

**Columbus State Community College – Associate of Science (AS) Degree,  
Middle Childhood Math and Science Education Bachelor’s Degree Transfer Major  
Otterbein University – Bachelor of Science in Education (BSE) Degree,  
Major: Middle Childhood Education – Mathematics & Science  
2+2 Sample Plan of Study**

**Freshman Year (CSCC)**

Autumn Semester		Spring Semester	
ENGL 1100 Composition I [INST 1500, WI]	3	MATH 1149 Trigonometry [MATH 1250]**	4
MATH 1146 <b>or</b> 1148 College Algebra**	5/4	Intermediate Composition [ENGL 1192, WI, DS]*	3
PSY 1100 Intro to Psychology	3	CHEM 1200 Intro to General and Organic Chemistry [CHEM 1100/1110, DS]	5
GEOL 1121 Physical Geology [ESCI 1010]	4	EDUC 2210 Intro to Education [EDUC 1600]	3
COLS 1100 First Year Experience Seminar	1		
Total hours	15/16	Total hours	15

**Sophomore Year (CSCC)**

Autumn Semester		Spring Semester	
ASTR 1161 <b>or</b> ASTR 1162 [INST 2403] (choose one)	3	BIO 1111 Intro to Biology [BIO 1000, DS]	4
PSY 2200 Educational Psychology [EDUC 2000]	3	PHIL 1130 Ethics [PHIL 1300/INST 2200]	3
Social & Behavioral Science (not PSY)*	3	HIST 1181 <b>or</b> 1182 [INST 2800] (choose one)	3
BIO 1127 Intro to Environmental Science [ESCI 1001]	4	PSY 2245 Children with Exceptionalities [EDUC 2520]	3
PSY 2261 Child Development	3	HUM 1160 <b>or</b> THEA 1100 [INST 2600] (choose one)*	3
Total hours	16	Total Hours	16

\*List of courses that meet this requirement can be found after notes Courses number in [brackets] is the Otterbein equivalent course.  
WI=Writing Intensive; three are required for an Otterbein degree DS=Disciplinary Skills- 8-9 hours required for an Otterbein degree.

**Junior Year (Otterbein)**

Autumn Semester		Spring Semester	
EDUC 2100 Educational Tech.: Adolescence	3	MATH 1700 Calculus I	4
EDUC 1710 Phonics & Language Study: MCHD	3	EDUC 3410 Middle Childhood Methods I	3
FYS First Yr. Sem. <b>or</b> TYS Transfer Yr. Sem.	2/3	EDUC 3850 Using Literature Across Disciplines in the Middle Grades (WI)	3
LFW Lifestyle Fitness & Wellness Course	1	PHYS 1000 Introduction to Physical Science	4
MATH 1210 Nature of Mathematics <b>or</b> MATH 1500 Intro to Math Thought	3	INST 2011 Equity Literacy in Education <b>or</b> EDUC 3600 Multicultural Education	3
Total hours	12/13	Total hours	17

**Senior Year (Otterbein)**

Autumn Semester		Spring Semester	
EDUC 3420 Middle Childhood Methods II	3	EDUC 3630 Adolescent Literature	3
EDUC 3440 Middle Grades: Math Methods	3	SYE Senior Year Experience	2
EDUC 3450 Middle Grades: Science Methods	3	EDUC 3800 Literacies in the Content Area	3
MATH 2150 Math for MCHD: Numbers & Variables	3	MATH 2170 Math for MCHD: Measurement & Geometry	3
		INST 3000 Integrative Seminar	3
Total hours	12	Total hours	14

**Fifth Year (Otterbein)**

Autumn Semester	
EDUC 4810 Student Teaching: Middle Childhood	10
EDUC 4820 Student Teaching Seminar: MCHD	2
Total hours	12

- **CSCC Associate of Science (AS) Degree:** This 2+2 Sample Plan of Study was created with the assumption that students would complete the Associate of Science Middle Childhood Math and Science Education Bachelor's Degree Transfer Major before transferring into the stated bachelor's degree. Completing the general Associate of Science degree is also an option and this document can still be used for degree planning. If you have questions, contact a Columbus State Arts and Sciences Academic Advisor and an advisor at Otterbein University
- **\*\*Middle Childhood Math and Science Education Major:** Student must complete the following courses to graduate with this major: PSY 1100, PSY 2200, EDUC 2210, PSY 2261, and PSY 2245. Students who complete **MATH 1146/1148 AND 1149** at Columbus State will be given credit for MATH 1250 at Otterbein. If a student completes only MATH 1149, they will be issued special credit. If a student completes MATH 1150: Pre-Calculus, the student will receive credit for MATH 1250 at Otterbein. If a student places into MATH 1151: Calculus I, they may complete that course at Columbus State for MATH 1700: Calculus I credit at Otterbein (the highest math course required for this plan of study). Students must meet a set placement score to begin with MATH 1148. If students have questions regarding math credit transfer, please consult your Columbus State and Otterbein academic advisors.
- At Otterbein, at least 36 credit hours of coursework must be taken in Otterbein classes. Of these hours: at least 9 credit hours must be taken in each of a student's majors at the 3000 level or above, at least 5 credit hours (any level) must be taken in each minor, and at least one INST 2XXX thread course, INST 3XXX, and an SYE course must be taken at 2/2020 Otterbein. Otterbein requires 120 credit hours to complete the bachelor's degree with an overall GPA of 2.0 or higher.
- Students must complete 8-9 hours of disciplinary skills development course work beyond their college mathematics and health and wellness (LFW course) courses. Courses to reach 8-9 hours can be chosen from: language proficiency, oral and written communication, and experimental design/laboratory skills. BIO 1111 can be used to meet one of the disciplinary skills courses, but the credit must be entered manually. Students should consult with their Otterbein academic advisor about BIO 1111 and for further options to complete this requirement at Otterbein.
- Students must earn a C or higher in all prerequisite course work for the Middle Childhood Education major at Otterbein. Students are encouraged to meet with an Otterbein advisor regarding their major course work and general education course work meant to satisfy Otterbein's general education or INST requirement.
- **Admission to Teacher Education at Otterbein:** Beyond admission to Otterbein University, there are specific requirements to be admitted to the teacher education program as noted below. Applications are reviewed every term. Files are only complete after candidates have completed a field-based course (e.g., EDUC 2600/2555, 3850, 2000/2200, 3700, 3410). Candidate applications must be reviewed and approved prior to the candidate taking the field-based courses that immediately precede student teaching (e.g., 3420, 3705, 3200 or 3250). Applicants will be notified of the committee's action within two weeks of the decision. They may reapply if they do not qualify on the first application. Students need to contact the department for application deadlines:
  - 2.5 overall GPA for courses that appear on the Otterbein transcript
  - Passing standardized test scores in mathematics and reading are required. Test options and required scores are listed in the table below. Scores must be sent to the Education Department at Otterbein University. Students who fail the same Praxis Core Academic Skills for Educators test three times are no longer eligible for program admission.

Test Taken	ACT Math	SAT Math	Praxis Core Math	Accuplacer Next-Generation Quantitative Reasoning, Algebra, & Statistics (QAS)	ACT Reading	SAT Reading	Praxis Core Reading	Accuplacer Next-Generation Reading
Score Needed	17	430	141	246	17	420	159	256

- Post-evaluation 2.5 overall GPA from all institutions and post-evaluation 2.75 GPA in teaching content area(s)
- AYA and Multiage candidates must complete a minimum of 9 semester hours in their teaching area. Middle Childhood candidates must complete at least 9 semester hours in their teaching areas; at least one course in one of the concentration areas is part of the 9 hours.
- Positive recommendations from persons listed below. These recommendations provide evidence of effective interpersonal relations, motivation, critical dispositions, and content knowledge for the field of teaching:
  - an instructor of a field-based course as indicated above and/or the supervisor and the cooperating teacher of said field experience

- A member of the Otterbein faculty or staff who can assess the student's critical dispositions. [Please use the Department recommendation form, which is the responsibility of the student to get, give to the individual who is writing the recommendation, and return or make sure the form is returned to the Education Department.]
- The chairperson of the teaching area department (for AYA or Multi-Age)
- Transfer (and post-baccalaureate) students who have completed at least 75% of their content area requirements with a content GPA of 2.75 or higher do not need approval of the content area department and may apply for admission prior to completing 9 content areas at Otterbein
- Proficiency in written and oral communication as evidenced by performance in equivalent course work- a "C" or higher in ENGL 1100, EDUC 2210, and PSY 2200 at CSCC. Students must also earn field ratings of 3 or higher.
- At the discretion of the Teacher Education Committee, data collected and reported in all college-level courses; and dispositions in courses, field experiences, and on-campus interactions with university faculty, staff, and students may also be considered in the decision to admit a student to teacher education. Reports of academic misconduct, counseling reports, or other informal documentation (e.g., email from a supervisor) that suggests low level performance in courses and schools will be considered with the other documentation. This list is not inclusive.

*Specific questions from students regarding admission to Teacher Education at Otterbein should be directed to the Otterbein University Education Department directly at 614-823-1214.*

### **Suggested Courses to Complete for Otterbein's General Education Requirements and Requirements for the Associate of Arts Degree at Columbus State**

#### **Intermediate Composition [ENGL 1192, WI, DS]**

*Choose one:*

ENGL 2367	Composition II	ENGL 2767	Composition II: Writing About Science & Technology
ENGL 2567	Composition II: Gender & Identity		
ENGL 2667	Composition II: Working Class Identity		

#### **Social and Behavioral Science**

*For the AS degree, students must complete two Social and Behavioral Science courses from two of the three categories. PSY 1100 is required, so the second Social and Behavioral Science course must be chosen from one of these two categories:*

#### **Organizations and Politics**

ECON 2201	Principles of Macroeconomics [ECON 2200]
POLS 1100	Intro to American Government [POLS 1000]
POLS 1200	Comparative Politics [POLS 2270]
SOC 1101	Intro to Sociology [SOCL 1000]

#### **Human, Natural and Economic Resources**

GEOG 2400	Economic and Social Geography [INST 2000]
GEOG 2750	World Regional Geography [GEOG 1000]
ECON 2200	Principles of Microeconomics [ECON 2100]
POLS 1300	International Relations [POLS 1300]