; d) social studies.
3. Secondary Education — (Grades seven through twelve). For teaching learners in a curriculum area named on the teaching license. Students may choose from: a) Life Sciences Educ.; b) Earth Sciences Educ.; c) Physical Sciences Educ.; d) Integrated Sciences Educ.; e) Integrated Language Arts Educ.; f) Integrated Mathematics Educ.; g) Integrated Social Studies Educ.
4. Career/Technical Education — (grades four and beyond). For teaching in a subject area named on the teaching license. Students may choose from: a) Family and Consumer Sciences Educ.
5. Multi-age Education — (Pre-kindergarten through grade twelve). For teaching in a curriculum area named on the teaching license. Students may choose from: a) Art Educ.; b) French Educ.; c) Italian Educ.; d) Spanish Educ.; e) Health Educ.; f) Physical Educ.; g) Music Educ.
6. Special Education — (Intervention specialist, kindergarten through grade twelve). For teaching learners named on the teaching license. Students may choose from: a) Mild/Moderate Disabilities; b) Moderate/Intensive Disabilities.

Requirements for Admission to Teacher Education Licensure Programs

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 is required before students are allowed to enroll in junior and senior level courses in the College.*

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). The application for upper division must be completed and submitted to BCOE Room 2101 by: September 15 to register for Upper Division courses for Spring; February 15 to register for Upper Division courses for Summer and Fall. Applications submitted after the deadline are NOT guaranteed acceptance in time to register for Upper Division courses.

Each completed application will be reviewed and approved by the Upper Division Admission and Retention Committee. If all requirements are met, student will be allowed to register for Upper Division courses the following semester.

Admission to the Teacher Education Program (Upper Division) is obtained upon satisfactory completion of the following requirements:

1. Minimum completion of 60 semester hours
2. Minimum 2.67 overall gpa and passage of the Praxis I with the following minimum scores: Writing – 172, Reading – 173, Mathematics – 172. The test is administered through the Education Testing Service and officially reported to YSU.
3. “B” average or better (A-C, B-B) for:
 - a. ENGL 1550
 - b. ENGL 1551

Note: ENGL 2601 is required if failure to meet “B” average above.

If you receive a “C” or below, you will need to retake this course.

4. “B” average or better (B-B-B, A-B-C) across the following:
 - a. FOUN 1501
 - b. CMST 1545
 - c. See curriculum sheet for concentration area course.

Note: If you do not have a “B” average, you will need to retake courses until the “B” average is achieved.

5. Completion of Good Moral Character Statement.
6. Current Bureau of Criminal Investigation (fingerprinting) and FBI clearances.

Candidates for degrees outside the College of Education are enrolled in the college awarding the particular degree, nonetheless these students must meet the above requirements and be admitted to Teacher Education in order to enter the junior and senior level courses offered in the College of Education leading to teaching licensure. All B.S. in Ed. candidates are enrolled in the College of Education and must meet these requirements for admission. Transfer students who were in good standing in an NCATE approved teacher education program at the previous school and who were admitted to the

Teacher Education Program there, may be admitted to the Teacher Education Program at Youngstown State University with appropriate documentation.

Students are encouraged to plan to meet the requirements for admission to teacher education by the end of their sophomore year. Later qualification does not justify waiving any course prerequisites or planned sequences, and usually results in prolonging the period of study beyond the usual four years.

Graduation and/or Licensure Evaluation

A Request for Graduation and/or Licensure Evaluation form should be completed and submitted to BCOE Room 2101 the semester prior to student teaching and/or application for licensure. This generates a program evaluation to assure that candidates are meeting graduation and/or licensure requirements.

Requirements for Student Teaching

Application for a student teaching assignment must be filed with the Student Field Experiences Office during the preceding semester in which student teaching is to be completed. (BCOE Room 2101 for details.) The student must register for the proper number of hours for the respective student teaching courses(s) during the open registration period preceding the student teaching term. Students anticipating more than one teaching license should seek advisement in the College of Education. To qualify for a student teaching assignment, the student must have satisfied the following requirements: 1) BCOE Upper Division Status; 2) a minimum overall G.P.A. of a 2.67; 3) completion of the program prerequisites; 4) an average of 2.67 in the major/teaching area and professional education courses (each computed separately with no grade less than a C); 5) a passing score on the Praxis II content and PLT test(s) and; completion of a criminal background check. No other course may be taken with student teaching except as stipulated in the specific program requirements. The Administrator of Student Field Experiences must be notified in writing prior to a student’s attempt to register for course(s) outside of student teaching. Student teaching is a full-time course, which may deviate somewhat from the University calendar depending on the calendar of the assigned school.

Requirements for Licensure

Initial Licensure. The dean of the College of Education has the authority to recommend to the Ohio State Board of Education, and other licensure agencies, those Youngstown State University graduates who qualify for licensure in any teacher education program offered by the University. Students earning degrees in schools other than the College of Education must complete all requirements of the teacher education program in order to be licensed. All candidates

for any teaching license must meet the requirements for program admission in the College of Education, but the degree earned may be conferred by any of the University colleges in accordance with the specific requirements for the degree desired. However an overall undergraduate grade point average of 2.67 and 2.67 in the major field(s) and professional-education courses must have been earned if the student is to be recommended for licensure by Youngstown State University, irrespective of the type of degree received. **In addition, each candidate for licensure must pass the State of Ohio prescribed licensing examination(s) (Praxis II) prior to receiving YSU's recommendation for licensure.**

For more information regarding additional fields, or endorsements, consult the academic advisors in the College of Education.

Post-Baccalaureate Licensure. Post-baccalaureate students desiring Youngstown State University's recommendation for licensure in Ohio and any other state must be admitted to the University. Post-baccalaureate students are advised in the undergraduate student advisement office (BCOE Room 2101) and are advised in the same manner as undergraduate students. They must meet the standard set of requirements for admission and upper-division status in the College of Education. They must satisfy the teaching field, and professional education requirements comparable to the undergraduate program. Post-baccalaureate students may use approved, documented program equivalency to satisfy appropriate parts of the licensure program.

Licensure in a Second Teaching Field. Post-baccalaureate and undergraduate students seeking licensure in a second teaching field will need to satisfy the approved academic program as stated in the catalog under the section "Teaching Fields." The same quality point requirements apply to second teaching fields as those for initial licensure. A passing score on the specialty exam of the State of Ohio for the second teaching field is required prior to YSU's recommendation for the second teaching field.

Advisement

All prospective teachers are advised by the academic advisors in the College of Education. Secondary students, middle childhood students, and multi-age students are also advised in the department in which their major or areas of concentration are located.

Title II, Higher Education Act

For the Institutional Report on the Quality of Teacher Preparation, Title II, Higher Education Act, please see Appendix B of this *Bulletin*.

Curricula and Courses of Instruction

Each curriculum leads to an Ohio provisional license. 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. State department minimal requirements may be, and usually are, exceeded by University requirements.

Courses will be found in the back of this *Bulletin* in alphabetical order by course prefix.

DEPARTMENT OF COUNSELING AND SPECIAL EDUCATION

Professors Dove, Kress, Martin; Associate Professors Imler, Miller; Assistant Professors Briley (Chair), Jackson, Lewis, McGee, Protivnak.

Counseling

The counseling program offers an M.S. in Education degree with specialization in student affairs, clinical mental health, and school counseling. Candidates in the school counseling and clinical mental health programs may qualify for licensure and meet the educational requirements for National Counselor Certification. A complete listing of program options and course descriptions is presented in the YSU Graduate Bulletin and on the department's website.

The counseling program offers a limited number of undergraduate elective courses for students across campus, a GER course in mental health, and several in leadership.

Special Education

The department offers a B.S. and M.S. in Education with specialization in moderate/mild (M/M) or moderate/intense (M/I) disabilities. The undergraduate programs lead to licensure in the Intervention Specialist (M/M) and the Intervention Specialist (M/I) serving grades K-12. An Intervention Specialist (M/M) serves students with mild to moderate cognitive disabilities. Intervention Specialists (M/I) serve students with moderate to severe and multiple disabilities. Both programs emphasize the behavioral needs of students with disabilities.

Majors in this program must complete the general education requirements, professional education requirements, 12 hours of reading, and curriculum content requirements.

Reading and Study Skills (RSS)

The Reading and Study Skills Center operated by the Department of Counseling in the Beeghly College of Education provides individualized and group instruction in improving reading rate and comprehension as well as study strategies. The Reading and Study Skills Center is staffed by faculty, graduate assistants, undergraduate tutors, and a full-time coordinator. The Center maintains a laboratory component for RSS 1510A and 1510B—courses mandated for students based on the COMPASS® Reading Test (CRT). Additional services include individual tutoring in study strategies and reading rate, and reading comprehension, college success workshops and assistance with preparation for standardized tests such as PRAXIS, MCAT, and MAT. Peer tutors are available to work with students on an individual basis. Call or visit our website to make an appointment.

The services offered by the Reading and Study Skills Center are free of charge to all registered YSU students. The Reading and Study Skills Center is located in 154 Maag Library and is open from 8:00 a.m. to 6:00 p.m., Monday and Wednesday, 8:00 a.m. to 5:00 p.m., Tuesday, Thursday, and Friday. For further information contact the Reading and Study Skills Center, telephone 330-941-3099 or visit website at www.cc.ysu.edu/rdg-studyskills/.

Intervention Specialist License (K-12)

Mild/Moderate Disabilities program requires a minimum of 126 s.h.

Moderate/Intensive Disabilities program requires a minimum of 130 s.h.

The B.S. in Ed. degree requires the courses listed below. Licensure also requires passing the Ohio Praxis II Exams, prior to student teaching.

All courses meeting requirements specified on this page require a minimum “C” grade. Exceptions are ENGL 1550 and 1551 which require a “B” average. **PLEASE BE AWARE OF THE PREREQUISITE FOR EACH COURSE.**

General education requirements in Special Education (46 s.h.)

The specific coursework required in general education for both Mild/Moderate and Moderate/Intensive is as follows:

ENGL 1550 Writing 1	3
ENGL 1551 Writing 2	3
ENGL 2651 Intro to Language.....	3

Communication

CMST 1545 Comm Theory & Practice.....	3
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Math

MATH 2651 Math for Early Child Tchrs 1.....	3
MATH 2652 Math for Early Childhood Teachers 2.....	3
or	
MATH 2665 Foundations of Middle School Math.....	4

***Please note:** MATH 2652 or 2665 dependent on math placement exam score.

Natural Science

STEM 2600 Exploration in Science	4
Natural Sciences Course	3

Societies & Institutions

HIST 2605 or 2606.....	3
Societies & Institutions Course	3

Artistic & Literary

MUED 2621	3
Artistic & Literary Course.....	3

Personal & Social Responsibility

PSYC 1560.....	3
PSYC 3758.....	3
Elective from GER*	*3
Elective from GER*	*3

*Two choices from GER courses either from Natural Sciences, Societies & Institutions and/or Artistic & Literary Perspectives—no more than 3 courses from one domain.

Of these, students must have the following GER Intensives

- Writing Intensive (2 courses)
- Oral Communication Intensive (2 courses)
- Critical Thinking Intensive (2 courses)

Professional Education Requirements in Special Education (48 s.h.)

The specific coursework required in professional education for both Mild/Moderate and Moderate/Intensive is as follows:

FOUN 1501 Intro to Education	3
FOUN 3708 Education & Society	3
PSYC 3709 Educ Psychology	3
EDTC 3771 Tech for Teaching.....	3

Reading Course Requirements in Special Education

The specific coursework required in reading is as follows:

TERG 3710 Rdg Appl in Content Areas, Middle Years.....	3
TERG 3701 Phonics in Rdg Instruction.....	3
TERG 3702 Dev Rdg Inst & Lit Strat P-9.....	3

STEP Block

SPED 5835 Clsrm Mgmt Except Children & Youth.....	4
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SPED 4854 Cross Curricular Application.....4
 SPED 5864 Serv Coor Coll & Consult Student
 W/ Special Needs3
 TERG 3703 Assess & Inst in Reading, P-93

Student Teaching

SPED 4839 for M/I / SPED 4849 for M/M..... 4-12
 SPED 4869 Student Teaching Seminar (GER
 Capstone course).....2

**Curriculum Content Requirements
 in Special Education**

SPED 3715 Char & Needs Children & Youth
 w/ M/M Disabilities.....4
 SPED 5867 Interv & Remediation of
 Recept/Express Lang Dysfunction3
 SPED 5802 Educ of Except. Children3
 SPED 5828 Educ of Emotionally Disturbed
 Children4
 SPED 5866 Assess & Ref Except. Childn/Youth.....3
 SPED 5853 Diagnosis & Intervention Math
 SpEd.....3
 SPED 5851 Trns Plf Social Skills Dev & Hlth
 Rel Issues..... *3

**Curriculum Content Requirement for Teaching
 Students with Mild/Moderate Disabilities**

ENGL 3703 Lit for Young Children3
OR ENGL 3704 Lit for Middle School
OR ENGL 3705 Young Adult Lit
 SPED 5868 M/M Prac (Prereq is STEP)4

**Curriculum Content Requirement for Teaching
 Students with Moderate/Intensive Disabilities**

SPED 5833 Char & Needs of Exceptional
 Children & Youth w/M/I..... *3
 SPED 5834 Educ. Strategies for Children &
 Youth w/M/I.....4

***Please note:** SPED 5833 is a prerequisite for SPED 5834. Students will not be permitted into SPED 5834 without SPED 5833.

STEP

All students seeking licensure in an area of special education must complete STEP (Special Teacher Education Program). The program is an intensive field-based experience conducted in cooperation with local elementary and secondary schools. STEP is scheduled during fall and spring semesters. Students are committed to an 8:00 a.m. to 3:00 p.m. schedule. Because STEP is a full-time commitment, students are advised not to plan any outside work during that period, nor will they be permitted to take any concurrent course work.

In STEP, theory and methods instruction takes place at the university and onsite teaching takes place in the public schools. Students learn to observe, diagnose, prescribe for, and teach exceptional children individually and in small and large groups. Field experiences are carefully planned and closely supervised and evaluated daily to insure that students will develop needed competencies. The emphasis is

on individualized instruction adapted to the unique needs of each child.

Junior or senior students planning to take STEP must submit an application 1 (one) year in advance to BCOE Room 2101 by September 15 for fall STEP or February 15 for spring STEP. Contact the Beeghly College of Education academic advisors for minimum STEP prerequisites. It is best to take STEP one or two semesters prior to student teaching.

**DEPARTMENT OF
 EDUCATIONAL
 FOUNDATIONS,
 RESEARCH, TECHNOLOGY,
 AND LEADERSHIP**

Professors Beebe, McEwing, Vergon; Associate Professors deBlois, Eggers, McNierney, Pusch; Assistant Professors Baringer (Acting Chair), Carr; Instructor Rohrbaugh.

The Department of Educational Administration, Research, and Foundations, through its foundations courses, provides undergraduate education majors with courses that draw from a range of academic disciplines. Foundational studies attend particularly to the diverse contexts within which educational practices occur and examine how interpretation can vary with different historical, philosophical, and cultural perspectives. Undergraduate foundations courses, which include tests and measurements, are designed to help develop interpretive, normative, and critical perspectives on education, both inside and outside the schools.

Graduate courses offered by the Department appear in the Graduate School *Bulletin*.

**DEPARTMENT OF TEACHER
 EDUCATION**

Professors Bailey (Chair), Hoover, Kim, Pullman, Williams; Associate Professors Cummins, Feist-Willis, Theall; Assistant Professors Chrisman, Graham, Rees; Instructor Greene.

**EARLY CHILDHOOD
 EDUCATION**

IMPORTANT NOTICE: Some teacher education programs, course, and credit information provided below is pending completion of all formal review processes at Youngstown State University and the Ohio Department of Education. Contact the Beeghly College of Education academic advisors to be advised of any changes in information provided here regarding these teacher licensure programs in early childhood education, middle childhood education, secondary education, and special education.

In cooperation with the Department of Human Ecology, the Department of Teacher Education offers a four-year early childhood education program approved by the Ohio Department of Education. Advisement is provided by the faculty in Child and Family and Early Childhood Education, as well as the academic advisors in the College of Education. Majors in this program must complete general education requirements, professional education requirements, reading course requirements, and curriculum content requirements.

Prior to student teaching, all early childhood majors must complete a Teacher Education Center (TEC) clinical experience. A TEC, conducted in local schools, is defined as University faculty presenting theory and methods, and subsequently observing the students' teaching of lessons. This field experience requires a substantial time commitment, as students spend the entire day in schools during designated weeks. Early Childhood TEC is scheduled during the fall and spring semesters. Applications for TEC must be submitted (1) one year in advance to BCOE Room 2101 by September 15 for Fall TEC; by February 15 for Spring TEC. Contact the Beeghly College of Education academic advisors for minimum TEC prerequisites.

Early Childhood License (P-3)

The B.S. in Ed. degree requires the courses listed below to total 136 s.h. This teaching field also requires passage of the Praxis II test with a score of 166 on the Specialty Test: Education of Young Children (0021) and a 166 on the PLT (0521) in order to be eligible to student teach.

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 (49 s.h.)

The specific coursework required in general education for early childhood education majors is as follows:

Writing

ENGL 1550 Writing 1.....	3
ENGL 1551 Writing 2.....	3

Oral Communication

CMST 1545 Comm Theory & Practice.....	3
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Math

MATH 2651 Math for Early Childhood Teachers 1.....	3
MATH 2652 Math for Early Childhood Teachers 2.....	3

Natural Science

Natural Science with a lab.....	4
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Two of the following Natural Science:

ASTR 1504.....	3
BIOL 1505.....	3
CHEM 1500.....	3

GEOG 1503.....	3
GEOL 1504.....	3
ENST 1500.....	3
PHYS 1500.....	3

Societies & Institutions

HIST 2605 or 2606.....	3
GEOG 2640.....	3

One of the following Societies & Institutions:

ECON 1501.....	3
SOC 1500.....	3

Artistic & Literary

MUED 2621.....	3
ART 1541 or 1542 or 1540.....	3

Personal & Social Responsibility

PSYC 1560.....	3
PSYC 3755 Child Dev.....	3

Selected Topics

ENGL 2651 Intro to Language.....	3
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Of these, students must have the following GER Intensives

- Writing Intensive (2 courses)
- Oral Communication Intensive (2 courses)
- Critical Thinking Intensive (2 courses)

Curriculum Content Requirements in Early Childhood Education (30 s.h.)

ART 3737 Pre-K - 4 Visual Arts Ed.....	3
CHFM 2633 Early Child: Intg Dev & Educ.....	3
CHFM 3750 Parent and Prof Relationships.....	3
CHFM 3770 Wellness in Early Childhood.....	3
*CHFM 3733L Pract/Preprimary Set.....	3
ECE 2629 Teaching Young Children: Best Practices in ECE.....	3
ENGL 3703 Children's Literature.....	3
HPES 2624 PE Child in Early Childhood Settings.....	3
MUED 3722 Music Settings.....	3
*SPED 4831 Assessment in Early Childhood.....	3
*ECE 3760 Cross Curr Application.....	3

* Indicates upper-division status

Professional Education Requirements in Early Childhood Education (57 s.h.)

The specific coursework required in professional education is as follows:

FOUN 1501 Intro to Education.....	3
*FOUN 3708 Education & Society.....	3
EDTC 3771 Tech for Teaching.....	3
PSYC 3709 Psych of Education.....	3
SPED 2631 Intervention Strategies W/ Special Needs Children in Early Childhood.....	3

The specific course work required in reading is as follows:

TERG 2601 Rdg Appl in Content Areas, P-12.....	3
*TERG 3701 Phonics in Rdg Instruction.....	3
*TERG 3702 Dev Rdg Inst & Lit Strat P-9.....	3

TEC Block

†ECE 3713 Teaching Math: Early Years3
 †ECE 3715 Tchng Sci.....3
 †ECE 3780 Social Studies for Young Children.....3
 †ECE 4814 Lang Arts Methods in the Early
 Years (3-8).....3
 and
 †TERG 3703 Assess & Inst in Reading, P-93
Student Teaching Block
 †ECE 4841 Student Teaching: Early
 Childhood Education10
 †ECE 4842 Student Teaching: Early
 Childhood Education2

†Indicates upper-division status

Learning Outcomes

Content majors need to check with their area of major for other relevant learning outcomes besides those listed in the conceptual framework.

MIDDLE CHILDHOOD EDUCATION

In cooperation with various academic discipline departments in the University, the Department of Teacher Education offers programs leading to licensure in middle childhood education programs approved by the Ohio Department of Education. Advisement is provided by the academic advisors in the Beeghly College of Education, and faculty in the content areas of the concentrations. Majors in this program must complete general education requirements, professional education requirements, reading requirements, and two of four curriculum concentration areas named on the teaching license: a) language arts; b) mathematics; c) science; d) social studies. While total credit hour requirements depend on the student’s choice of concentration areas, the middle school program requires approximately 135 s.h.

Prior to student teaching, all middle childhood majors must complete an internship. This internship, conducted in local schools, is defined as University faculty presenting theory and methods, and subsequently observing the students’ teaching of lessons. This field experience requires a substantial time commitment, as students are required to spend the entire day at a school site during designated weeks of the semester. The middle childhood internship is scheduled during the fall semester only. Applications for the MCE internship must be submitted 1 (one) year in advance to BCOE Room 2101, by September 15. Contact the Beeghly College of Education academic advisors for minimum prerequisites and to discuss course rotation.

Middle Childhood License (4-9)

The B.S. in Ed. degree requires the courses listed below to total a minimum of 124 s.h. This teaching field also requires the passage of the Praxis II exam

with a score of 168 on the PLT 5-9 (0523) test and passing scores on the Specialty Tests designated for the concentration areas.

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 in Middle Childhood Education

(Subject to change upon GER completion) (46 s.h.) The specific coursework required in general education is as follows:

Writing
 ENGL 1550 Writing 13
 ENGL 1551 Writing 23

Communication
 CMST 1545 Comm Theory & Practice.....3

Math
(If math is one of the concentrations see the concentration area.)
 MATH 26233

Natural Science
(If science is one of the concentrations see the concentration area.)
 STEM 2600 Exploration in the Sciences4
 Course from Natural Sciences3
 Course from Natural Sciences3

Artistic & Literary
(If language arts is one of the concentrations see the concentration area.)
 Course from Artistic & Literary3
 Course from Artistic & Literary3

Societies & Institutions
(If social studies is one of the concentrations see the concentration area.)
 Course from Societies & Institutions.....3
 Course from Societies & Institutions.....3
 Course from Societies & Institutions.....3

Personal & Social Responsibility
 PSYC 1560 General Psychology3
 Elective from Personal & Social Responsibility3

Selected Topics
 This requirement is met by SPED 2630 listed in the Professional Education Requirements3

Of these, students must have the following GER Intensives
 – Writing Intensive (2 courses)
 – Oral Communication Intensive (2 courses)
 – Critical Thinking Intensive (2 courses)

Professional Education Requirements in Middle Childhood Education (53 s.h.)

The specific course work required in professional education is as follows:
 FOUN 1501 Intro to Education3
 †FOUN 3708 Education & Society.....3

SPED 2630 Individuals w/Except in Society	3
†TEMC 3702 Char of Early Adolescents & Implications for Curr & Instr	3
EDTC 3771 Tech for Teaching.....	3
<i>For science concentration area candidates only:</i>	
†TEMC 3707 Science/Technology/Society	3

† Indicates upper-division status

Reading Course Requirements in

Middle Childhood Education

The specific coursework required in reading is as follows:

†TERG 3710 Rdg Appl in Content Areas, Middle Years.....	3
†TERG 3701 Phonics in Reading Instruction	3
†TERG 3702 Dev Rdg Instr & Lit Strat P-9.....	3
†TERG 3703 Assessment & Inst in Reading, P-9	3

Middle Childhood Internship

†TEMC 4801 Middle School Learning Comm

Depending on the student's teaching concentrations, two or more of the following:

†TEMC 3703 Thematic Instruc & Assess Methods in Social Studies	4
†TEMC 3704 Tchng Math in the Mid Sch.....	4
†TEMC 3705 Tchng Sci in the Mid Sch	4
†TEMC 3706 Teaching of Lang Arts in the Middle School.....	4

Student Teaching

Student teaching candidates will register for two of the following student teaching courses depending on concentration areas:

†TEMC 4802C Student Teaching in Middle Childhood Science Education.....	5
†TEMC 4802E Student Teaching in Middle Language Arts Education	5
†TEMC 4802S Student Teaching in Middle Social Studies Education.....	5
†TEMC 4802M Student Teaching in Middle Mathematics Education	5

AND

†TEMC 4803 Impacting Middle School Teaching & Learning with Research and Service.....	3
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† Indicates upper-division status

Content Areas 48-70 s.h. Must choose two.

Note that the sciences and social studies concentrations include courses which completely fulfill the general education requirements in those areas; reading/language arts includes a literature requirement which fulfills a general education/humanities.) The specific coursework required in the curriculum content areas is as follows:

A. Language Arts, 24 s.h. required. (See notes in Artistic & Literary GER) A passing score of 156 on the Middle Childhood Language Arts Test (10049)

Choose one of the following 2 courses (Artistic & Literary)

ENGL 1590 Introduction to Literature	3 s.h.
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ENGL 2618 American Literature & Diversity .	3 s.h.
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Choose one of the following 3 courses (Artistic & Literary)

ENGL 2610 World Literature.....	3 s.h.
ENGL 2617 Women in Literature.....	3 s.h.
ENGL 2631 Mythology in Literature.....	3 s.h.

All of the following courses (18 s.h.):

ENGL 2651 Introduction to Language	3 s.h.
ENGL 3701 or 3702 British and American Lit I or II	3 s.h.
ENGL 3704 Lit. for Middle School Readers.....	3 s.h.
CMST 2656 Interpersonal Communication	3 s.h.
JOUR/ ENGL 2602 Media Writing	3 s.h.
ENGL 3739 Writing for Middle School Teachers.....	3 s.h.

B. Mathematics, 24 s.h. required. (See notes in Math GER) A passing score of 143 on the Middle Childhood Mathematics Test (10069).

MATH 1564 Foundations of Middle School Math 1 (Fall).....	4 s.h.
MATH 2665 Foundations of Middle School Math 2 (Spring)	4 s.h.
MATH 3767 Int Alg, Geom & Calc for Mid Sch Teachers 1 (Fall).....	4 s.h.
MATH 3768 Int Alg, Geom & Calc for Mid Sch Teachers 2 (Spring).....	4 s.h.
MATH 4869 Int Probability & Stats for Middle School Teachers	3 s.h.
MATH 4870 Mathematics Seminar for Middle School Teachers	2 s.h.
STAT 2601 Introductory Statistics <i>or</i>	3 s.h.
MATH 2624 Probability and Critical Reasoning	3 s.h.

C. Science, 28 s.h. required. (See notes in Science GER)

BIOL 1505 Biology & the Modern World (section for Education Majors).....	3 s.h.
CHEM 1500 Chemistry & Modern Living (section for Education Majors).....	3 s.h.
GEOL 1505/L Physical Geology and Lab.....	4 s.h.
PHYS 2607 Physical Science for Early and Middle Childhood Education	4 s.h.

Elective Courses (14 s.h. minimum) *The following courses also cover topics that are included on the Praxis exam. Students are encouraged to complete as many as possible.*

ASTR 1504 Descriptive Astronomy	3 s.h.
ENST 2600 Foundations of Environmental Studies	3 s.h.
ENST 2600L Foundations of Environmental Studies Lab	1 s.h.
GEOG 2630 Weather	3 s.h.
GEOL 3713 Physical Evolution of North America	4 s.h.
GEOL 1514 Life of the Geologic Past.....	3 s.h.
GEOL 2602 Introduction to Oceanography.....	3 s.h.

D. Social Studies, 33 s.h. required. A passing score of 151 on the Middle Childhood Social Studies Test (10089)

- HIST 1511 Introduction to World History 1.....3 s.h.
- HIST 1512 Introduction to World History 2.....3 s.h.
- HIST 2605 United States History 13 s.h.
- HIST 3748 History of Ohio.....3 s.h.
- LASS 4805 Integrated Social Studies Seminar.....3 s.h.

Eighteen semester hours electives: **each** discipline must be selected once; **two** discipline areas must be selected twice:

Geography

- GEOG 2650 GEOG 3715 GEOG 3717 GEOG 3719
- GEOG 3721 GEOG 3722 GEOG 3741 GEOG 3745
- GEOG 4813 GEOG 4850 GEOG 2640

Political Science

- POL 1560 American Government3 s.h.

One course from the following:

- POL 2640 POL 2660 POL 3700
- POL 3704 POL 3706 POL 3722

Economics

- ECON 2610 Principles 1: Microeconomic Theory & Policy.....3 s.h.
- ECON 2630 Principles 2: Microeconomic Theory & Policy.....3 s.h.

Sociology/Anthropology

- ANTH 1500 Introduction to Anthropology3 s.h.
- SOC 1500 Introduction to Sociology3 s.h.

SECONDARY, MULTI-AGE, AND CAREER/TECHNICAL EDUCATION

In cooperation with various academic discipline departments in the University, the Department of Teacher Education offers programs leading to licensure in many adolescent, multi-age, and career/technical teaching fields approved by the Ohio Department of Education. Advisement in these areas is provided by faculty in the academic disciplines of the teaching fields, the professional secondary education faculty in the Department of Teacher Education, and the academic advisors in the Beeghly College of Education. The College of Education assumes full responsibility for approval of matters dealing with licensure requirements (regardless of teaching field or degree involved) and for graduation requirements for the Bachelor of Science in Education degree.

Majors in these programs must complete general education requirements, professional education requirements, and teaching field requirements. The total credit hours required depend on choice of teaching field(s); students in programs with less than 124 s.h. must add electives to reach 124 s.h. for the B.S. in Ed. degree. Prior to student teaching, the majors listed below complete a SED cluster. The cluster is partially conducted in local schools, and is

defined as University faculty presenting theory and methods, and subsequently observing the students' teaching of lessons. This field experience requires a substantial time commitment. Applications for SED cluster must be submitted 1 (one) year in advance to BCOE Room 2101, by September 15 for fall and February 15 for spring.

The cluster for earth science, intergrated math-ematics, integrated science, life science, and physical science consists of TERG 3711, FOUN 3710, SED 3706, and SED 4800. For integrated language arts, the cluster contains FOUN 3710, SED 3706 and SED 4800E. Health and family and consumer science candidates take TERG 3711, FOUN 3710, and SED 3706 for the cluster. Lastly, French, Italian, and Spanish majors take TERG 3711, FOUN 3710, MULT 4824 and SED 3706. Teacher education candidates have the option of taking one content course with the cluster. Note: Some of the SED 4800 courses are only offered during a specific term. Contact the Beeghly College of Education academic advisors for minimum SED cluster prerequisites and to discuss the course rotation.

Adolescence, Multi-Age And Career/ Technical License

The B.S. in Ed. degree requires the courses listed below in addition to the courses required for the major/licensure field with a minimum to total 124 s.h. Licensure also requires passing the Ohio Praxis II Exams.

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 in Adolescent Education (45 s.h.)

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

Writing

- ENGL 1550 Writing 13
- ENGL 1551 Writing 23

Oral Communication

- CMST 1545 Comm Theory & Practice.....3

Math

See appropriate concentration sheet for math requirement.

Natural Science

- Natural Science Course with a lab.....4
- Natural Science Course3

Artistic & Literary

- Artistic & Literary Course.....3
- Artistic & Literary Course.....3

Societies & Institutions

- Societies & Institutions3
- Societies & Institutions3

Personal & Social Responsibility

PSYC 1560 General Psychology	3
Personal & Social Responsibility Course	3

Selected Topics

This requirement is met by SPED 2630 listed in Professional Education Requirements.

Two choices from GER courses either from Natural Sciences, Societies & Institutions and/or Artistic & Literary Perspectives—no more than 3 courses from one domain.

Of these, students must have the following GER Intensives

- Writing Intensive (2 courses)
- Oral Communication Intensive (1 course)
- Critical Thinking Intensive (2 courses)

GER distribution varies with the teaching discipline. Please check with your academic advisor in your major teaching field. Students are encouraged to check with their advisors, because 1) in some licensure areas, teaching field requirements may be used to meet some general education requirements, and 2) some licensure areas recommend alternatives within these general education requirements that are particularly relevant to the teaching field.

Professional Education Requirements in Secondary, Multi-Age, and Career/Technical Education

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

FOUN 1501 Introduction to Education.....	3
†FOUN 3708 Education and Society	3
†FOUN 3710 Educational Assessment.....	3
PSYC 3709 Psychology of Education.....	3
*EDTC 3771 Technologies for Teaching	3
†TERG 3710 Rdg Appl Content Area, Middle Years.3	
or	
†TERG 3711 Rdg Appl Content Area, Secondary Years 3	
†SED 3706 Principles of Teaching	
Adolescents.....	5
**MULT 4807 Teaching Across Curriculum.....	2
**MULT 4824 Methods of Teaching P-12	3
**TEMC 3707 Science/Technology/Society.....	3
**SED 4800 Reflective Teaching Methods	3
†SED 4842 Student Teaching	10
†SED 4842A Student Teaching Seminar.....	2

Note #1: Several professional education courses have field components which require the student to spend various amounts of time in local elementary, middle, and secondary schools, as well as in meetings on campus. FOUN 1501, 3708, SED 3706, and student teaching with the student teaching seminar have such requirements. Check with individual course descriptions regarding important sequence and prerequisite information.

Note #2: Professional education exception courses above listed with an asterisk (*) may have alternative or specialized courses approved by the Department

of Teacher Education for particular teaching fields. See the curriculum advisement sheets in the College of Education academic advising office and in the offices of the academic discipline and/or professional education faculty advisors.

†Indicates upper-division status

Adolescent, Multi-age, and Career/Technical Teaching Fields in Secondary Education

These teaching fields are built around a secondary education major. All prospective students majoring in these teaching areas are advised to read carefully the sections relative to requirements for admission to upper-division status, for student teaching, and for licensure which appear at the beginning of this College of Education section. In addition to the subject area teaching field requirements, all majors must complete the secondary education professional-education course sequence as specified by the Department of Teacher Education.

YSU recommends that students complete courses of study which lead to qualification in more than one teaching field and/or in teaching fields projected to be available in the job market at the time of licensure. Students should see the coordinator in Career Services for current job market information which may promote ultimate employment.

The State of Ohio adopted new teacher licensure standards effective September 1, 1998 and YSU's programs below reflect these changes.

**VISUAL ARTS (P-12)
Multi-Age License**

All of the following:

ART 1521 Foundation Drawing	4 s.h.
ART 1522 Intermediate Drawing.....	4 s.h.
ART 1501 Fund. of 2-D Design.....	3 s.h.
ART 1502 Fund of 3-D Design.....	4 s.h.
†ART 1503 Foundation Portfolio Review	
ART 3721 Expressive Drawing.....	3 s.h.
ART 2691 Intro to Digital Imaging	3 s.h.
ART 2661 Intro to Graphic Design	3 s.h.
ART 2631 Intro to Ceramic	3 s.h.
ART 2611 Intro to Sculpture	3 s.h.
ART 2671 Intro to B&W Photography	3 s.h.
ART 2650 Intro to Painting	3 s.h.
ART 2653 Watercolor	3 s.h.
ART 2615 Intro to Metals	3 s.h.
ART 1541 Sur of Art History	4 s.h.
ART 1542 Sur of Art History	3 s.h.
ART 3788 Theory of Art	3 s.h.
ART 5882, 20 th Cent. Art from 1960	3 s.h.
ART 37xx, Art history elective.....	3 s.h.

One of the following:

ART 2625 Woodblock	3 s.h.
ART 2626 Silkscreen	3 s.h.
ART 3724 Lithography	3 s.h.

All of the following Art Methods: (These courses replace SED 4800 Methods)

- ART 3737 Pre-K - 4, Visual Arts Ed3 s.h.
- ART 4837 Prof Prac/Middle School3 s.h.
- ART 4838 Prof Prac/Sec School3 s.h.
- *ART 4839 Seminar in Art Education.....1 s.h.

Professional education exception: Candidates in this major take MULT 4807 (Teaching Across Curriculum) instead of SED 3706 (Principles of Teaching Adolescents).

*All students must complete and pass this review to take additional studio classes.

*With student teaching.

Note: This licensure area has specific GER requirements. Please refer to the curriculum advisement sheet in the College of Education Academic Advisement Office.

**EARTH SCIENCE (7-12)
Adolescent License**

All of the following:

- GEOL 1505 Physical Geology 4 s.h.
- GEOL 3713 Physical Evolution in North America 4 s.h.
- GEOL 1514 Life of Geological Past 3 s.h.
- GEOL 2602 Introduction to Oceanography.....3 s.h.
- GEOL 2615 Geology & Environment 1 3 s.h.
- GEOL 5815 Geology & Environment 2 3 s.h.
- GEOG 2630 Weather 3 s.h.
- ASTR 1504 Descriptive Astronomy 3 s.h.
- ASTR 2609 Moons & Planets 3 s.h.

EARTH SCIENCE Electives selected from the following: 6 s.h.

- GEOG 3730 Global Climate 3 s.h.
- ENST 2600 Found of Environment Study..... 3 s.h.
- GEOL (any upper-division course)3 s.h.

Choose from the following:

- MATH 1548 College Business Math 13 s.h.
- AND
- MATH 1549 College Business Math 24 s.h.
- OR
- MATH 1570 Applied Calculus 14 s.h.
- OR
- MATH 1571 Calculus 1.....4 s.h.

Select 15 s.h. from the following three areas with at least 1 course in each area:

- BIOL
- CHEM
- PHYS

Professional education exception: Candidates in this major are required to take TEMC 3707 (Science/Technology/Society).

**FRENCH (P-12)
Multi-Age License**

See your advisor in the Foreign Language Department for advisement on the courses for this major.

- FRNC 1550 Elementary4 s.h.

FRNC 1500 Elementary is waived if student starts with FRNC 2600 intermediate - a FRNC 3700 or 4800 level course must be substituted

FRNC 2600 Intermediate4
FRNC 2600 Intermediate is waived if student starts with FRNC 2605 Advanced Intermediate - a FRNC 3700 or 4800 level course must be substituted

All eleven (11) courses listed below are required:
FRNC 2605 Advanced Intermediate (required for Admission to Teacher Education Program).....3 s.h.

- FRNC 2606 Intensive French Review3 s.h.
- FRNC 3710 Applied Phonetics3 s.h.
- FRNC 3715 Conversation & Comp.....3 s.h.
- FRNC 3740 Business French3 s.h.
- *FNLG 4801 Method of Foreign Lang Teaching3 s.h.
- *FNLG 4850 Sociolinguistics3 s.h.
- *FNLG 4851 Language Acquisition3 s.h.

Select one (3) of the following courses

- FRNC 3750 Civilization and Culture3 s.h.
- FRNC 3771 French Fiction3 s.h.
- FRNC 3772 French Drama3 s.h.
- FRNC 3773 French Poetry.....3 s.h.

Select one (1) of the following courses

- FRNC 4874 Advanced Writing3 s.h.
- FRNC 4885 Special Topics.....3 s.h.

Professional education exception: Candidates in this major take MULT 4824 (Methods of Teaching P-12). In addition, they do not take SED 4800 (Reflective Teaching Methods).

Studying abroad in a French-speaking country is highly recommended.

Note: Courses marked with * are taken only once when acquiring license in multiple languages.

Courses within this area must average a 2.67.

**HEALTH (P-12)
Multi-Age Licensure**

All of the following:

- HSC 2692 Human Sexuality3 s.h.
- HSC 3702 Found of Health Ed Theory & Methods (O).....3 s.h.
- HSC 3703 Health Ed for Grades Pre-K – 43 s.h.
- HSC 3704 Health Ed for Grades 4 – 6.....3 s.h.
- HSC 3705 Health Ed for Grades 7 – 12.....3 s.h.
- HSC 3731 Drug Use and Abuse3 s.h.
- HSC 3757 Health and Disease4 s.h.
- HSC 3791 Community Health or3 s.h.
- AHLT 3708 Preventative Public Health Care3 s.h.
- AHLT 3740 Pathology of Infectious Disease.....3 s.h.
- AHLT 4808 Environmental Health Concerns.....3 s.h.
- FNUT 1551 Normal Nutrition3 s.h.
- AHLT 5807 Epidemiology3 s.h.
- MATC 1501 Medical Terminology3 s.h.

Current CPR and First Aid certification required at time of graduation.

This licensure area has specific GER requirements. Please refer to the curriculum advisement sheet in the College of Education academic advising office.

Professional education exception: Candidates in this major do not take SED 4800 (Reflective Teaching Methods).

FAMILY AND CONSUMER SCIENCE (4-Adult) Career/Technical License

FNUT 1551 Normal Nutrition.....	3 s.h.
FNUT 1553 Food Science & Management Principles.....	3 s.h.
FNUT 1553L Food Science & Management Principles Lab.....	1 s.h.
MRCH 3705 Fashion Textiles.....	3 s.h.
MRCH 3730 Social Psychology of Clothing & Appearance.....	3 s.h.
MRCH 3764 Family Housing Technology.....	3 s.h.
CHFM 2633 Early Childhood: Integrating Development & Education.....	3 s.h.
CHFM 3731 Individual/Family Development.....	3 s.h.
CHFM 3750 Parent/Professional Relationships.....	3 s.h.
HMEC 1550 Human Ecology Professions.....	1 s.h.
HMEC 3780 Consumer Economics.....	3 s.h.
HMEC 4800 Teaching Family/Consumer Science.....	3 s.h.
HMEC 4890 Communicating Contemporary Issues.....	3 s.h.
HMEC 4852 Family Resource Management.....	3 s.h.
HMEC 5893 Work & Family.....	3 s.h.
BIOL 1560/L Microbiology for Health Professions and Lab.....	3 s.h.
PSYC/HSC 2692 Human Sexuality.....	3 s.h.

Professional education exception: Candidates in this major do not take SED 4800 (Reflective Teaching Methods).

INTEGRATED LANGUAGE ARTS (7-12) Adolescent License

The following five required:

ENGL 3701 British and American Literature 1.....	3 s.h.
ENGL 3702 British and American Literature 2.....	3 s.h.
ENGL 3705 Young Adult Literature.....	3 s.h.
ENGL 4881 Shakespeare and His World.....	3 s.h.
ENGL 4890 Senior Seminar.....	3 s.h.

Two of the following (American Literature):

ENGL 3770 American Lit in Historical Perspective.....	3 s.h.
ENGL 3780 American Genres.....	3 s.h.
ENGL 4862 Themes American Literature.....	3 s.h.
ENGL 4864 Selected Topics in American Literature.....	3 s.h.
ENGL 4871 The Black Exp in American Literature.....	3 s.h.

One of the following (Early British Literature):

ENGL 4860 The Medieval World.....	3 s.h.
ENGL 4882 The English Renaissance.....	3 s.h.
ENGL 4886 Restoration/18th Century Brit Lit.....	3 s.h.
ENGL 4830 Major Figures in Brit Lit.....	3 s.h.
ENGL 4831 Genres, Circles & Movements in Brit Lit.....	3 s.h.

One of the following (Later British Literature):

ENGL 4887 The Romantic Period.....	3 s.h.
ENGL 4892 19 th Century British Studies.....	3 s.h.
ENGL 4895 Early 20 th Century British Studies.....	3 s.h.
ENGL 4896 British Literature from WWII to Present.....	3 s.h.
ENGL 4830 Major Figures in British Literature.....	3 s.h.
ENGL 4831 Genres, Circles & Movements in Brit Lit.....	3 s.h.

One of the following (World/Multicultural Literature):

ENGL 2610* Introduction to World Literature.....	3 s.h.
ENGL 2617* Woman in Literature.....	3 s.h.
ENGL 2620 Introduction to African Literature.....	3 s.h.
ENGL 2631* Mythology in Literature.....	3 s.h.
ENGL 3732* Images of Women.....	3 s.h.
ENGL 3738* Selected Topics World Literature.....	3 s.h.
ENGL 3790 Selected Topics in Multicultural Stud.....	3 s.h.

Linguistics—(required)

ENGL 2651 Intro to Language.....	3 s.h.
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One of the following:

ENGL 3750 Language & Culture.....	3 s.h.
ENGL 3757 Development of the English Language.....	3 s.h.
ENGL 4850 Sociolinguistics.....	3 s.h.
ENGL 4851 Language Acquisition.....	3 s.h.
ENGL 4855 Advanced Linguistics.....	3 s.h.
ENGL 4856 TESOL Methods.....	3 s.h.
ENGL 4858 English Grammar.....	3 s.h.

Writing

ENGL 3741 Advanced Writing for Teachers.....	3 s.h.
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(SPECIAL NOTE: TERG 3711 and ENGL 3741 are taken together the semester before taking the SED cluster.)

Oral Communication

CMST 2653 Group Communication.....	3 s.h.
CMST 2656 Interpersonal Communication.....	3 s.h.
THTR 2670 Oral Interpretation.....	3 s.h.

Journalism

ENGL/JOUR 2622 News Reporting.....	3 s.h.
ENGL/JOUR 4821 Advising Student Publications.....	3 s.h.

One of the following:

ENGL 2665* Intro to Film Study	3 s.h.
ENGL 3743 Professional and Technical Communication	3 s.h.
ENGL 3765 Film Genres.....	3 s.h.
ENGL 4865 Selected Topics in Film.....	3 s.h.
TCOM 1595 Survey of Mass American Communication	3 s.h.
THTR 1590* History of Motion Pictures	3 s.h.
JOUR 3723 Edit/Design Newspapers	3 s.h.

Note: This licensure area has specific GER requirements. Please refer to the curriculum advisement sheet in the College of Education academic advising office.

*These courses satisfy the Artistic & Literary Perspectives General Requirements (GER).

INTEGRATED MATHEMATICS (7-12)

Adolescent License

All of the following:

MATH 1571 Calculus 1.....	4 s.h.
MATH 1572 Calculus 2.....	4 s.h.
MATH 2673 Calculus 3.....	4 s.h.
MATH 3715 Discrete Math	3 s.h.
MATH 3720 Linear Algebra Matrix Theory	3 s.h.
MATH 3721 Abstract Algebra	3 s.h.
STAT 3743 Probability & Statistics.....	4 s.h.
MATH 3750 History of Math.....	3 s.h.
MATH 3751 Real Analysis 1	3 s.h.
MATH 4830 Foundations of Geometry.....	3 s.h.
MATH 4896 Senior Research Project.....	2 s.h.
MATH 5832 Euclidian Transformations	3 s.h.
CSIS 2610 Program/Problem Solving.....	4 s.h.
Elective from: MATH 3705, 5822, 5828, 5835, 5845 or 5895	3 s.h.

INTEGRATED SCIENCES (7-12)

Adolescent License

All of the following:

MATH 1571 Calculus 1.....	4 s.h.
MATH 1572 Calculus 2.....	4 s.h.

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

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

1. BIOLOGY

BIOL 2601/L Principles of Biology & Lab	4 s.h.
BIOL 2602/L Principles of Biology 2 & Lab	4 s.h.

Select 14 s.h. from the following:

BIOL 3741 Animal Diversity.....	4 s.h.
BIOL 3702 Microbiology	4 s.h.
BIOL 3721 Genetics	3 s.h.
BIOL 3762 Field Botany.....	4 s.h.
BIOL 3780 Evolutionary Ecology	5 s.h.
BIOL 4890 Molecular Genetics	3 s.h.
BIOL 4890L Molecular Genetics Lab	1 s.h.
BIOL 3730 Human Physiology.....	5 s.h.

2. CHEMISTRY

All of the following:

CHEM 1515 General Chemistry 1.....	4 s.h.
CHEM 1516 General Chemistry 2.....	4 s.h.
CHEM 2604 Quantitative Analysis	5 s.h.
CHEM 3719 Organic Chemistry 1	4 s.h.
CHEM 3720 Organic Chemistry 2	4 s.h.
Any 3000 or 4000 level chemistry course.....	3 s.h.

3. PHYSICS

All of the following:

PHYS 2608 Sound.....	3 s.h.
PHYS 2610 General Physics 1.....	4 s.h.
PHYS 2610L General Physics Lab 1.....	1 s.h.
PHYS 2611 General Physics 2.....	4 s.h.
PHYS 2611L General Physics Lab 2.....	1 s.h.

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

PHYS 3701 Intermed Class Mech 1	3 s.h.
PHYS 3702 Intermed Class Mech 2	3 s.h.
PHYS 3704/3704L Modern Physics.....	4 s.h.
PHYS 3705 Thermo/Class Stat Mech.....	3 s.h.
PHYS 3705L Thermo/Class Stat Mech Lab	1 s.h.
PHYS 3722/3722L Advanced Optics Light	4 s.h.
PHYS 4805 Undergrad Research.....	3 s.h.
PHYS 5890 Physics & Astronomy for Educators	1-3 s.h.

4. EARTH/SPACE SCIENCE

All of the following:

GEOL 1505 Physical Geology.....	4 s.h.
GEOL 1514 Life of Geological Past.....	3 s.h.
GEOL 2602 Introduction to Oceanography... ..	3 s.h.
GEOG 2630 Weather	3 s.h.
ASTR 1504 Descriptive Astronomy	3 s.h.
ASTR 2609 Moon & Planets.....	3 s.h.

Select one from the following:

GEOL 3713 Physical Evolution in North America	4 s.h.
GEOL 2615 Geol in the Environment 1	3 s.h.
ENST 2600 Foundation of Environmental Studies	3 s.h.

Select one of the following:

GEOG 3703 Human Impacts on the Environment.....	3 s.h.
GEOG 3730 Global Climate	3 s.h.
GEOG 3737 Soils and Land Use.....	3 s.h.

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

a. BIOLOGY

BIOL 2601/L Principles of Biology & Lab	4 s.h.
BIOL 2602/L Principles of Biology 2 & Lab	4 s.h.

Select 5 s.h. from the following:

BIOL 3741 Animal Diversity.....	4 s.h.
BIOL 3702 Microbiology	4 s.h.
BIOL 3721 Genetics	3 s.h.
BIOL 3762 Field Botany.....	4 s.h.

BIOL 3780 Evolutionary Ecology	5 s.h.
BIOL 4890 Molecular Genetics	3 s.h.
BIOL 4890L Molecular Genetics Lab	1 s.h.
BIOL 3730 Human Physiology	5 s.h.

b. CHEMISTRY

CHEM 1515 General Chemistry 1	4 s.h.
CHEM 1516 General Chemistry 2	4 s.h.
CHEM 3719 Organic Chemistry 1	4 s.h.

Select one course from the following:

CHEM 2604 Quantitative Analysis	5 s.h.
CHEM 3720 Organic Chemistry 2	4 s.h.
CHEM 3785 Biochemistry 1	3 s.h.

c. PHYSICS

All of the following:

PHYS 2608 Sound	3 s.h.
PHYS 2610 General Physics 1	4 s.h.
PHYS 2610L General Physics Lab 1	1 s.h.
PHYS 2611 General Physics 2	4 s.h.
PHYS 2611L General Physics Lab 2	1 s.h.

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

PHYS 3701 Intermed Class Mech 1	3 s.h.
PHYS 3702 Intermed Class Mech 2	3 s.h.
PHYS 3704/L Thermo/Class Stat Mech	4 s.h.
PHYS 3705/L Modern Physics	4 s.h.
PHYS 3722/L Advanced Optics Light	4 s.h.
PHYS 4805 Undergrad Research	3 s.h.
PHYS 5890 Physics & Astronomy for Educators	1-3 s.h.

d. EARTH/SPACE SCIENCE

GEOL 1505 Physical Geology	4 s.h.
GEOL 2602 Introduction to Oceanography... ..	3 s.h.
GEOG 2630 Weather	3 s.h.
ASTR 1504 Descriptive Astronomy	3 s.h.

Select one of the following:

ENST 2600 Foundations of Environmental Study	3 s.h.
GEOL 2615 Geol in the Environment 1	3 s.h.
GEOG 3703 Human Impact on the Environment	3 s.h.
GEOG 3730 Global Climate	3 s.h.

Professional education exception: Candidates in this major are required to take TEMC 3707 (Science/Technology/Society).

INTEGRATED SOCIAL STUDIES (7-12)**Adolescent License**

All of the following:

HIST 1511 World Civilization to 1500	3 s.h.
HIST 1512 World Civilization since 1500	3 s.h.
HIST 2605 Turning Points in US 1	3 s.h.
HIST 2606 Turning Points in US 2	3 s.h.
HIST 3748 History of Ohio	3 s.h.
History Upper Division Elective	3 s.h.
History Upper Division Elective	3 s.h.
GEOG 2640 Human Geography	3 s.h.
POL 1560 American Government	3 s.h.
LASS 4805 Intr Social Science Seminar	3 s.h.
ECON 2610 Principles 1	3 s.h.

Select one of the following:

SOC 1500 Introduction to Sociology	3 s.h.
ANTH 1500 Intro to Anthropology	3 s.h.

****Four courses (12 s.h.) in two of the following disciplines total (24 s.h.):**

Political Science	
Economics	<u>ECON 2630</u>
Sociology/Anthropology	
Geography	

****One course (3 s.h.) in two remaining (not taken in the above) disciplines: (6 s.h.)**

Political Science	
Economics	<u>ECON 2630</u>
Sociology/Anthropology	
Geography	

****must include 12 s.h. of courses at upper division level. In Geography, a physical geography course may be selected.**

ITALIAN (P-12)**Multi-Age License**

ITAL 1550 Elementary	4 s.h.
ITAL 1550 Elementary is waived if student starts with 2600 Intermediate. An ITAL 3700 or 4800 level course must be substituted	
ITAL 2600 Intermediate	4 s.h.
ITAL 2600 Intermediate is waived if student starts with 2605 Advanced Intermediate. An ITAL 3700 or 4800 level course must be substituted	

All twelve (12) courses listed below are required:

ITAL 2605 Advanced Intermediate (required for Admission to Teacher Education Program)	3 s.h.
ITAL 3735 Civilization	3 s.h.
ITAL 3720 Advanced Grammar and Composition (W)	3 s.h.
ITAL 3725 Phonetics	3 s.h.
ITAL 3730 Conversation (O)	3 s.h.
ITAL 3750 Literature of the 20th Century	3 s.h.
ITAL 4800 "Risorgimento," Romantacism, and Roma (1800-1860)	3 s.h.
ITAL 4285 Viability, "Verismo," and Verga (1860-1920)	3 s.h.
ITAL 4880 Research and Writing	3 s.h.
*FNLG 4801 Methods of Foreign Lang Teaching	3 s.h.
*FNLG 4850 Sociolinguistics	3 s.h.
*FNLG 4851 Language Acquisition	3 s.h.

Professional education exception: Candidates in this major take MULT 4824 (Methods of Teaching P-12). In addition, they do not take SED 4800 (Reflective Teaching Methods).

Studying abroad in Italy is highly recommended.

Note: Courses marked with * are taken only once when acquiring licensure in multiple languages.

LIFE SCIENCES (7-12)**Adolescent License**

All of the following:

BIOL 2601/L Princ of Biology 1 & Lab	4 s.h.
BIOL 2602/L Princ of Biology 2 & Lab	4 s.h.
BIOL 3741 Animal Diversity	4 s.h.
BIOL 3702 Microbiology	4 s.h.

BIOL 3721 Genetics	3 s.h.
BIOL 3762 Field Botany	4 s.h.
BIOL 3780 Evolutionary Ecology	5 s.h.
BIOL 4890 Molecular Genetics	3 s.h.
BIOL 4890L Molecular Genetics Lab	1 s.h.
BIOL 3730 Human Physiology	5 s.h.

Choose from the following:

MATH 1548 College Business Math 1	3 s.h.
and	
MATH 1549 College Business Math 2	4 s.h.
or	
MATH 1570 Applied Calculus 1	4 s.h.
or	
MATH 1571 Calculus 1.....	4 s.h.

Professional education exception: Candidates in this major are required to take TEMC 3707 (Science/Technology/Society).

Select 15 s.h. from the following three areas with at least 1 course in each area:

- CHEMISTRY
- EARTH/SPACE SCIENCE
- PHYSICS

A course in computer science is recommended but not required.

PHYSICAL EDUCATION (P-12)

Multi-Age License

HPES 1595 Intro. & Concepts in HPES.....	2 s.h.
HPES 2605 Sports First Aid.....	3 s.h.
HPES 2628 Movement for Early Childhood..	2 s.h.
HPES 2661 Games Analysis	2 s.h.
HPES 2670 Intro. to Biomechanics	2 s.h.
HPES 2671 Princ & Analysis of Motor Dev ..	3 s.h.
HPES 3720 Kinesiology & Applied	
Anatomy	3 s.h.
HPES 4851 Hist. & Phil. of Physical	
Education/Sport.....	3 s.h.
HPES 4808 Assess Instruments & Strategies	
in Phys Ed.....	3 s.h.
HPES 4895 Adapted Physical Activity	2 s.h.
HPES 4899 Physiology of Exercise for	
Phys Ed.....	2 s.h.
HPES 4899L Physiology of Exercise for Phys	
Ed Lab	1 s.h.
HPES 3767 Teaching Behaviors in P-12 P.E....	4 s.h.
HPES 3780 Methods of Teaching Dance	2 s.h.
HPES 4876 Teaching of Elementary P.E.	3 s.h.
HPES 4878 Teaching of Middle/Secondary	
P.E.	3 s.h.
HPES 1506 Perf./Anlys. of Track & Field	1 s.h.
HPES 1567 Perf./Anlys. of Team Sports 1	2 s.h.
(soccer, team handball, hockey, football)	
HPES 1574 Perf./Anlys. of Lifetime Sports ..	1 s.h.
HPES 1575 Perf./Anlys. of Racket Sports	2 s.h.
HPES 1577 Perf./Anlys. of Aquatic	
Activities.....	1 s.h.
HPES 1579 Children's Rhythmic Movement..	1 s.h.
HPES 1589 Scientific Basis of Fitness	2 s.h.
HPES 2610 Introduction to Outdoor	
Pursuits	1 s.h.
BIOL 1545 + 1545L	4 s.h. + 1 s.h.
OR	
BIOL 1551 + 1552	4 s.h. + 4 s.h.

Professional education exception: Candidates in this major take MULT 4807 (Teaching Across Curriculum) instead of SED 3706 (Principles of Teaching Adolescents). In addition, they do not take SED 4800 (Reflective Teaching Methods).

PHYSICAL SCIENCES (7-12)

Adolescent License

All of the following:

CHEM 1515 General Chemistry 1.....	4 s.h.
CHEM 1516 General Chemistry 2.....	4 s.h.
CHEM 2604 Quantitative Analysis	5 s.h.
CHEM 3719 Organic Chemistry 1	4 s.h.
CHEM 3720 Organic Chemistry 2	4 s.h.
Any 3000 or 4000 level chemistry course.....	3 s.h.

All of the following:

PHYS 2608 Sound.....	3 s.h.
PHYS 2610 General Physics 1.....	4 s.h.
PHYS 2610L General Physics Lab 1.....	1 s.h.
PHYS 2611 General Physics 2.....	4 s.h.
PHYS 2611L General Physics Lab 2.....	1 s.h.

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

PHYS 3701 Intermed Class Mech 1	3 s.h.
PHYS 3702 Intermed Class Mech 2	3 s.h.
PHYS 3704/3704L Thermo/Class Stat Mech	
& Lab	4 s.h.
PHYS 3705/3705L Modern Physics & Lab	4 s.h.
PHYS 3722/3722L Advanced Optics Light	
& Lab	4 s.h.
PHYS 4805 Undergrad Physics Research	3 s.h.
PHYS 5890 Physics & Astronomy for	
Educators	1-3 s.h.

6 s.h. from the following:

BIOL 2601 Principles of Biology 1 & Lab	4 s.h.
BIOL 2602 Principles of Biology 2 & Lab.....	4 s.h.
GEOL 1505 Physical Geology	4 s.h.
GEOL 2602 Intro to Oceanography	3 s.h.
GEOG 2630 Weather	3 s.h.
ASTR 1504 Descriptive Astronomy	3 s.h.

All of the following mathematics courses:

_____ MATH 1571 Calculus 1.....	4 s.h.
_____ MATH 1572 Calculus 2	4 s.h.
_____ MATH 2673 Calculus 3.....	4 s.h.

Professional education exception: Candidates in this major are required to take TEMC 3707 (Science/Technology/Society).

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

SPANISH (P-12)

Multi-Age License

SPAN 1550 Elementary is waived if student starts with 2600 Intermediate - A SPAN 3700 or 4800 level course must be substituted

SPAN 1550 Elementary	4 s.h.
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SPAN 2600 Intermediate is waived if student starts with 2605 Advanced Intermediate - A SPAN 3700 or 4800 level course must be substituted

SPAN 2600 Intermediate	4 s.h.
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All eight (8) courses listed below are required

SPAN 2605 Advanced Intermediate (required for Admission to Teacher Education Program)	3 s.h.
SPAN 2655 Conversation for Proficiency 1	3 s.h.
SPAN 3724 Pronunciation.....	3 s.h.
SPAN 3735 Advanced Grammar & Composition	3 s.h.
SPAN 3755 Conversation for Proficiency 2	3 s.h.
*FNLG 4801 Methods of Foreign Lang Teaching	3 s.h.
*FNLG 4850 Sociolinguistics	3 s.h.
*FNLG 4851 Language Acquisition.....	3 s.h.

Select one (1) of the following courses

SPAN 3752 Spanish Culture and Literature 1.....	3 s.h.
SPAN 3753 Spanish Culture and Literature 2.....	3 s.h.

Select one (1) of the following courses

SPAN 3756 Spanish-American Culture & Lit 1	3 s.h.
SPAN 3757 Spanish-American Culture & Lit 2	3 s.h.

Select one (1) of the following courses

SPAN 3736 Introduction to Spanish Linguistics.....	3 s.h.
SPAN 3737 Translation and Composition	3 s.h.
SPAN 3758 Culture & Lit of Spanish-Speaking Groups in the U.S.....	3 s.h.

Select one (1) of the following courses

SPAN 5855 Topics in Spanish Lang & Linguistics.....	3 s.h.
SPAN 5870 Topics in Spanish Literature: Spain	3 s.h.
SPAN 5885 Topics in Hispanic Lit & Film	3 s.h.
SPAN 5890 Topics in Spanish Lit: Spanish-America.....	3 s.h.

Professional education exception: Candidates in this major take MULT 4824 (Methods of Teaching P-12). In addition, they do not take SED 4800 (Reflective Teaching Methods).

Studying abroad in a Spanish-speaking country is highly recommended.

Note: Courses marked with * are taken only once when acquiring license in multiple languages.

Endorsement Programs

The Department of Teacher Education offers endorsement programs in some areas. These endorsements may be added to an existing teacher license, valid for teaching the subjects or learners named. Thus, endorsements are not majors and do not stand by themselves as areas of study. Individuals who complete an endorsement area are limited to the age and grade levels listed on the teacher license. Youngstown State University offers the following undergraduate endorsement areas:

Early Childhood Generalist
Middle Childhood Generalist

Advisement is provided by the academic advisors in the College of Education. See the curriculum advisement sheets for these endorsements in the College of Education academic advising office for additional information.



