BACHELOR OF SCIENCE IN EDUCATION IN MIDDLE CHILDHOOD EDUCATION (4-9), MATHEMATICS-LANGUAGE ARTS CONCENTRATION

Dr. Megan List, Program Coordinator

OVERVIEW
In cooperation with various discipline departments in the University, the Department of Teacher Education offers a four-year middle childhood license approved by the Ohio Department of Education. The Middle Childhood License (Grades 4-9), Bachelor of Science in Education degree requires a minimum of 127 semester hours of course work (each concentration area requires a specific number of semester hours) including a semester of student teaching. Please refer to the four year plan for additional information. This teaching license requires passage of the Ohio Assessments for Educators in order to be eligible to student teach.

EMPLOYMENT OPPORTUNITIES
Graduates of the Middle Childhood Program Math and Language Arts Concentration will be qualified to teach in the grades 4-9 Math and Language Arts classroom. Additional opportunities may be available in the private sector to tutor students. It is recommended that students in this major consider adding the Middle Childhood Generalist Endorsement to increase marketability.

Professional Dispositions:
In addition to the above learning outcomes, teacher candidates are expected to display the following professional dispositions:

- Creating fairness in the classroom
- Providing an inclusive environment that is safe and conducive to learning
- Demonstrating the belief that all students can learn
- Fostering collaborative relationships to support student learning and well-being
- Exhibiting professional skills

FIELD EXPERIENCES AND STUDENT TEACHING
Students complete a number of field experiences to support the learning of content and best practices of teaching. Field experiences offer opportunities to provide varying levels of classroom support (observing, one-on-one tutoring, small group teaching, co-teaching, whole class teaching).

Preclinical Field Experiences
The preclinical experience is conducted in local schools and provides an opportunity for teacher candidates to complete an in-depth field experience prior to student teaching. This field experience requires a substantial time commitment, as teacher candidates spend the entire day in schools during designated weeks. The Middle Childhood preclinical experience is scheduled during the fall semester. Applications for the preclinical experience must be submitted to the Office of Student Field Experience one year in advance (September 1).

- TECM 3702 Teaching & Learning in Middle Schools
- TECM 4801 The Middle School Learning Community
- TECM 3704 Teaching Mathematics in the Middle School
- TECM 3706 Teaching Language Arts in the Middle School

Student Teaching
Students complete a 16 week student teaching experience. Students must pass the edTPA performance-based assessment with a minimum score of 37 during this experience.

ADVISEMENT
Advisement is provided by the academic advisors in the Beeghly College of Education. Majors in this program must complete general education requirements, subject area curriculum requirements, reading course requirements, and professional education requirements. Prior to student teaching, all middle childhood majors must complete a preclinical experience.

REQUIRED ASSESSMENTS
The Ohio Assessments for Educators (OAE) assesses the content area and professional (pedagogical) knowledge of candidates who are seeking initial Ohio educator license or adding a new licence area. The assessments are aligned with Ohio’s New Learning Standards. Teacher candidates must pass these exams prior to student teaching.

- 002 Assessment of Professional Knowledge (All MCE Candidates)
- 028 Middle Grades English Language Arts (for those with English Language Arts concentration)
- 030 Middle Grades Mathematics (for those with Mathematics concentration)
- 090 Foundations of Reading

ENDORSEMENTS
The following endorsements are available to individuals holding this teaching license and may increase marketability: K-12 TESOL Endorsement, K-12 Reading Endorsement, Middle Childhood Generalist Endorsement (enables teaching in content areas not included in current course of study).

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>S.H.</th>
</tr>
</thead>
<tbody>
<tr>
<td>METC 1545</td>
<td>Communication Foundations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2623</td>
<td>Quantitative Reasoning</td>
<td>3</td>
</tr>
<tr>
<td>OR: MATH 2652</td>
<td>Mathematics for Early Childhood Teachers 2</td>
<td>3</td>
</tr>
<tr>
<td>OR: MATH 2665</td>
<td>Foundations of Middle School Mathematics 2</td>
<td>3</td>
</tr>
</tbody>
</table>

Math 2652 is preferred math course if you are required to take Math Praxis Core

*Required courses in bold

NOTE: All courses must be completed with a minimum grade of B. Additional requirements may apply depending on the concentration. Please consult with an academic advisor for specific course recommendations.
Bachelor of Science in Education in Middle Childhood Education (4-9), Mathematics-Language Arts Concentration

General Education Knowledge Domains

Some courses are categorized in more than one knowledge domain. Courses can only be used once within the General Education model. Courses listed for GERs below are required in this program. See page 2 for other General Education recommendations.

Arts and Humanities 6
Natural Sciences (2 courses, 1 lab) 7
Social Science 6

PSYC 1560 General Psychology
Social Science GER
Social and Personal Awareness 6

General Education Elective 3

TCED 1500 Introduction to Becoming a Teacher First Year Experience Course BCOE

Mathematics Concentration

MATH 1564 Foundations of Middle School Mathematics 1 4
MATH 2665 Foundations of Middle School Mathematics 2 4
MATH 3767 Algebra/Geometry for Middle School Teachers 1 4
MATH 3768 Algebra/Geometry for Middle School Teachers 2 4
MATH 4869 Functions, Calculus, and Applications for Middle School Teachers 3

MATH 4870 Mathematics Seminar for Middle School Teachers 2
STAT 2601 Introductory Statistics 3

Language Arts Concentration

CMST 2656 Interpersonal Communication 3
ENGL 2610 World Literature (AH/SPA) 3
ENGL 2618 American Literature and Diversity (AH/SPA) 3
ENGL 2651 Introduction to Language (SS/SPA) 3
ENGL 3700 Literary Study 3
ENGL 3704 Literature for Middle School Readers 3
ENGL 3730 Teaching Language Arts 3
ENGL 3739 Writing for Middle School Teachers 3

Professional Education Curriculum

EDFN 1501 Introduction to Education 3
PSYC 3709 Psychology of Education 3
SPED 2630 Individuals with Exceptionalities in Society 1 3
EDFN 3708 Education and Society 3
TEMC 3702 Teaching & Learning in Middle Schools 1,2 3

Reading Course Requirements

TERG 2610 Reading Application in Content Areas Middle Years 3
TERG 3701 Phonics in Reading Instruction 3
TERG 3702 Developmental Reading Instruction 1 3
TERG 3703 Assessment and Instruction in Reading 2 3

Preclinical Curriculum

TEMC 4801 The Middle School Learning Community 2 3
TEMC 4804 Middle Level Instructional Design and Student Outcomes 2 3
TEMC 3704 Teaching Mathematics in the Middle School 2 3
TEMC 3706 Teaching Language Arts in the Middle School 2 3

Student Teaching Curriculum

TEMC 4802 Student Teaching: Middle Childhood 2 10
TEMC 4803 Student Teaching Seminar for Middle Childhood Education 2

Total Hours Required for the Degree = 127

1 Prerequisites for preclinical curriculum.
2 Upper division course.

BCOE Notes:

Advisement:

• It is highly recommended that all teacher candidates meet with an academic advisor every semester.
• Freshmen, athletes, and students on warning and probation are required to meet with an advisor before registration.
• At the completion of 30 SH any teacher candidate who: 1) was required to and has not passed PRAXIS Core Exam(s), or 2) holds a GPA of 2.25 or below will be referred to Central Advising for advising and career services.
• If at a later date the teacher candidate passes all required parts of the Praxis Core Exam and attains a GPA of 2.25 or higher that student may return to BCOE for advising.

Important Notes:

• Neither admission to the University nor declaration of a major related to a teaching field guarantees admission to the BCOE’s Teacher Education Programs or candidacy for a teaching license.
• Formal Admission to Teacher Education (Upper-Division) is required before teacher candidates are allowed to enroll in certain junior and senior level courses in BCOE.
• Undetermined education majors must declare a major before applying for admission to a Teacher Education Program.
• Admission to a Teacher Education Program is obtained upon satisfactory completion of the following requirements:

  _____ Minimum completion of 50 SH
  _____ Minimum 2.75 overall GPA
  _____ Meet one of the following criteria:
  _____ Overall GPA 3.4 or better, OR
  _____ ACT scores of Reading-21, English-18, Math-22, AND/OR
  _____ SAT scores of Reading-450, Writing-430, Math-520, AND/OR
  _____ Praxis CORE scores, Reading-156, Writing-162, Math-150

(Attach a copy of your CORE scores to the application)

• “B” average or better (A-C, B-B) for:
  _____ ENGL 1550 _____ ENGL 1551

If failure to meet “B” average above must also complete:

  _____ ENGL 2601 grade of “B” or better.If you receive a “C” or below you will need to retake the course.

• “B” average or better (B-B-B, A-B-C) across the following:
  _____ EDFN 1501 _____ CMST 1545
  _____ SPED 2630 _____ ENGL 2651 or MATH 1564 or HIST 2606/1511 or BIOL 1505

If student does not have a “B” average, student will be required to retake one or more of these courses until the “B” average is achieved.

• A grade of “C” or better is required in all major courses. Courses taken as “CR/NC” will not count towards the major
• Professional education and block courses may only be repeated one time.
• Minimum requirements for teaching licenses are determined by the Ohio Department of Education; if those requirements change, they become effective immediately at Youngstown State University. (YSU Undergraduate Catalog).
Upper-Division Application Process

- Upper division application and forms must be printed from the BCOE website.
- After completing a minimum of 50 SH, submit the following:
  - Upper Division application
  - Good Moral Character Statement
  - copy of BCI & FBI clearances
  - schedule an upper division interview with the BCOE Office of Student Services, room 2101, no later than:
- Upper Division Application Deadline
  - September 1—to register for Upper Division Courses for Spring
  - February 1—to register for Upper Division courses for Summer & Fall
- Each completed application is reviewed and approved by the Upper Division Admission and Retention Committee. If all requirements are met, the teacher candidate may register for Upper Division courses for the following semester. Upper Division courses are the courses designated with the "+" symbol. Applications submitted after the deadline will not be processed until the end of the respective semester.

Program Notes:

- If Math concentration is chosen, Math GER is not required. If Science concentration is chosen, Natural Science GER is fulfilled through subject area curriculum. If Language Arts concentration is chosen, Arts & Humanities GER is fulfilled through subject area curriculum. If Social Studies concentration is chosen, Social Sciences GER is fulfilled through subject area curriculum.
- Candidates will not be permitted to take the following professional education courses more than twice: EDFN 1501, EDFN 3708, PSYC 3709, SPED 2630, TERG 2601, 3701, 3702, 3703, 2610, 3711, TEMC 4802, SED 4800, ECIS 2629, ECIS 3700, all preclinical experience courses, student teaching, and student teaching seminar.
- If the program is concerned regarding teacher candidate performance in the preclinical experience, as determined by CPAST criteria, the program coordinator may require the teacher candidate to complete an additional preclinical experience prior to the student teaching experience.

Preclinical Application with Request for Graduation Evaluation

- Preclinical application is completed on TaskStream. Directions are available on the BCOE website.
- Preclinical application and graduation evaluation request must be submitted one year prior to the intended preclinical semester no later than:
  - September 1—for Fall preclinical
  - February 1—for Spring preclinical
- Preclinical candidates are screened for eligibility based on GPA and course completion.

Student Teaching:

- Prerequisites:
  - BCOE Upper Division and Senior status,
  - Overall 2.75 GPA
  - Minimum of 2.67 GPA in subject area curriculum and professional education courses with no grade less than a “C” (each computed individually).
  - Passage of OAE test(s) and ACTFL tests for foreign language.
- Instructions for completing the Student Teaching Application and Forms are available on BCOE website. The application and forms must be completed and printed from the BCOE website and submitted to the BCOE Office of Student Services no later than:
  - September 1—to Student Teach the following Spring Semester
  - February 1—to Student Teach the following Fall Semester

Graduation Process:

- Apply for graduation during the first three weeks of the semester you plan to graduate. Graduation evaluation must be completed in advance of application for graduation.

Completing a Bachelor of Science in Education without Licensure:

- Teacher candidates who choose to graduate without licensure must apply for approval in the BCOE Office of Student Services.
- Once approved, teacher candidates graduating without licensure must take TCED 4830 (3 SH) capstone in place of student teaching.

Year 1

<table>
<thead>
<tr>
<th>Fall</th>
<th>S.H.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1550</td>
<td>Writing 1</td>
</tr>
<tr>
<td>MATH 1564</td>
<td>Foundations of Middle School Mathematics 1</td>
</tr>
<tr>
<td>PSYC 1560</td>
<td>General Psychology</td>
</tr>
<tr>
<td>ENGL 2618</td>
<td>American Literature and Diversity (counts as AH or SPA Elective)</td>
</tr>
<tr>
<td>TCED 1500</td>
<td>Introduction to Becoming a Teacher First Year Experience Course BCOE</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1551</td>
<td>Writing 2</td>
</tr>
<tr>
<td>MATH 2665</td>
<td>Foundations of Middle School Mathematics 2</td>
</tr>
<tr>
<td>SPED 2630</td>
<td>Individuals with Exceptionalities in Society</td>
</tr>
<tr>
<td>EDFN 1501</td>
<td>Introduction to Education</td>
</tr>
<tr>
<td>ENGL 2610</td>
<td>World Literature (counts as AH or SPA Elective)</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
</tr>
</tbody>
</table>

Year 2

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3767</td>
<td>Algebra/Geometry for Middle School Teachers 1</td>
</tr>
<tr>
<td>CMST 1545</td>
<td>Communication Foundations</td>
</tr>
<tr>
<td>TERG 2610</td>
<td>Reading Application in Content Areas Middle Years</td>
</tr>
<tr>
<td>ENGL 2651</td>
<td>Introduction to Language (counts as SPA Elective)</td>
</tr>
<tr>
<td>Social and Personal Awareness GER</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spring</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3768</td>
<td>Algebra/Geometry for Middle School Teachers 2</td>
</tr>
<tr>
<td>ENGL 3700</td>
<td>Literary Study</td>
</tr>
<tr>
<td>CMST 2656</td>
<td>Interpersonal Communication</td>
</tr>
<tr>
<td>TERG 3701</td>
<td>Phonics in Reading Instruction</td>
</tr>
<tr>
<td>Natural Science GER</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
</tr>
</tbody>
</table>

Year 3

<table>
<thead>
<tr>
<th>Fall</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4869</td>
<td>Functions, Calculus, and Applications for Middle School Teachers</td>
</tr>
<tr>
<td>STAT 2601</td>
<td>Introductory Statistics</td>
</tr>
<tr>
<td>TERG 3702</td>
<td>Developmental Reading Instruction</td>
</tr>
<tr>
<td>ENGL 3704</td>
<td>Literature for Middle School Readers</td>
</tr>
<tr>
<td>PSYC 3709</td>
<td>Psychology of Education</td>
</tr>
<tr>
<td>Social Science GER</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Semester Hours</td>
</tr>
</tbody>
</table>
Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4870</td>
<td>Mathematics Seminar for Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3730</td>
<td>Teaching Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3739</td>
<td>Writing for Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>TEMC 3702</td>
<td>Teaching &amp; Learning in Middle Schools</td>
<td>3</td>
</tr>
<tr>
<td>TERG 3703</td>
<td>Assessment and Instruction in Reading</td>
<td>3</td>
</tr>
<tr>
<td>Natural Science/Lab GER</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Semester Hours: 19

Year 4

Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMC 4801</td>
<td>The Middle School Learning Community</td>
<td>3</td>
</tr>
<tr>
<td>TEMC 3704</td>
<td>Teaching Mathematics in the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>TEMC 3706</td>
<td>Teaching Language Arts in the Middle School</td>
<td>3</td>
</tr>
<tr>
<td>TEMC 4804</td>
<td>Middle Level Instructional Design and Student</td>
<td>3</td>
</tr>
<tr>
<td>EDFN 3708</td>
<td>Education and Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Semester Hours: 15

Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEMC 4802</td>
<td>Student Teaching: Middle Childhood</td>
<td>10</td>
</tr>
<tr>
<td>TEMC 4803</td>
<td>Student Teaching Seminar for Middle Childhood</td>
<td>2</td>
</tr>
</tbody>
</table>

Semester Hours: 12

Total Semester Hours: 128

Learning Outcomes

The following learning outcomes are based on The Ohio Standards for the Teaching Profession. These standards were developed for use as a guide for teachers as they continually reflect upon and improve their effectiveness as educators throughout all of the stages of their careers. These standards serve as an important tool for teachers as they consider their growth and development in the profession. These standards in developing and content of our teacher education programs. They are interrelated and connect in teachers’ practice.

- Teachers understand student learning and development and respect the diversity of the students they teach.
- Teachers know and understand the content area for which they have instructional responsibility.
- Teachers understand and use varied assessments to inform instruction, evaluate and ensure student learning.
- Teachers plan and deliver effective instruction that advances the learning of each individual student.
- Teachers create learning environments that promote high levels of learning and achievement for all students.
- Teachers assume responsibility for professional growth, performance and involvement as an individual and as a member of a learning community.
- Teachers collaborate and communicate with students, parents, other educators, administrators and the community to support student learning. Teachers assume responsibility for professional growth, performance and involvement as an individual and as a member of a learning community.

The learning outcomes for this program, align with the 5 Standards of the Association for Middle Level Education (AMLE):

- Middle level teacher candidates understand, use, and reflect on the major concepts, principles, theories, and research related to young adolescent development and use that knowledge in their practice. They demonstrate their ability to apply this knowledge when making curricular decisions, planning and implementing instruction, participating in middle level programs and practices, and providing healthy and effective learning environments for all young adolescents.