

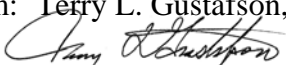


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August 16, 2011

To: W. Randy Smith, Vice Provost, Office of Academic Affairs
From: Terry L. Gustafson, Special Assistant to the Executive Dean for Semester Conversion
Re:  Arts and Sciences Interdisciplinary Program Proposal for Middle Childhood Education

Arts and Sciences is pleased to submit the Middle Childhood Education major program to the Office of Academic Affairs for conversion from quarters to semesters. The program has been approved by the faculty members and director of the originating unit, and reviewed and approved by a subcommittee of the ASC Committee on Curriculum and Instruction (CCI), and the full CCI. The vote for approval of the program at the full CCI was unanimous.

Program Name	Academic Plan Code	Conversion Designation	CCI Approval	Last Revision
Middle Childhood Education BA	MIDCHIL-BA	Converted	8/1/2011	Prior to 2006

Arts and Sciences General Education (GE) Program: The GE program for untagged B.A. and B.S. degrees in Arts and Sciences was approved by the Council on Academic Affairs on May 26, 2010, after receiving approval from the Arts and Sciences Faculty Senate. All the programs presented here follow the approved GE program.

College of Arts and Sciences Transition Policy: The College of Arts and Sciences is committed to the principles outlined in the university's Pledge to Undergraduate Students. Each unit has a plan on how best to assist its majors and minors through the transition. And the Arts and Sciences Academic Advising Services will advise students on how to transition their GE program. Dual advising is the existing process used in Arts and Sciences and will continue under semesters.

Status: PENDING

PROGRAM REQUEST
Middle Childhood Education

Last Updated: Andereck, Claude David
07/25/2011

Fiscal Unit/Academic Org	Arts & Sciences Administration - D4305
Administering College/Academic Group	Arts And Sciences
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Middle Childhood Education
Proposed Program/Plan Name	Middle Childhood Education
Program/Plan Code Abbreviation	MIDCHIL-BA
Current Degree Title	Bachelor of Arts

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		79	52.7	54	1.3
Required credit hours offered by the unit	Minimum				
	Maximum				
Required credit hours offered outside of the unit	Minimum				
	Maximum				
Required prerequisite credit hours not included above	Minimum	50	33.3	34	0.7
	Maximum	55	36.7	39	2.3

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals

- MCE majors learn content in their concentrations, learn to think critically and creatively like writers, researchers and scientists, understand how humans learn in diverse environments, and to teach effectively with research-based inquiry approaches.

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? Yes

Summarize how the program's current quarter-based assessment practices will be modified, if necessary, to fit the semester calendar.

Embedded assessments will continue to be given in semester equivalent courses and other assessments will be unchanged.

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Program Specialization/Sub-Plan Name	Reading and Language Arts (Existing)
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Status: PENDING

PROGRAM REQUEST
Middle Childhood Education

Last Updated: Andereck, Claude David
07/25/2011

- Program Specialization/Sub-Plan Goals** • See common MCE goals.
- Program Specialization/Sub-Plan Name** Science (Existing)
- Program Specialization/Sub-Plan Goals** • See common MCE goals.
- Program Specialization/Sub-Plan Name** Mathematics (Existing)
- Program Specialization/Sub-Plan Goals** • See common MCE goals.
- Program Specialization/Sub-Plan Name** Social Studies (Existing)
- Program Specialization/Sub-Plan Goals** • See common MCE goals.

Pre-Major

Does this Program have a Pre-Major? Yes
See pre-MCE Application for Admission in submission.

Attachments

- MCE submittal_R1.pdf: Middle Childhood Education Program
(Program Proposal. Owner: Patton, Bruce Riley)

Comments

- This proposal should be ad-hoc approved to Dean David Andereck. VLW 7-25-11 *(by Williams, Valarie Lucille on 07/25/2011 01:29 PM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Patton, Bruce Riley	07/14/2011 04:26 PM	Submitted for Approval
Approved	Patton, Bruce Riley	07/23/2011 07:07 PM	Unit Approval
Approved	Williams, Valarie Lucille	07/25/2011 01:29 PM	College Approval
Pending Approval	Nolen, Dawn Jenkins, Mary Ellen Bigler Meyers, Catherine Anne Vankeerbergen, Bernadette Chantal Hanlin, Deborah Kay	07/25/2011 01:29 PM	ASCCAO Approval
Approved	Andereck, Claude David	07/25/2011 03:20 PM	Ad-Hoc Approval



Department of Physics

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July 14, 2011

To: Office of Academic Affairs
Re: Semester Conversion in Middle Childhood Education

The Middle Childhood Education Program (MCE) in the College of Arts and Sciences presents the straight conversion of its major from quarters to semesters. Middle Childhood Education is currently housed within the Division of Natural and Mathematical Sciences in the College of Arts and Sciences. MCE administers a degree in Middle Childhood Education which contains three areas of concentration (AOC): Education and two content areas, chosen from Reading/Language Arts, Social Studies, Mathematics, and Science.

The Interdisciplinary Middle Childhood Program in the College of Arts and Sciences has co-existed with the middle childhood program in the College of Education and Human Ecology for a number of years. While both meet the state licensure requirements, the MCE program in the College of Arts and Sciences reflects a stronger focus on content areas in arts and sciences. The program attracts a diverse mix of students from entering first year students, transferring students, honors majors, and students re-deciding from majors in other areas. These students typically have a strong interest in arts and science content, which research shows is a strong factor in a confident and effective teacher. The program has an excellent record for preparing teachers for outstanding programs like Project Aspire, Teach for America, and the OSU M.Ed., especially in the underrepresented areas of the STEM disciplines.

The MCE program in Arts and Sciences was developed in close collaboration with the College of Education and Human Ecology to satisfy the same state licensure requirements for teaching in grades 4-9 in Ohio. Our MCE semester conversion process has been greatly facilitated by the resources and assistance provided in connection with the new MCE semester program in the College of Education and Human Ecology provided by Rebecca Kantor, Director, School of Teaching and Learning and Jessica Mercerhill, Program Director of Curriculum Reform. We build on their already approved middle childhood program for our semester conversion.

A straight conversion is proposed with semester courses of equivalent content taking the place of their quarter counterparts. For mapping of the content courses in the different departments, the Advisory Committee has utilized both approved and proposed semester conversion plans, semester transition coordinators, and faculty in various departments. In almost all cases a straight conversion with the same content could be identified. At present the fate of some quarter courses remains unclear, but in these cases alternative recommended semester courses are available. In the case of the mathematics component, a detailed flowchart of the appropriate recommended math courses has been provided, based on incoming math placement level and intended areas of concentration.

Although the Advisory Committee and other stakeholders felt this proposal represents as direct a conversion of the program as is presently possible, it was thought that after semester course offerings have stabilized for a year or two, it would be appropriate to review the availability of offerings and to adjust recommended courses in the program for the various areas of concentration. This would make it possible to take into account the changing focus of teaching in some departments, state licensure requirements with the new state and national core standards, recommendations from education and content faculty, and student input from focus groups and feedback from majors on surveys and to the advising office to further strengthen the MCE program.

Sincerely,

A handwritten signature in cursive script that reads "Bruce R. Patton".

Bruce R. Patton
Professor of Physics
Director, Interdisciplinary Middle Childhood Education Program
The Ohio State University

Program Rationale
Interdisciplinary Middle Childhood Education MajorProgram Goals and Objectives

Under the new State of Ohio Licensure requirements for middle school teachers specialization is required in two of the four subject areas of reading and language arts, social studies, mathematics, and science. The Interdisciplinary Middle Childhood Major Program is designed to provide students with a strong preparation in the two chosen Areas of Concentration, along with a Concentration in education. Students have ample opportunity to experience, learn and reflect on the appropriate pedagogy used in teaching the content they are studying. In particular, students should

- Know the subject matter in their specializations beyond the introductory level or beyond the level they will teach, since content knowledge is one of the best predictors of an effective teacher
- Understand and be able to implement effective teaching/learning environments for their chosen areas of concentration
- Learn to enjoy investigating their subjects of interest, develop confidence in their own judgment, and communicate ideas easily and effectively with others

The basic purpose of the Middle Childhood Education program is to produce outstanding teachers for the important middle school years who are creative critical thinkers, experienced in research-based methods of active engagement learning which produce the best student gains and excitement about learning. The goals and design are especially suited to redressing deficiencies in the number and training of teachers entering STEM areas. In time, as these MCE graduates enter the teaching profession in Ohio they will produce better prepared students in middle and high schools and eventually lead to better prepared students entering Ohio State. As such, the program goals are very much in concert with the overall university mission.

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved (below)
Middle Childhood Education Core Prerequisites							
	PSYCH 1100	Introduction to Psychology	3	PSYCH 100	5	Same content	1A
Placement Level 5	MATH 1075	Pre-College Mathematics 2	4	MATH 104	5	Enhanced content	1A
	MATH 1125	Concept Math for Elementary Teachers 1	5	MATH 105 + part 106	5	Enhanced content	2B
Placement Level 3 or 4	MATH 1125	Concept Math for Elementary Teachers 1	5	MATH 105 + part 106	5	Enhanced content	2B
Placement Level 2	MATH 1150	Pre-Calculus	5	MATH 148 + 150	5	Enhanced content	1B
	MATH 1165	Math - Middle Childhood Teachers 1	5	MATH 108 + part 110	5	Enhanced content	3B
Placement Level 1	MATH 1165	Math - Middle Childhood Teachers 1	5	MATH 108 + part 110	5	Enhanced content	3B
	Physics 1106	Physics by Inquiry for Teachers 1	5	Physics 106 + part 107	5	Enhanced content	3B
	Physics 1107	Physics by Inquiry for Teachers 2	5	Physics 108 + part 107	5	Enhanced content	3B

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved (below)
Education Concentration							
	EDUPL 2309	Pysch Perspectives on Ed	3	EDUPL 309.07	5	Same content	2B
	EDUPL 3206	School and Society	3	EDUPL 306.07	5	Same content	3B
	EDUTL 5468	Reading Foundations	3	EDUTL 668.07	4	Same content	4C
	EDUTL 5469	Understanding Phonics	3	EDUTL 669.07	5	Same content	4C
	EDUPL 5401, or PSYCH 2551	Adolescent Development/Learning Psychology of Adolescence	3	EDUPL 607.07 or PSYCH 551	3-5	Same content	3C
Reading/Language Arts Concentration: Prerequisites							
	ENGL 2367	US Exper: Lang	3	ENGL 367	5	Same content	2B
	ENGL 2263, COMPTST 3607, WGSS 3317	Arts	3	ENGL 263, COMPTST 358, WGSS 317	5	Same content	1B
	AAAS 2251, CLASSICS 2220, ENGL 4583, COMPSTD 2101, 2301, 3606, RUSSIAN 2250	World Literature	3	AAAS 251, CLASSICS 222, ENGL 583, COMPSTD 201, 273, 306, RUSSIAN 250	5	Same content	1A-B
	EDUTL 5101 COMM 1110, 2367	Oral Communication	3	EDUTL 633 COMM 321, 367	5	Same content	1B
Reading/Language Arts Concentration: Additional Required Courses							
	EDUTL 4189	R/LA Field Experience	3	EDUTL 489.07	5	Same content	4C
	EDUTL 2368	Intro Childs Lit	3	EDUTL 467	3		2B
	EDUTL 3356	Adolescent Lit	3	EDUTL 656	3		2B
	ENGL 2271, 4570, LING 2000	Language Study	3	ENGL 271, 570, LING 201	5	Same content	1A
	ENGL 2900, 2910,4550, 4551,4552,4553	American Literature	3	ENGL 290, 291, 550, 551,552,553	5	Same content	1A-1C

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved
	ENGL 4000 or above	American or British Literature	3	ENGL 500 or above	5	Same content	3C
		World Lit completed in GE					
		Media Studies completed in GE					
Social Studies Concentration: Prerequisites							
	HIST 1151, 1152	American Civil to/after 1877	3	HIST 151, 152	5	Same content	1A
	HIST 1681, 1682	World History to/after 1500	3	HIST 181, 182	5	Same content	1A
	ECON 2001	Principles of Micro-economics	3	ECON 200	5	Same content	1A
	POLSCI 1200, 1201, 1165, or 2400	Intro to Politics/Pol Ther/Comp Pol	3	POLSCI 100, 101, 165, or 210	5	Same content	1A
Social Studies Concentration: Additional Required Courses							
	EDUTL 4189	R/LA Field Experience	3	EDUTL 489.06	5	Same content	4C
	EDUTL 2368	Intro Childs Lit	3	EDUTL 467	3		2B
	ECON 2002	Principles of Macro-economics	3	ECON 201	5	Same content	1A
	GEOG 2750 or 2400	Geography/Econ & Social	3	GEOG 200 or 240	5	Same content	1A
	HIST 2800 or other 2000 level	Intro History for Majors	3	HIST 398	5	Same content	4C
	ANTH 2201, 2202, 4597, GEOG 3701, HIST 2700, INTSTDS 3850, LING 2603, POLSCI 3220, RURLSOC 2378	Social Science Diversity	3	ANTH 201, 202, 597.01, GEOG 450, HIST 366.01 INTSTDS 356, LING 375, POLSCI 541, RURLSOC 378	5	Same content	2B-2C

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved (below)
	ANTH 3553, 3554, 5602, 5630, ECON 4560, GEOG 3750, 3600, 3752, 5501, 5502, 5602, 5752, 5802, POLSCI 3420, 4135, 4140, 4170, 4218, 4240, 4241, 4300, 4327, PSYC 2375, SOC 2202, 2320, 2380, 3430, 3435, 3463, 3467, SPHRNG 3310, WGSS 2340, 2350, 3505, 4524, 5623	Social Science Elective	3	ANTH 553.01, 553.02, 601.04, 630, ECON 556, GEOG 400, 460, 505, 513, 608, 635, 650, 652, 660, POLSCI 504, 512, 520, 533, 537, 540, 546, 550, 571, PSYC 375, SOC 202, 320, 380, 382, 430, 435, 463, 467, SPHRNG 310, WGSS 340, 350, 505, 524, 623	5	Same content	4C

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved (below)
Mathematics Concentration: Prerequisites							
	STAT 1450	Intro to Practical Statistics	3	STAT 145	5	Same content	1A
Math Placement							
Placement Level 1	MATH 1165	Math - Middle Childhood Teachers 1	5	MATH 108 + part 110	5	Enhanced content	3B
Placement Level 2	MATH 1150	Pre-Calculus	5	MATH 148 + 150	5	Enhanced content	1B
	MATH 1165	Math - Middle Childhood Teachers 1	5	MATH 108 + part 110	5	Enhanced content	3B
Placement Level 3	MATH 1148	College Algebra	4	MATH 148 + part 150	5	Same content	1B
	MATH 1149	Trigonometry	3	MATH 148 + part 150	5	Same content	1B
	MATH 1165	Math - Middle Childhood Teachers 1	5	MATH 108 + part 110	5	Enhanced content	3B
All Levels	MATH 1166	Math - Middle Childhood Teachers 2	5	MATH 109 + part 110	5	Enhanced content	3B
	CSE 1111 or 1223	Intro Computer Problem Solving/Programming	3	CSE 200 or 201	4-5	Same content	2B
Mathematics Concentration: Additional Required Courses							
	EDUTL 4189	Math Field Experience	3	EDUTL 489.01	5	Same content	4C
	MATH 2167	Calculus - Mid Childhood Teachers	3	MATH 111	5	Same content	3C
	MATH 2168	Hist of Math Mid Childhood Teachrs	3	MATH 212	5	Same content	3C

Course Listing and Curriculum Map for the Middle Childhood Education Major

Requirements	Semester Course Number	Course Title	Semester Units	Quarter Equivalent Course Number	Quarter Credits	Notes	Relevant Learning Goals Achieved
Science Concentration: Prerequisites							
	BIO 1113	Energy Transfer & Development	4	BIO 113	5	Same content	2B
	BIO 1114	Form, Function & Ecology	4	BIO 114	5	Same content	2B
	EARTHSCI 1121	Dynamic Earth	4	EARTHSCI 121	5	Enhanced content	2B
	EARTHSCI 1122, 2203, 2210	Earth through Time	3-4	EARTHSCI 122, 203, 210	5	Same content	2B
	CHEM 1210 or 1110	Chemistry	5	CHEM 121 or 101	5	Enhanced content	2B or 1A
Science Concentration: Additional Required Courses							
	EDUTL 4189	Science Field Experience	3	EDUTL 489.04	5	Same content	4C
	Sci 2000+	Science Elective 2000 or above with lab	4	Bio Elec 300+, Earth Sci 200+, PhysSci Elec 200+	5	Enhanced content	3C
	EARTHSCI 5189.03,5189.04 5189.05,5189.06 5584	Field Geology for Educators	2	EARTHSCI 583.xx, 584	3	Same content	4C
	BIO 4998, 4999; CHEM 4998, 4999; PHYS 4998, 4999; EARTHSCI 4998;PSYC 4998	Undergraduate Research	3	BIO 699, CHEM 585, PHYS 699, EARTHSCI 699	5	Same content	4C
Learning Goal Description							
Learning Goal	1	Middle Childhood Education majors learn basic content of their areas of concentration.					
	2	Middle Childhood Education majors learn to think critically and creatively in their fields of concentration like writers, researchers and scientists do.					
	3	Middle Childhood Education majors understand how humans learn and the factors and techniques that encourage learning, especially at the middle school level.					
	4	Middle Childhood Education majors understand the diverse environments in which they may teach and the research-based active learning curriculum they will implement at the middle school level.					
Learning Goal Level	A: Basic B: Intermediate C: Advanced						

Mathematics course flowchart according to Math Placement Level and Area of Concentration (AOC)

Placement Level		Math AOC	non-Math AOC	Sci w/o Math AOC
new	old			<u>recommended</u>
1	L	1165	1165	1165
		1166	1166	1166
		2167		2167
		2168		
			<u>optional</u>	
2	M	1150	1125 or 1150	1150
		1165	1126 1165	1165
		1166	1166	1166
		2167		2167
		2168		
			<u>optional</u>	
3	N	1148	1125 or 1148	1148
		1149	1126 1149	1149
		1165	1165	1165
		1166	1166	1166
		2167		2167
		2168		
4	R	1075	1125	1075
		1148	1126	1148
		1149		1149
		1165		1165
		1166		1166
		2167		
		2168		
5	S	1075	1075	1075
		1148	1125	1148
		1149	1126	1149
		1165		1165
		1166		1166
		2167		
		2168		

Mathematics course flowchart continued

Placement Level		Math AOC		non-Math AOC		Sci w/o Math AOC
new	old					<u>recommended</u>
6	T	1050		1050		1050
		1075		1075		1075
		1148		1125		1148
		1149		1126		1149
		1165				1165
		1166				1166
		2167				
		2168				

Name _____

name.# _____

COLLEGE OF ARTS AND SCIENCES
MIDDLE CHILDHOOD EDUCATION MAJOR

CURRICULUM PLAN - SEMESTERS

Choose two areas of concentration (AOC):

Mathematics (Math), Reading & Language Arts (Rdg/LA), Science (Sci), Social Studies (Soc Std)

GENERAL EDUCATION PROGRAM - SEMESTERS

1. WRITING (6)

A. Level 1 3 _____

B. Level 2
_____ 3 _____

Rdg/LA AOC recommend English 2367

2. LITERATURE (3)

_____ 3 _____

Rdg/LA AOC take World Lit course:

AAAS 2251, Classics 2220, English 4583,
Compstd 2101, 2301, 3606, Russian 2250

3. ARTS (3)

_____ 3 _____

Rdg/LA AOC take:

English 2263, Compstd 3607, WGSS 3317

4. MATH (5-10)

Placement level 5

Math 1075
Math 1125 5 _____

Placement level 3 or 4 - Math 1125 5 _____

MATH AOC

Placement level 2
Math 1150 5 _____
Math 1165 5 _____

Placement level 1 - Math 1165 5 _____

5. DATA ANALYSIS (3)

_____ 3 _____

Math AOC-Stat 1450

6. SCIENCES (10)

A. Physics 1106 5 _____
B. Physics 1107 5 _____

7. HISTORICAL STUDY (3)

_____ 3 _____

Soc Std AOC take: History 1151 or 1152

8. SOCIAL SCIENCE (6)

A. Psych 1100 3 _____

B. Course from Section B or C
_____ 3 _____

Soc Std AOC take: PolSci 1200, 1201, 1165, or 2400

9. CULTURES&IDEAS/HISTORICAL STUDY (3)

_____ 3 _____

Soc Std AOC take: History 1681 or 1682

10. OPEN OPTIONS (6)

Psych 2551 3 _____
_____ 3 _____

Soc Std AOC take: Econ 2001

Sci AOC take: Biol 1113 and 1114

11. FOREIGN LANGUAGE

All students complete through proficiency

_____ 4 _____
_____ 4 _____
_____ 4 _____

12. SOCIAL DIVERSITY (embedded)

Psych 1100

13. GLOBAL STUDIES (embedded)

International Issues (two are needed)

Non-western or Global (* courses)

Western (non-U.S.) (♦ courses)

(TOTAL: 60 units plus Math)

Advising Guide - Quarters

MAJOR

Choose two areas of concentration (AOC) PLUS Education AOC

Courses used to fulfill GEC requirements may not be used to fulfill major requirements also.

C- or above required in major courses

MATHEMATICS AOC

Prerequisite courses:

Math 1166 5 _____
CSE 1111 or 1223 4-5 _____

Required:

Math 2167 3 _____
Math 2168 3 _____
EDUTL 4189.01 3 _____
Math Elective/Research 3 _____
Phys 4998, Psyc 4998

READING AND LANGUAGE ARTS AOC

Prerequisite courses:

Oral Comm (choose one):
EDUTL 5101, Comm 1110, Comm 2367 3 _____

Required:

EDUTL 4189.07 3 _____
EDUTL 2368 3 _____
EDUTL 3356 3 _____

Language Study (choose one):

English 2271, 4570, or Ling 2000 3 _____

American Lit (choose one):

English 2900, 2910, 4550, 4551, 4552, or 4553 3 _____

Literature Elective (choose one):

English 4000 level or above (Am or Brit Lit)
_____ 3 _____

World Literature: completed in GE

Media Studies: completed in GE

Minimum 121 degree hours (as reflected on the degree audit) required for graduation, with at least 60 hours of upper division course work.

The highlighted courses (excluding grey) satisfy OSU M.Ed. prerequisites for admission.

The grey highlighted courses are required in the OSU graduate M.Ed. program.

SCIENCE AOC:

Prerequisite courses:

Chem 1210 or 1110 5 _____
Earth Sci 1121 4 _____
Earth Sci 1122, 2203, 2210 3-4 _____

Required:

Earth Sci 5189.03, 5189.04, 5189.05, 5189.06, 5584 2 _____
EDUTL 4189.04 3 _____
RESEARCH 3 _____
Phys 4998/9, Chem 4998/9, Bio 4998/9, Earth Sci 4998, Psyc 4998

Science electives (select 1 course)

Course with a lab component at the 2000 level
Bio 2000+, Earth Sci 2000+, PhysSci 2000+
_____ 4 _____

SOCIAL STUDIES AOC

Required:

EDUTL 4189.06 3 _____
EDUTL 2368 3 _____
Econ 2002 3 _____
Geog 2750 or 2400 3 _____
Hist 2800 3 _____

Soc Sci Diversity (select one):

Anthrop 2201, 2202, 4597.01, Geog 3701
History 2700, Int Stds 3850, Linguistics 2603,
Poli Sci 3220, 3 _____

Soc Sci Electives (select one):

Anthrop 3553, 3554, 5602, 5630, Econ 4560;
Geog 3750, 3600, 3752, 5501, 5502, 5602, 5752, 5802;
Poli Sci 3420, 4135, 4140, 4170, 4218, 4240, 4241,
4300, 4327; Psych 2375; Soc 2202, 2320, 2380, 3430,
3435, 3463, 3467; WGSS 2340, 2350, 3505, 4524, 5623
_____ 3 _____

EDUCATION AOC

All students take:

EDUPL 3206 3 _____
EDUPL 2309 3 _____
EDUTL 5468 3 _____
EDUTL 5469 3 _____
Psych 2551 or EDUPL 5401;
EDUPL 4403 or 4280 3 _____

Advising Guide - Quarters

Name _____

name.# _____

**INTERDISCIPLINARY MIDDLE CHILDHOOD EDUCATION MAJOR
CURRICULUM PLAN - QUARTERS**

Choose two areas of concentration (AOC):
Mathematics (Math), Reading & Language Arts (Rdg/LA),
Science (Sci), Social Studies (Soc Std)

GENERAL EDUCATION CURRICULUM - QUARTERS

1. SKILLS

A. WRITING

- 1. All students take Eng 110 5 _____
- 2. Second Writing Course (367) _____ 5 _____
Rdg/LA AOC take English 367

B. QUANTITATIVE SKILLS

- 1. Placement R or Math 075 or 104 _____
- 2. Math 105 (Math AOC-Math 108) 5 _____
- 3. Math 106 (Math AOC-Math 109) 5 _____
- 4. Stat 135 or 145 (Math AOC-Stat 145) 5 _____

C. FOREIGN LANGUAGE

All students complete through 104

_____ 5 _____

2. BREADTH (45 hours)

A. NATURAL SCIENCES (15 hours)

- All students take:
- 1. Physics 106 5 _____
 - 2. Physics 107 5 _____
 - 3. Biological Science Course _____ 5 _____
Sci AOC take Biology 113

B. SOCIAL SCIENCE (10 hours)

- 1. Psych 100 5 _____
- 2. Course from Section B or C _____ 5 _____
Soc Std AOC take
Polit Sci 100, 101, 165, or 210

BREADTH CONTINUED

C. ARTS & HUMANITIES (10 hours)

- 1. Literature _____ 5 _____
Rdg/LA AOC take English 290 or 291
- 2. Visual/Performing Arts _____ 5 _____

D. Additional Breadth Courses (10 hours)

- _____ 5 _____
- _____ 5 _____
- Soc Std AOC take: Econ 200 and 201
Sci AOC take: Biol 114 and Chem 121

3. HISTORICAL STUDY

- _____ 5 _____
- _____ 5 _____
- Soc Std AOC take:
Hist 151 or 152
Hist 181 or 182

4. DIVERSITY

- 1. Social Diversity in the U.S. – Psych 100
- 2. International Issues (two are needed)
Non-western or Global (* courses)

Western (non-U.S.) (♦ courses)

5. ISSUES OF THE CONTEMPORARY WORLD

- Select one 597 course _____ 5 _____
- Soc Std AOC choose Hist 597, Geog 597.01,
Soc 597.01, or Polit Sci 597.01
- Sci AOC: Biol 597 is recommended

Advising Guide - Quarters

MAJOR

Choose two areas of concentration (AOC)

Courses used to fulfill GEC requirements may not be used to fulfill major requirements also.

C- or above required in major courses.

MATHEMATICS (34-37 hours)

Prerequisite courses:

Math 148 4 _____
Math 150 5 _____

OR

Math 151 5 _____
Math 152 5 _____

Required:

Math 110 5 _____
Math 111 5 _____
Math 212 5 _____
EDUTL 489.01 5 _____
CSE 200 or 201 4-5 _____

READING AND LANGUAGE ARTS (36-41 hrs)

Required:

EDUTL 489.07 5 _____
EDUTL 467 3 _____
EDUTL 656 3 _____

Language Study (choose one):

English 271, 570, or Linguistics 201 5 _____

American Lit (choose one):

English 290, 291, 550, 551, 552, or 553 5 _____
(course may not double count for GEC)

World Lit (choose one):

AAAS 251, Classics 222, Comp Std 201,
English 583, Russian 250 5 _____

Literature Elective (choose one):

Am or Brit Lit (500 level or above)
_____ 5 _____

Oral Comm (choose one):

EDUTL 633, Comm 321, Comm 367 5 _____

Nonprint Media/Film (choose one):

English 263, Comm 200, 240, 341 5 _____

Minimum 181 degree hours (as reflected on the degree audit) required for graduation, with at least 60 hours of upper division course work.

SCIENCE (42 hours)

Prerequisite courses:

Earth Sci 121 5 _____
Earth Sci 122 5 _____
Chem 121 5 _____
Chem 122 5 _____

Required:

EDUTL 489.04 5 _____
Earth Sci 583 or 584 3 _____
Phys 699, Chem 585, Bio 699, or
692 approved by advisor (RESEARCH) 5 _____

Science electives (select 15 hrs from at least two areas)

1. Physical Sci: Chem 203 or higher
or Physics 108, 200 level or higher
2. Earth Science: Earth Sci 201, 203, 204,
206, 210, 212, Geog 210, or 520
3. Biol Sci 300 level or above (see list)
_____ 5 _____
_____ 5 _____
_____ 5 _____

SOCIAL STUDIES (38 hours)

Required:

EDUTL 489.06 5 _____
EDUTL 467 3 _____
Geog 200 or 240 5 _____
Hist 398 5 _____
Anthrop 201 or 202 5 _____

Soc Sci Electives (select one):

Anthrop 630, Econ 556,
Geog 400, 450, 460, 635, 650, 660,
Poli Sci 520, 550, 571, Soc 202, 320, 430 5 _____

Soc Sci Diversity (select one):

Anthrop 553.01, 553.02, 601.04, Geog 505,
513, 608, 652, Poli Sci 504, 512, 533,
537, 540, 541, 546, Psych 375, Soc 380,
382, 435, 463, 467, SP & Hrg 310,
Wom Std 340, 350, 505, 524, 623 5 _____

EDUC MINOR (22-24 hours)

All students take:

EDUPL 306.07 5 _____
EDUPL 309.07 5 _____
EDUTL 668.07 4 _____
EDUTL 669.07 5 _____
EDUPL 607.07 or Psych 551 3-5 _____

Application for Admission
College of Arts and Sciences
Interdisciplinary Middle Childhood Education Major
Semesters

All applications must be submitted to an ASC advisor in Denney Hall (Sue Kofsky or Nicole Clark). Please attach a current advising report to your application. You can obtain an advising report on-line at http://buckeyelink.osu.edu/advising_degree.html.

Name: _____ Date: _____

E-Mail Address: _____

Cumulative Point-Hour Rate _____ (You must have a minimum CPHR of 2.70 to be admitted to the major and to graduate with this major. OSU's Master of Education programs require a minimum of 3.0)

Earned Hours _____ (a minimum of 30 graded units at Ohio State is required; 10 units for transfer students)

Concentration Areas (please check two)

- | | |
|--------------------------------------|--|
| <input type="checkbox"/> Mathematics | <input type="checkbox"/> Reading and Language Arts |
| <input type="checkbox"/> Science | <input type="checkbox"/> Social Studies |

Within the minimum 30 earned units, you must have completed at least 10 units in at least 3 courses from either or both of the concentration areas. Those courses include:

- a) required prerequisite courses in content area (please see curriculum sheet for details)
- b) required major courses in the content area (please see curriculum sheet for details)
- c) any of the following GE's (listed by area of concentration)

Mathematics: Math 1165, 1166, Statistics 1450

Reading and Language Arts: English 2900, 2910

Science: Physics 1106, 1107, Biology 1113, 1114

Social Studies: Econ 2001, 2002, Pol Sci 1200, 1201, 1165, 2400, History 1151, 1681

Listing of the three courses (minimum 10 units) being used from concentration areas:

Course: _____ Semester Completed: _____ Grade: _____

Course: _____ Semester Completed: _____ Grade: _____

Course: _____ Semester Completed: _____ Grade: _____

<p>MCE Program Director's signature for approval of admission to major:</p> <p style="text-align: right;">Date _____</p>

Application for Admission
College of Arts and Sciences
Interdisciplinary Middle Childhood Education Major
Quarters

All applications must be submitted to an ASC advisor in Denney Hall (Sue Kofsky or Nicole Clark). Please attach a current advising report to your application. You can obtain an advising report on-line at http://buckeyelink.osu.edu/advising_degree.html.

Name: _____ Date: _____

E-Mail Address: _____

Telephone number: _____

Cumulative Point-Hour Rate _____ (You must have a minimum CPHR of 2.70 to be admitted to the major and to graduate with this major. OSU's Master of Education programs require a minimum of 3.0)

Earned Hours _____ (a minimum of 45 graded credit hours at Ohio State is required; 15 hrs for transfer students)

Concentration Areas (please check two)

- | | |
|--------------------------------------|--|
| <input type="checkbox"/> Mathematics | <input type="checkbox"/> Reading and Language Arts |
| <input type="checkbox"/> Science | <input type="checkbox"/> Social Studies |

Within the minimum 45 earned credit hours, you must have completed at least 15 credit hours from either or both of the concentration areas. Those courses include:

- a) required prerequisite courses in content area (please see curriculum sheet for details)
- b) required major courses in the content area (please see curriculum sheet for details)
- c) any of the following GEC's (listed by area of concentration)

Mathematics: Math 108, 109, Statistics 145
 Reading and Language Arts: English 290, 291
 Science: Physics 106, 107, Biology 113, 114
 Social Studies: Econ 200, 201, Pol Sci 100, 101, 165, 210, History 151, 181

Listing of the three courses (15 hours) being used from concentration areas:

Course: _____ Quarter Completed: _____ Grade: _____

Course: _____ Quarter Completed: _____ Grade: _____

Course: _____ Quarter Completed: _____ Grade: _____

<p>MCE Program Director's signature for approval of admission to major:</p> <p style="text-align: right;">_____ Date _____</p>
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Middle Childhood Program Transition Plan

Students who began their degree under quarters will not be penalized as we move to semesters, either in terms of progress towards their degree or their expected date of graduation. Since the sequence of classes in the areas of concentration can be adjusted to meet various requirements, students who will overlap the transition to semesters will, on arrival, plan their 4-year schedule with the Middle Childhood program advisor so as to minimize bridging issues. Under the straight conversion of the Middle Childhood program, most requirements can be met by direct substitution of the semester and quarter equivalents. Flexibility will be used in meeting requirements in order to minimize impact on students. In the case where sequences are involved, such as in the Mathematics area of concentration, that department has made plans for bridge courses if necessary.

Examples of four year programs for several possible choices of areas of concentration are given below for the MCE program under semesters as well as for the case of overlap between quarters and semesters.

Four Year Sample Middle Childhood Education Programs

MCE Math and Science Program - Semesters							
Year	Autumn	Units	Comment		Spring	Units	Comment
2012-2013	Physics 1106	5	Prereq		Physics 1107	5	Prereq
	Math 1165	5	Prereq		Math 1166	5	Prereq AOC1
	GE	3	GE		GE	3	GE
	Psych 1100	3	Prereq		GE	4	GE
	Semester Sum	16			Semester Sum	17	
2013-2014	Chem 1210	5	Prereq AOC2		Bio 1113	4	Prereq AOC2
	Math 2167	3	AOC1		Math 2168	3	AOC1
	GE	4	GE		GE	4	GE
	Ed T&L 4189	3	AOC1		Ed T&L 4189	3	AOC2
	Semester Sum	15			Semester Sum	14	
2014-2015	Earth Sci 1121	4	Prereq AOC2		Earth Sci 1122	4	Prereq AOC2
	Stat 1450	3	Prereq AOC1		Ed AOC	3	Ed AOC
	Ed AOC	3	Ed AOC		Bio 1114	4	Prereq AOC2
	GE	3	GE		GE	4	GE
	GE	3	GE				
	Semester Sum	16			Semester Sum	15	
2015-2016	Research 4998	3	AOC2		Earth Sci 5584	2	AOC2
	Ed AOC	3	Ed AOC		Sci Elec 2000+	4	AOC2
	GE	3	GE		GE	3	GE
	GE	4	GE		Ed AOC	3	Ed AOC
	CSE 1223	3	Prereq AOC1		Ed AOC	3	Ed AOC
	Semester Sum	16			Semester Sum	15	
				Total Hours:	124		

Four Year Sample Middle Childhood Education Programs

MCE Reading/Language Arts and Social Studies Program - Semesters							
Year	Autumn	Units	Comment		Spring	Units	Comment
2012-2013	Phys 1106	5	Prereq		Phys 1107	5	Prereq
	Math 1125	5	Prereq		Econ 2001	3	Prereq AOC2
	GE	3	GE		GE	4	GE
	Psych 1100	3	Prereq		Arts	3	Prereq AOC1
	Semester Sum	16			Semester Sum	15	
2013-2014	Hist 1151	3	Prereq AOC2		Hist 1682	3	Prereq AOC2
	Engl 2367	3	Prereq AOC1		World Lit	3	Prereq AOC1
	GE	4	GE		GE	4	GE
	Ed T&L 4189	3	AOC1		Ed T&L 4189	3	AOC2
	Ed T&L 2368	3	AOC1/AOC2		Pol Sci 1200	3	Prereq AOC2
	Semester Sum	16			Semester Sum	16	
2014-2015	Econ 2002	3	AOC2		Oral Comm	3	Prereq AOC1
	Stat 1450	3	Prereq		Hist 2800/2000+	3	AOC2
	GE	3	GE		GE	3	GE
	Lang Study	3	AOC1		Geog 2000/2400	3	AOC2
	Ed AOC	3	Ed AOC		Ed AOC	3	Ed AOC
	Semester Sum	15			Semester Sum	15	
2015-2016	Lit Elec	3	AOC1		Lit Elec	3	AOC1
	Soc Sci Diver	3	AOC2		Soc Sci Elec	3	AOC2
	GE	3	GE		GE	3	GE
	Ed T&L 3356	3	AOC1		Ed AOC	3	Ed AOC
	Ed AOC	3	Ed AOC		Ed AOC	3	Ed AOC
	Semester Sum	15			Semester Sum	15	
					Total Hours:	123	

Four Year Sample Middle Childhood Education Programs

MCE Math and Science Program - 1 year Quarters/3 years Semesters											
Year	Autumn	Qt Units	Sem Units		Winter	Qt Units	Sem Units		Spring	Qt Units	Sem Units
2011-2012	Phys 106	5	3.33		Phys 107	5	3.33		Phys 108	5	3.33
	Math 108	5	3.33		Math 109	5	3.33		Math 110	5	3.33
	Psych 100	5	3.33		GE	5	3.33		GE	5	3.33
									GE	3	2.00
	Quarter Sum	15			Quarter Sum	15			Quarter Sum	18	
		Semester Equiv	10			Semester Equiv	10			Semester Equiv	12

Year	Autumn	Units	Comment		Spring	Units	Comment
2012-2013	Chem 1210	5	Prereq AOC2		Bio 1113	4	Prereq AOC2
	Math 2167	3	AOC1		Math 2168	3	AOC1
	GE	4	GE		GE	4	GE
	Ed T&L 4189	3	AOC1		Ed T&L 4189	3	AOC2
	Semester Sum	15			Semester Sum	14	
2013-2014	Earth Sci 1121	4	Prereq AOC2		Earth Sci 1122	4	Prereq AOC2
	Stat 1450	3	Prereq AOC1		Ed AOC	3	Ed AOC
	Ed AOC	3	Ed AOC		Bio 1114	4	Prereq AOC2
	GE	3	GE		GE	4	GE
	GE	3	GE				
	Semester Sum	16			Semester Sum	15	
2014-2015	Research 4998	3	AOC2		Earth Sci 5584	2	AOC2
	Ed AOC	3	Ed AOC		Sci Elec 2000+	4	AOC2
	GE	3	GE		GE	3	GE
	GE	4	GE		Ed AOC	3	Ed AOC
	CSE 1223	3	Prereq AOC1		Ed AOC	3	Ed AOC
	Semester Sum	16			Semester Sum	15	
					Total Sem Hours:	123	