

# Mathematics and Science Concentrations

Middle Childhood Education (MCE)

## Grades 4-9



### PROGRAM ADMISSION INFORMATION

Students must apply to be admitted to a Middle Childhood Education (MCE) cohort—a group of students selected to experience methods courses and field experiences together. Criteria for admission to an MCE cohort include:

1. Complete EDT 190 and EDP 201 with a grade of B or higher in each course
2. Complete 30 graded credit hours or more
3. Earn a cumulative GPA of 2.75 or higher
4. Score at or above the 50th\* percentile in Reading and Math on the ACT or SAT and successfully complete a required Writing assessment in EDP 201. For 2020-2021 the required ACT/SAT scores are:

<b>ACT</b>	Reading: 21	Math: 21
<b>SAT</b>	Reading: 543	Math: 532

\*Percentile scores fluctuate and need to be enumerated \*\*Students who do not meet the requirements above may petition

Applications are due by **December 15** to be considered for Early Field Block in the following fall semester and by **May 15** to be considered for Early Field Block in the following spring semester. The EDT Cohort Application is available on the Teacher Education website on the "Admission" tab under the "Related Links" at the left.

### GUIDE TO THE GLOBAL MIAMI PLAN FOR LIBERAL EDUCATION REQUIREMENTS

Foundation Area	Hours	Course Number or Related Information
English (IA)	3	ENG 111 English Composition (or ENG 109 for 2nd language)
Creative Arts (IIA)	3	Choice - any Miami Plan Creative Arts course
Humanities (IIB)	3	EDL 204 Sociocultural Studies in Education
Social Science (IIC)	3	EDP 201 Human Development and Learning in Social and Educational Contexts
Global Perspectives (III)	6	Choice - Study Abroad or Global Courses
Biological Science (IVA)	3	Fulfilled by required courses in this major concentration (see list below)
Physical Science (IVB)	4	Fulfilled by required courses in this major concentration
Math, Technology (V)	4	MTH 151 Calculus
Intercultural Perspectives	3	Choice (Recommended: ATH 185, LAS 260, ENG 254, IDS 159 or WGS 201)
Advanced Writing	3	Choice (consider EDT 284 - Writing for Educators)
Thematic Sequence	9	Choice (consider MTH2, GLG1, or GLG2)
Senior Capstone	3	MTH 407 Mathematical Structures Through Inquiry (spring only)
Experiential Learning	0	Student Teaching (EDT 419)

#### Choose two of the following biological science courses

BIO 121	3	BIO 176	3	BIO 101	3	BIO/MBI 116	4
BIO 131	3	BIO 191	4	BIO 161	4	MBI 121	3
BIO 155	3	MBI 111	3	BIO/MBI 115	4	BIO 171	4

**Science Elective courses (This elective cannot also fulfill another requirement in the science core)**

Any BIO/CHM/GLG/MBI/PHY course 100-299 GEO 121, 211, 221, or 275

#### Physical Science courses (choose one from each list)

Choose one: EDT 181, CHM 111/111L, CHM 131, CHM 141/144, PHY 161 or PHY 191

Choose one: EDT 182, GLG 111/115L, GLG 121/115L, GLG 141/115L



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## YEAR ONE

The Middle Childhood Generalist Endorsement is an optional add-on that allows a teacher to teach grades 4-5-6 in one or two additional content areas not on the original teaching license. If you are interested in the MCE Endorsement, let your advisor know as early as possible.

Fall Semester	Hours
EDT 181 or alternative	4
EDT 190 Introduction to Education	3
MTH 151 Calculus I (check placement score)	5
ENG 111 Composition and Rhetoric	3
Miami Plan Global Perspectives	3
<b>Total</b>	<b>15</b>

Spring Semester	Hours
EDT 182 Physical Science	4
EDP 201 Human Dev. and Learning in Social/Ed Contexts	3
MTH 217 ( <b>spring only</b> )	4
Miami Plan Creative Arts	3
Elective	3
<b>Total</b>	<b>17</b>

## YEAR TWO

You will be assigned to Early Field Block in either the fall or spring semester. Prerequisites to Early Field Block are admission to the MCE cohort and a 2.75 cumulative GPA. Block (**bolded**) courses must be taken together. Students who do not meet these requirements may petition. Classes outside the block should be scheduled after 12:00 PM.

Fall Semester	Hours
<b>EDT 252M</b> Early Field Experience for MCE	3
<b>EDT 246M</b> Foundations of Reading, Language & Literacy	3
<b>EDL 318M</b> Teacher Leadership in Middle Childhood	3
MTH 218 ( <b>fall only; MTH 151 prerequisite</b> )	4
Biological Science choice (see other side for options)	3-4
<b>Total</b>	<b>16-17</b>

Spring Semester	Hours
EDL 204 Sociocultural Studies in Education	3
EDP 256 Psychology of the Exceptional Learner	3
STA 301 or STA 261	3-4
Advanced Writing (EDT 284 recommended)	3
Biological Science choice (see other side for options)	3
<b>Total</b>	<b>15-16</b>

## YEAR THREE

Prerequisites for MCE Content Block are completion of Early Field Block (EDT 246M, EDT 252M, and EDL 318M) with a grade of C or higher in each course, completion of at least 3 content courses in each concentration area with a GPA of 2.5 in each concentration area, completion of 64 total graded credit hours or more, and a cumulative GPA of 2.75 or higher. Students who do not meet these requirements may petition. All block (**bolded**) courses must be taken together, and additional courses taken outside the block must be scheduled after 4 PM.

Fall Semester	Hours
<b>EDT 429M</b> Methods for Middle Childhood Mathematics	3
<b>EDT 441</b> Middle Childhood Science	3
<b>EDT 421M</b> Classroom Management	3
<b>EDP 301M</b> Assessment and Evaluation in Education	3
<b>EDT 346M</b> Reading Instruction in Middle Childhood	3
<b>Total</b>	<b>15</b>

Spring Semester	Hours
Thematic Sequence	3
PHY 215 Physics by Inquiry (or EDT 415 in fall)	3
EDT 265 Mathematics: History and Technology	3
EDT 442M Phonics & Reading Improvement in MCE	3
EDT 448M Reading Practicum for Middle Childhood	3
<b>Total</b>	<b>15</b>

## YEAR FOUR

Prerequisites for Student Teaching are completion of the MCE Content Block with a grade of C or higher in each course, completion of 96 total graded credit hours or more, a cumulative GPA of 2.75 or higher, and completion of the OAE content test for each concentration area. Students who do not meet these requirements may petition. Students can student teach in either the fall or spring semester.

Fall Semester	Hours
<b>Student Teaching</b>	
EDT 419M	15
<b>Total</b>	<b>15</b>

Spring Semester	Hours
Science Elective (see other side for options)	3-4
MTH 407 (Capstone) (spring only)	3
Intercultural Perspectives	3
Miami Plan Global Perspectives	3
Thematic Sequence/Electives	3
<b>Total</b>	<b>15-16</b>

**Note: There is a minimum of 124 hours required to graduate.**

**For advising questions, please contact your assigned academic advisor or Cathy Moore, [moorecr3@miamioh.edu](mailto:moorecr3@miamioh.edu).**