



# ARTS and SCIENCES

## Bachelor of Arts Interdisciplinary Middle Childhood Education Major Degree Requirements for Students Fulfilling the REVISED General Education Curriculum

Summer Quarter 2010

### The following degree requirements apply if you

- began your career as a regularly enrolled college student at Ohio State summer quarter 2008 or later, or
- began your career as a regularly enrolled college student at Ohio State summer quarter 2007, autumn quarter 2007, winter quarter 2008, or spring quarter 2008, and had earned fewer than 45 hours of transfer credit (excluding any transfer/AP credit hours you earned while you were enrolled in high school).

**Note: if four or more years have elapsed between any two successive quarters of enrollment at Ohio State, you must fulfill the requirements for the degree in effect at the time of reenrollment.**

The following degree requirements are effective summer quarter 2010. Check the web site [ascadvising.osu.edu/gec](http://ascadvising.osu.edu/gec) for updated information. Consult an advisor before making enrollment decisions.

### Goal

Ohio State's **General Education Curriculum (GEC)** is an integral part of an Arts and Sciences education. General education, as embodied in Arts and Sciences, provides the development of knowledge, perception, attitudes, and skills necessary to understand society's traditions and past, its accomplishments and aspirations, its relation and responsibility to the natural world, its diversity and plurality, and its problems and needs. The **goal** is for you to attain a sense of self within society that invites a continuing desire and ability to learn and work with others for future realization of the human potential. Specific goals aimed toward the broader goal of the GEC are listed below under the five categories of the curriculum.

### The College of Arts and Sciences

There are three divisions in Arts and Sciences: Arts and Humanities; Natural and Mathematical Sciences; and Social and Behavioral Sciences.

### Your Responsibility as a Student

You are responsible for knowing the published policies governing the curriculum you are pursuing, as well as the regulations and procedures of the college and the university. The Bachelor of Arts interdisciplinary middle childhood education major curriculum sheet should be used in conjunction with the *Arts and Sciences Degree Planning Manual*.

### Prerequisites

You are responsible for meeting all prerequisites to courses in which you enroll. Failure to satisfactorily complete prerequisites may delay graduation.

### Interdisciplinary Middle Childhood Education Major

The interdisciplinary middle childhood education major with a minor in education is offered cooperatively by Arts and Sciences and the College of Education and Human Ecology. The program is designed to fulfill many of the Ohio and national requirements for licensure for a middle childhood teacher (grades 4-9) and to streamline preparation for application to the Master of Education (MEd) licensure program at Ohio State.

Students in the program choose two areas of concentration, in any combination, from among the following:

- mathematics
- reading and language arts
- science
- social studies

Each area of concentration (AOC) is designed to provide a foundational understanding of the principles and methodologies of the subject matter relevant to the middle childhood curriculum, as well as an understanding of how each subject is important to society and everyday life.

Several of the required courses are taught using active learning methods, which are found to be most effective in learning. The program also includes field experiences and courses in education, which will provide first-hand experience in grade 4-9 classrooms and provide an opportunity to examine pedagogical methods.

The minimum cumulative grade point average (GPA) for entry into and graduation from this program is 2.7. Please be aware that Ohio State's MEd licensure program currently requires a minimum GPA of 3.0 for admission, and that the average GPA of admitted students is usually higher.

You should note, however, that completion of the major does not guarantee admission into Ohio State's MEd program, and you will have the option to apply for licensure/master's programs at other institutions, as well as Ohio State.

### General College Requirements

- You must earn a minimum of 181 credit hours to earn an Arts and Sciences degree. In addition to the General Education Curriculum, you will complete general college and major requirements and elective course work to reach a minimum of 181 credit hours.

Courses at the 000 level (remedial course work); English 100.01, 100.02, 109.01, and 109.02; Mathematics 050, 075, 076, and 103; and credit hours earned in repeated course work do not count toward the 181 hour minimum requirement for the Bachelor of Arts degree. Note that you can take both "versions" of cross-listed courses (e.g., Comparative Studies/Philosophy 170); however, since the two versions are in fact the same course, only one may count toward your minimum degree hours.

Within the minimum 181 credit hours, you must have:

- A minimum of 166 hours of Arts and Sciences or Arts and Sciences-approved courses.

You may count a maximum of 15 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work toward your degree. Of the 15 hours, no more than six may be from physical activities courses taught in Education: Physical Activity and Educational Services (EDU PAES); physical activities courses include all 100 level EDU PAES courses except for 102, 103, 122, 137, and 138. A maximum of 12 hours of technical credit may be counted toward the 15 hours of non-Arts and Sciences and non-Arts and Sciences-approved course work; however, the combination of EDU PAES, technical, and other non-Arts and Sciences credit hours may not exceed 15.

- A minimum of 60 hours of Arts and Sciences or Arts and Sciences-approved upper-division course work. Upper-division courses are defined as all Arts and Sciences courses at the 300 level or above, Philosophy 250, all courses taught by departments in mathematical and physical sciences at the 200 level and above (except for courses numbered 294), and foreign language courses taught in the language at the 200 level. Your 60 upper-division hours may come from hours earned for the GEC, the major, and electives.

- A minimum of 45 credit hours earned through regular course enrollment at Ohio State, and regular course enrollment in Arts and Sciences in your last quarter.

In addition, you must have:

- A cumulative GPA of at least 2.7 for all work attempted at Ohio State. To be competitive for Ohio State's MED program, you must attain a higher GPA.
- A cumulative GPA of at least 2.0 in the major. To be competitive for Ohio State's MED program, you must attain a higher major GPA.
- An application for the degree on file in the Arts and Sciences Graduation Services Office in 141 Denney Hall.

#### General Education Curriculum (GEC) Requirements

The curricular requirements are divided into five categories for the Bachelor of Arts degree. In fulfilling the GEC, you may petition (in advance) in the Arts and Sciences Advising and Academic Services Office to substitute upper-division courses that meet the spirit of the GEC for courses on the GEC. If you have transferred to Ohio State from another institution, you can often meet part of the GEC with approximately equivalent courses already taken. Your transfer course work will be reviewed in Arts and Sciences Advising, and courses that meet the spirit of the GEC will be applied to the GEC.

You must earn at least a D in a course for it to meet a GEC requirement. Courses taken on a pass/non-pass basis cannot be used to meet GEC requirements.

#### Exclusivity of GEC, Major, and Minor Courses

With the exceptions noted below, courses may not be counted on both the GEC and the major. Courses taken to fulfill GEC requirements may count on the minor unless specifically disallowed by an individual minor program. Courses may not be counted on both the major and the minor.

Some GEC courses are listed in more than one category; with the exceptions noted below, however, GEC courses may not be used to meet more than one GEC requirement.

#### Courses Used to Meet More than One Requirement

Courses used to meet the Diversity Experiences category may also count in another GEC category or on the major. The course used to meet the Data Analysis requirement may also count on the major if the course is at the 200 level or above and approved by the major advisor.

#### Group Studies and Individual Studies

Group studies (X94 courses) and individual studies (X93 courses) are not acceptable for meeting GEC requirements except when a specific experimental course has been approved by the Arts and Sciences Committee on Curriculum and Instruction. If a course has been approved, it will be listed on this curriculum sheet.

#### Summary of Degree Requirements

|  |                     |
|--|---------------------|
| GEC hours                                  | 80 - 105            |
| <b>1. Skills</b>                           | <b>(20 - 45)</b>    |
| A. Writing and Related Skills              | 10                  |
| B. Quantitative and Logical Skills         | 10 - 15             |
| C. Foreign Language                        | 0 - 20 <sup>1</sup> |
| <b>2. Breadth</b>                          | <b>(45)</b>         |
| A. Natural Science                         | 15                  |
| B. Social Science                          | 10                  |
| C. Arts and Humanities                     | 10                  |
| D. Additional Breadth                      | 10                  |
| <b>3. Historical Study</b>                 | <b>(10)</b>         |
| <b>4. Diversity</b>                        | <b>(0)</b>          |
| <b>5. Issues of the Contemporary World</b> | <b>(5)</b>          |
| <b>AOC 1</b>                               | 30 - 40             |
| <b>AOC 2</b>                               | 30 - 40             |
| <b>Education Minor</b>                     | 22 - 44             |
| <b>College Survey 100</b>                  | <b>(1)</b>          |
| <b>Minimum hours required</b>              | <b>181</b>          |

Hours required for the GEC, your major, and available elective hours will bring your total credit hours to the minimum hours required for graduation.

<sup>1</sup> Course work or proficiency through the fourth language course (104) is required.

#### Admission to the Major

Admission requirements for the interdisciplinary middle childhood major are as follows:

1. the completion of 45 graded credit hours at Ohio State, with at least 15 credit hours from either or both of the intended areas of concentration. The courses considered to be in the areas of concentration include
  - required prerequisite courses in the AOC
  - required major courses in the AOC
  - any of the following General Education Curriculum courses:
    - Mathematics: Mathematics 108, 109; Statistics 145
    - Reading and Language Arts: English 271, 290, or 291
    - Science: Physics 106, 107; Biology 113, 114
    - Social Studies: Economics 201; History 151, 181
    - Political Science 100, 101, 165, 210
2. the attainment of a GPA of at least 2.7; and
3. the submission of an application for admission into the program.

Applications are reviewed by the major oversight committee. If admitted to the major, your status will be changed from pre-major to major. If you wish to appeal the decision of the oversight committee regarding admission to or graduation from the program, the appeal will be considered by the executive dean of Arts and Sciences.

#### Academic Advising

If you are a pre-major or major student, you are assigned an academic counselor in Arts and Sciences Advising and Academic Services. These counselors are middle childhood education specialists. College of Education and Human Ecology (EHE) advisors are available to assist you with MED information.

## GEC Requirements

### Symbols

- Social Diversity in the United States course that also counts in another GEC category
- <sup>L</sup> Natural Science course that has a laboratory component
- ★ International Issues non-western or global course that also counts in another GEC category
- ◆ International Issues western (non-United States) course that also counts in another GEC category
- \* An asterisk indicates that the course fulfills an Ohio teaching licensure requirement.

### 1. Skills, 40 hours

#### A. Writing and Related Skills, 10 hours

*The goal of courses in this category is to develop skills in writing, reading, critical thinking, and oral expression.*

##### (1) First Course, 5 hours

English 110.01, 110.02, 110.03

##### (2) Second Course, 5 hours

###### Reading and Language Arts AOC

Select one course from English 367.01•, 367.02•, 367.03•, 367.04, 367.05•, 367.06, 367.07.

###### All other areas of concentration

Select one course from the following list.

African-American and African Studies 367.02•, 367.03•, 367.04•  
Agricultural Communication 367•  
Arabic 367•  
Art Education 367.01•, 367.02, 367.03•  
Communication 367  
Comparative Studies 367.01•, 367.02•, 367.03•, 367.04•  
Dance 367.01  
Economics 367.01, 367.02  
Engineering 367•  
English 367.01•, 367.02•, 367.03•, 367.04, 367.05•, 367.06, 367.07  
Environment and Natural Resources 367  
Film Studies 367.01, 367.02  
German 367  
History of Art 367  
Human Development and Family Science 367  
Landscape Architecture 367  
Linguistics 367.01•, 367.02  
Modern Greek 367•  
Nursing 367  
Philosophy 367•  
Physics 367  
Political Science 367.01  
Psychology 367.01, 367.02  
Slavic Languages and Literatures 367•  
Sociology H367.01, 367.02, H367.03  
Spanish 367•  
Theatre 367.01•, 367.02•, 367.03•  
Women's Studies 367.01•, 367.02•, 367.03•, 367.04•  
Yiddish 367

##### (3) Third Course

Course work is taken as part of the major program. Note: this requirement is not in effect for all majors; please consult with your major advisor.

## B. Quantitative and Logical Skills, 15-20 hours

*The goal of courses in this category is to develop logical reasoning, including the ability to identify valid arguments, use mathematical models, and draw conclusions based on quantitative data.*

##### (1) Basic Computational Skills 0-5 hours

Attain Math Placement Level R or higher, or complete Mathematics 075, 076, or 104. Credit for 075 or 076 does not count toward the minimum hours required for the degree.

##### (2) Mathematical and Logical Analysis, 10 hours

###### Mathematics AOC

Mathematics 108 and 109

###### All other areas of concentration

Mathematics 105 and 106

##### (3) Data Analysis, 5 hours

###### Mathematics AOC

Statistics 145

###### All other areas of concentration

Statistics 135 or 145

## C. Foreign Language, 0-20 hours

*The goal of courses in this category is to develop your skills in communication across ethnic, cultural, ideological, and national boundaries, and help you develop an understanding of other cultures and patterns of thought.*

Course work or proficiency through the fourth language course (104) is required.

### Foreign Languages offered

|                        |                |           |
|------------------------|----------------|-----------|
| American Sign Language | Italian        | Somali    |
| Arabic                 | Japanese       | Spanish   |
| Bulgarian              | Korean         | Swahili   |
| Chinese                | Latin          | Swedish   |
| Czech                  | Modern Greek   | Turkish   |
| French                 | Persian        | Twi       |
| German                 | Polish         | Ukrainian |
| Greek                  | Portuguese     | Urdu      |
| Hausa                  | Romanian       | Uzbek     |
| Hebrew                 | Russian        | Yiddish   |
| Hindi                  | Serbo-Croatian | Yoruba    |
| Hungarian              | Shona          | Zulu      |
| Georgian               |                |           |

### 2. Breadth, 45 hours

#### A. Natural Science, 15 hours

*The goal of courses in this category is to foster an understanding of the principles, theories, and methods of modern science; the relationship between science and technology; and the effects of science and technology on the environment.*

###### Science AOC

Biology 113<sup>L</sup>

Physics 106<sup>L</sup> - 107<sup>L</sup>

###### All other areas of concentration

Take Physics 106<sup>L</sup> - 107<sup>L</sup> and one Biological Science course from the list below.

Animal Sciences 310  
Anthropology 200  
Biology 101<sup>L</sup>, 102, 103, 113<sup>L</sup>, 114<sup>L</sup>, H115<sup>L</sup>, H116<sup>L</sup>, 350  
Entomology 101<sup>L</sup>, 102<sup>L</sup>, 333  
Environment and Natural Resources 201  
Evolution, Ecology, and Organismal Biology 232, 235<sup>L</sup>  
Food Science and Technology 201  
Horticulture and Crop Science 200<sup>L</sup>, 300<sup>L</sup>  
Human Nutrition 210  
Microbiology 509<sup>L</sup>  
Plant Biology 101, 102<sup>L</sup>, 300<sup>L</sup>

## B. Social Science, 10 hours

The goal of courses in this category is to help you understand human behavior and cognition, and the structures of human societies, cultures, and institutions.

### Social Studies AOC

Political Science 100, 101, 165, or 210

Psychology 100•

### All other areas of concentration

Take Psychology 100• and one additional course from Section 2 or 3.

#### (1) Individuals and Groups

African-American and African Studies 101 (201), 218  
Animal Sciences 240  
Anthropology 201★, 202★, 421.08  
Communication 101, 200, 431  
Consumer Sciences: Fashion and Retail Studies 372  
Economics 348  
Education: Educational Policy and Leadership 411  
Education: Teaching and Learning 559•  
Geography 205  
Human Development and Family Science 360, 361, 364  
International Studies 356★  
Linguistics 170★, 270, 307♦, 371, 372•, 375★  
Political Science 201  
Psychology 100•, 371  
Rural Sociology 378★  
Social Work 230  
Sociology 210, 370, 380  
Speech and Hearing Science 330, 350  
Women's Studies 110•

#### (2) Organizations and Politics

Consumer Sciences: Consumer and Family Financial Services 243  
Economics 201  
Environment and Natural Resources 400  
Geography 450★, 460, 643  
International Studies 201★, 230★, 231★, 235★, 245★, 250★  
Political Science 100★, 101, 165, 210, 211, 245★, 517, 532♦, 575  
Rural Sociology 105•  
Sociology 101•, 345

#### (3) Human, Natural, and Economic Resources

Agricultural, Environmental, and Development Economics 200, 280★  
Business Administration: Management and Human Resources 290  
Consumer Sciences 340  
Economics 110.01, 110.02, 110.03, 200  
Environment and Natural Resources 203  
Geography 200★, 240★, H410, 430  
History 366.01★  
International Studies 210♦, 215★, 240★, 280★  
Political Science 145★, 541★  
Sociology 460, 463, 466

## C. Arts and Humanities, 10 hours

The goal of courses in this category is to develop your ability to evaluate significant writing and works of art. Such studies enhance capacities for aesthetic and historical response and judgment; interpretation and evaluation; critical listening, reading, seeing, thinking, and writing; and experiencing the arts and reflecting on that experience.

Select 10 credit hours from the following lists, with at least five credit hours from the literature section and five credit hours from the visual/performing arts section. A maximum of five hours is permitted from the area of the major, but these hours may not be counted on the major.

#### (1) Literature, 5 hours

##### Reading and Language Arts AOC

English 290 or 291

##### All other areas of concentration

Select one course from the list below.

African-American and African Studies 154, 251★, 254, 271, 345, 551•  
Arabic 371★, 372★, 375  
Chinese 251★, 501★, 502★, 503★, 504★  
Classics 101♦, 102♦, 222♦, 327  
Comparative Studies 100★, 201♦, 202.01★, 202.02★, 203♦, 204♦, 205•, H240♦, 273♦, 301★, 306★, 308★, 314★  
English 201♦, 202♦, 220♦, 260, 261, 262, 275, 280, 281•, 290, 291, 372  
French 150♦, 151♦, 152★, 250

German 250, H263♦, 291♦, 292♦, 399♦  
Hebrew 370★, 372★, 373★, 374★, 378★  
Italian 151♦, 152♦, 251  
Japanese 251★, 252★  
Korean 251★  
Modern Greek H250, 371♦  
Near Eastern Languages and Cultures 372★, 374★  
Persian 370★, 371★  
Philosophy 215★, 301♦, 302♦, 303♦, 304♦, 305♦, 306, 307♦  
Portuguese 150★, 159★  
Russian 250★, 251★  
Scandinavian 222♦, 500, 513  
Slavic Languages and Literatures 245♦  
Spanish 320♦, 321♦, 520★  
Turkish 371★, 372★  
Women's Studies 215, 372★  
Yiddish 371♦, 399♦

#### (2) Visual/Performing Arts, 5 hours

African-American and African Studies 288•, 376•, 571•  
Architecture 271  
Art 205, 206, 300.01, 300.02, 340, H455  
Art Education 160, 252, 367.01•  
Comparative Studies 358♦  
Dance 161, 200  
East Asian Languages and Literatures 346  
English 263, 269  
Film Studies 270  
Hebrew 245, 345  
History of Art 201♦, 202♦ (210♦, 211♦, 212♦), 213★, 216★, 260★, 300♦, 301, 305, 315♦, 316, 340, 345, 350, 360, 367, 505★, 519♦, 520♦, 525♦, 530, 576★, 582★  
Italian 221♦  
Korean 505★  
Landscape Architecture 201  
Medieval and Renaissance Studies 219♦  
Modern Greek 268♦  
Music 250★, 251♦, 252, 253, 288•, 341, 342, 345.01, 347♦, 348★, 349  
Philosophy 240, H242  
Physics H455  
Russian 360★  
Scandinavian 520♦  
Slavic Languages and Literatures 360  
Spanish 322♦, 330★, 380★  
Theatre 100•, H101, 161, H230, 271, 280  
Women's Studies 230, 317

#### (3) Cultures and Ideas

African-American and African Studies 303•, 342★, 485.01★  
Allied Medicine 307  
Anthropology 241★  
Arabic 241★, 377★  
Art Education 255•  
Arts and Sciences 500  
Chinese 231★, 232★  
Classics 224♦, 225♦, 226♦, 230♦, 240♦, 250  
Comparative Studies 170, 234•, 241•, 242•, 264, 270★, 272♦, 274, 275, 305♦, 336•, 339★, 345, 373★, 376★, 377★  
Dance 357•  
East Asian Languages and Literatures 131★, 341★  
Economics 500  
English H167, 264, 270, 271, 276, 277, 364, 378  
French 153  
German 275♦, 299♦  
Hebrew 216★, 241★, 376★, 379  
History 306♦, 330.01★, 346•  
History of Art 306♦, 570  
Japanese 231★  
Jewish Studies 201♦  
Korean 231★  
Linguistics 201, 301, 303•  
Medieval and Renaissance Studies 210♦, 211★, 212♦, 213★, 214★, 215♦, 216★, 217♦, 218★, 226★, 240♦  
Modern Greek 200♦, 241♦  
Near Eastern Languages and Cultures 241★, 244★, 311, 341, 344★, 345★, 351★, 358, 360, 370★, 380  
Persian 241★  
Philosophy 101, 130, 131.01, 170, 230, 270, 336•  
Portuguese 330★, 331★, 335  
Romanian 235♦  
Russian 135★, 235★  
Slavic Languages and Literatures 130♦  
Spanish 150♦, 151★, 331★  
Turkish 241★  
Women's Studies 101•  
Yiddish 241♦

## D. Additional Breadth, 10 hours

In addition to the individual GEC approved Breadth requirements above, you must select two courses from any of the Breadth areas, including those from the **Cultures and Ideas** category, to complete 45 Breadth hours. Neither of the additional breadth courses may be selected from the area of the major. Students following the Science AOC and/or the Social Science AOC should take the courses indicated below.

### Science AOC

Biology 114<sup>L</sup> and Chemistry 121<sup>L</sup>

### Social Science AOC

Economics 200 and 201

## 3. Historical Study, 10 hours

*The goal of courses in this category is to develop your knowledge of how past events influence today's society and help you understand how humans view themselves.*

### Social Studies AOC

History 151 or 152 and History 181★ or 182★

### All other areas of concentration

Choose two courses. The first course should be selected from the following list:

African-American and African Studies 121★, 122★  
Classics 323  
Economics 500, 515★, 516★  
Education: Physical Activity and Educational Services 210, 211  
Engineering 360.01, 360.02  
History 111♦, 112♦, 121★, 122★, 141★, 142★, 151, 152, 171★, 172★, 181★, 182★, or any History course at the 300 level in the Course Offerings Bulletin (except for 398).  
History of Art 201♦, 202♦ (210♦, 211♦, 212♦)  
International Studies 210♦  
Philosophy H111♦, H112♦, 280  
Women's Studies 322H•

The second course can be any of the above or any History course at the 500 level (except for 598).

## 4. Diversity, 0 hours

### (A) Social Diversity in the United States

*The goal of courses in this category is to foster an understanding of the pluralistic nature of institutions, society, and culture in the United States.*

Completed by Psychology 100.

### (B) International Issues

*The goal of courses in this category is to help you become an educated, productive, and principled citizen of your nation and the world.*

You should overlap international issues courses with another GEC category or your major. If you do not overlap international issues courses with another GEC category or your major, the international issues requirement must still be met.

Select two international issues courses. One must be a non-western or global course [designated with a star (★)]. The other course may be another non-western or global course, or a western (non-U.S.) course [designated with a diamond (♦)].

### Non-Western or Global GEC Courses (★)

African-American and African Studies 121, 122, 251, 342, 485.01  
Agricultural, Environmental, and Development Economics 280  
Anthropology 201, 202, 241  
Arabic 241, 371, 372, 377  
Chinese 231, 232, 251, 501, 502, 503, 504  
Communication 597.01  
Comparative Studies 100, 202.01, 202.02, 270, 301, 306, 308, 314, 339, 373, 376, 377  
East Asian Languages and Literatures 131, 341  
Economics 508, 515, 516  
French 152  
Geography 200, 240, 450  
Hebrew 216, 241, 370, 372, 373, 374, 376, 378  
History 121, 122, 141, 142, 171, 172, 181, 182, 330.01, 366.01

History of Art 213, 216, 260, 505, 576, 582  
International Studies 201, 215, 230, 231, 235, 240, 245, 250, 280, 356  
Japanese 231, 251, 252  
Korean 231, 251, 505  
Linguistics 170, 375 (365)  
Medieval and Renaissance Studies 211, 213, 214, 216, 218  
Music 250, 348  
Near Eastern Languages and Cultures 241, 244, 344, 345, 351, 370, 372, 374  
Persian 241, 370, 371  
Philosophy 215  
Political Science 100, 145, 245, 541  
Portuguese 150, 159, 330, 331, 597.01, 597.02  
Rural Sociology 378  
Russian 135, 235, 250, 251, 360  
Spanish 151, 330, 331, 380, 520  
Turkish 241, 371, 372  
Women's Studies 372

### Western (non-United States) Courses (♦)

Classics 101, 102, 222, 224, 225, 226, 230, 240  
Comparative Studies 201, 203, 204, H240, 272, 273, 305, 358  
English 201, 202, 220  
French 150, 151  
German 260.01, 260.02, 260.03, H263, 275, 291, 292, 299, 399  
History 111, 112, 306  
History of Art 201, 202 (210, 211, 212), 300, 306, 315, 519, 520, 525  
International Studies 210  
Italian 151, 152, 221  
Jewish Studies 201  
Linguistics 307  
Medieval and Renaissance Studies 210, 212, 215, 217, 219, 226, 240  
Modern Greek 200, 241, 268, 371  
Music 251, 347  
Philosophy H111, H112, 301, 302, 303, 304, 305, 307  
Political Science 532  
Romanian 235  
Scandinavian 222, 520  
Slavic Languages and Literatures 130, 245  
Spanish 150, 320, 321, 322  
Yiddish 241, 371, 399

## 5. Issues of the Contemporary World, 5 hours

The goal of courses in this category is to provide thematic upper-division course work, which draws upon multiple disciplines, to enrich your experiences of the contemporary world.

### Science AOC

Biology 597• is recommended

### All other areas of concentration

Select one course from the following list.

Biology 597•  
Economics 597.01  
Entomology 597  
Geography 597.01  
History 597  
Political Science 597.01  
Sociology 597.01

## Arts and Sciences Policies Regarding the Major

Your major program must consist of at least 40 hours of credit in courses numbered 200 or above as prescribed by your major advisor. Please note that many major programs require considerably more than 40 hours of credit. Course work required for each of the subject-matter combinations of the interdisciplinary middle childhood education major is listed in the following section.

You must earn at least a C- in a course in order for it to be listed on your major. However, you must receive a 2.0 cumulative GPA for all major course work. If you earn a D+, D, or an E in a course that is required for your major program, the course cannot be counted toward the major. Your major advisor will decide if the course should be repeated or if another course should be substituted for it. Courses taken on a pass/non-pass basis cannot be used on the major.

Your major advisor must approve all courses comprising your major. If you change from one major or curriculum to another, consult with an Arts and Sciences counselor. Such changes may result in modifying requirements to such an extent that your date of graduation might be delayed.

A transfer student (i.e., from another institution) must have on the major program at least 20 credit hours earned at The Ohio State University. The student's advisor, the faculty oversight committee, and the appropriate assistant dean must approve any request for a variation in this policy.

## Arts and Sciences Subject-Matter Areas of Concentration

Interdisciplinary middle childhood education majors select two of the four areas of concentration that follow. An asterisk (\*) indicates that the course fulfills an Ohio teaching licensure requirement.

### 1. Mathematics AOC, 19-20 hours

#### Prerequisite course work, 9-10 hours

Mathematics 148\* and 150; or 151\* and 152\*

#### Major course work, 19-20 hours

Computer Science and Engineering 200\* or 201\*  
Mathematics 110\*  
Mathematics 111  
Mathematics 212

### 2. Reading and Language Arts AOC, 28-30 hours

#### Major course work, 28-30 hours

##### Language study, 5 hours

Select one course from the following list.  
English 271\*, 570\*  
Linguistics 201\*

##### Literature, 15 hours

Select one course from each of the following sections.

###### American literature

English 290\*, 291\*, 550\*, 551\*, 552\*, 553\*

###### World literature

African-American and African Studies 251\*  
Classics 222\*  
Comparative Studies 201\*  
English 583  
Russian 250\*

###### Literature elective

American or British literature at the 500 level or above

##### Oral and written composition, 3-5 hours

Select one course from the following list.  
Communication 321\*, 367\*  
Education: Teaching and Learning 633\*

##### Nonprint Media/Film, 5 hours

Select one course from the following list.  
Communication 200\*, 240\*, 341\*  
English 263\*

### 3. Science AOC, 23 hours

#### Prerequisite course work, 20 hours

Chemistry 121\* and 122  
Earth Sciences 121\* and 122\*

#### Major course work, 23 hours

Earth Sciences 583 or 584

Physics 699, Chemistry 585, Biology 699 or 692 approved by advisor (research)

Select three courses in at least two of the following areas (science electives)

##### Biological science

Entomology 500  
Evolution, Ecology, and Organismal Biology 322, 350, 370, 400, 405.01 and 405.02, 410, 413.01 and 413.02, 502, 510, 512  
Microbiology 509  
Molecular Genetics 500  
Plant Biology 300

##### Earth science

Earth Sciences 201, 203, 204, 206, 210, 212  
Geography 210, 520

##### Physical science

Chemistry: any course numbered 203 or higher  
Physics: 108 or any course numbered at the 200 level or higher

### 4. Social Studies AOC, 25 hours

#### Major course work, 25 hours

##### Geography, 5 hours

Geography 200\* or 240\*

##### Social science methodology, 5 hours

History 398

##### Social Science elective, 10 hours

Anthropology 201\* or 202\* required

And select one course from the following list.

Anthropology 630  
Economics 556  
Geography 400, 450, 460, 635, 650, 660  
Political Science 520, 550, 571  
Sociology 202, 320, 430

##### Social Science diversity elective, 5 hours

Select one course from the following list.  
Anthropology 533.01, 533.02, 601.04  
Geography 505, 513, 608, 652  
Political Science 504, 512, 533, 537, 540, 541, 546  
Sociology 380, 382, 435, 463, 467  
Speech and Hearing Science 310  
Women's Studies 340, 350, 505, 524, 623

### Education Core, 10-16 hours

Interdisciplinary middle childhood education majors take the following education core courses.

#### Introductory Methods and Field Experience in Middle Childhood Education, 10 hours

Select the two that match your areas of concentration.

Education: Teaching and Learning  
489.01 (mathematics)  
489.07 (reading and language arts)  
489.04 (science)  
489.06 (social science)

#### Additional education course work, 0-6 hours

##### Reading and Language Arts AOC

Education: Teaching and Learning 467\*, 656\*

##### Social Studies AOC

Education: Teaching and Learning 467\*

**Minor Requirements****Arts and Sciences Policies Regarding the Minor**

The minor course work described below is required as part of your program in interdisciplinary middle childhood education. Minor course work may not count toward the GEC or the major. An asterisk indicates that the course fulfills an Ohio teaching licensure requirement.

You must earn at least a C- in a course in order for it to be listed on your minor. However, you must receive a 2.0 cumulative GPA for all minor course work. If you earn a D+, D, or an E in a course that is required for your minor program, the course cannot be counted toward the minor. Your advisor will decide if the course should be repeated or if another course should be substituted for it. Courses taken on a pass/non-pass basis cannot be used on the minor. If you are a transfer student (i.e., from another institution), you may use a maximum of 10 transfer credit hours on the minor.

All courses comprising your minor must be approved in writing by your advisor on a minor program form. Changes in your minor program may be made only with the written approval of your advisor. The minor program form and any revisions must be filed in the Arts and Sciences office in Denney Hall at the time approval is given.

**Minor course work, 22-24 hours**

Education: Educational Policy and Leadership 306\*  
 Education: Educational Policy and Leadership 309\*  
 Education: Educational Policy and Leadership 607\* or Psychology 551\*  
 Education: Teaching and Learning 668\*  
 Education: Teaching and Learning 669\*

**Degree Requirements****Mathematics and Science Combination****GEC course work, 80-105 hours**

|   |      |
|---|------|
| English 110   | 5    |
| Second Writing course   | 5    |
| Basic Computational Skills                                    | 0-5  |
| Mathematics 108* and 109*                                     | 10   |
| Statistics 145*   | 5    |
| Physics 106* and 107  | 10   |
| Biology 113* and 114*   | 10   |
| Psychology 100  | 5    |
| Additional Social Science course                              | 5    |
| Historical Study  | 10   |
| Literature and Visual and Performing Arts courses             | 10   |
| Foreign Language  | 0-20 |
| Issues of the Contemporary World<br>(Biology 597 recommended) | 5    |

**Prerequisite course work, 29-30 hours**

|  |      |
|--|------|
| Chemistry 121*, 122                        | 10   |
| Earth Sciences 121*, 122*                  | 10   |
| Mathematics 148* and 150; or 151* and 152* | 9-10 |

**College Survey 100 course, 1 hour****Major course work, 52-53 hours**

Mathematics AOC, 19-20 hours

Science AOC, 23 hours

Education core, 10 hours

Education: Teaching and Learning 489.01, 489.04

**Education minor, 22-24 hours****Electives, 0 hours****Minimum total hours required, 184-213****Mathematics and Social Studies Combination****GEC course work, 85-110 hours**

|  |      |
|--|------|
| English 110  | 5    |
| Second Writing course  | 5    |
| Basic Computational Skills   | 0-5  |
| Mathematics 108* and 109*  | 10   |
| Statistics 145*  | 5    |
| Physics 106* and 107   | 10   |
| Biological science   | 5    |
| Economics 200* and 201*  | 10   |
| Political Science 100* or 101* or 165* or 210*   | 5    |
| Psychology 100   | 5    |
| History 151* or 152* and 181* or 182*  | 10   |
| Literature and Visual and Performing Arts courses  | 10   |
| Foreign Language   | 0-20 |
| Biology 597, Geography 597.01, History 597,<br>Political Science 597.01, or Sociology 597.01 | 5    |

**Prerequisite course work, 9-10 hours**

Mathematics 148\* and 150; or 151\* and 152\*

**College Survey 100 course, 1 hour****Major course work, 57-58 hours**

Mathematics AOC, 19-20 hours

Social studies AOC, 25 hours

Education core, 13 hours

Education: Teaching and Learning 467\*, 489.01, 489.06

**Education minor, 22-24 hours****Electives, 0-7 hours****Minimum total hours required, 181-203****Reading and Language Arts and Mathematics Combination****GEC course work, 80-105 hours**

|  |      |
|--|------|
| English 110  | 5    |
| Second Writing course (English 367.01-.07)*  | 5    |
| Basic Computational Skills   | 0-5  |
| Mathematics 108*, 109*   | 10   |
| Statistics 145*  | 5    |
| Physics 106, 107   | 10   |
| Biological science   | 5    |
| Psychology 100   | 5    |
| Additional Social Science course   | 5    |
| Additional Breadth course<br>(Fulfilled by Mathematics 148, 150, 151, or 152)                | 5    |
| Historical Study   | 10   |
| Literature and Visual and Performing Arts courses  | 10   |
| Foreign Language   | 0-20 |
| Biology 597, Geography 597.01, History 597,<br>Political Science 597.01, or Sociology 597.01 | 5    |

**Prerequisite course work, 9-10 hours**

Mathematics 148\* and 150; or 151\* and 152\*

**College Survey 100 course, 1 hour****Major course work, 63-66 hours**

Reading and language arts AOC, 28-30 hours

Mathematics AOC, 19-20 hours

Education core, 16 hours

Education: Teaching and Learning 467\*, 489.07, 489.01, 656\*

**Education minor, 22-24 hours****Electives, 0-6 hours****Minimum total hours required, 175-206**

**Reading and Language Arts and Science Combination****GEC course work, 80-105 hours**

|   |      |
|---|------|
| English 110   | 5    |
| Second Writing course (English 367.01-.07)*                   | 5    |
| Basic Computational Skills                                    | 0-5  |
| Mathematics 105, 106  | 10   |
| Statistics 135 or 145   | 5    |
| Physics 106*, 107   | 10   |
| Biology 113*, 114*  | 10   |
| Psychology 100  | 5    |
| Additional Social Science course                              | 5    |
| Historical Study  | 10   |
| Literature and Visual and Performing Arts courses             | 10   |
| Foreign Language  | 0-20 |
| Issues of the Contemporary World<br>(Biology 597 recommended) | 5    |

**Prerequisite course work, 20 hours**

|                           |    |
|---------------------------|----|
| Chemistry 121*, 122       | 10 |
| Earth Sciences 121*, 122* | 10 |

**College Survey 100 course, 1 hour****Major course work, 67-69 hours**

Reading and language arts AOC, 28-30 hours

Science AOC, 23 hours

Education core, 16 hours

Education: Teaching and Learning 467\*, 489.07, 489.04, 656\*

**Education minor, 22-24 hours****Electives, 0 hours****Minimum total hours required, 190-219****Reading and Language Arts and Social Studies Combination****GEC course work, 85-110 hours**

|  |      |
|--|------|
| English 110  | 5    |
| Second Writing course (English 367.01-.07)*  | 5    |
| Basic Computational Skills   | 0-5  |
| Mathematics 105, 106   | 10   |
| Statistics 135 or 145  | 5    |
| Physics 106, 107   | 10   |
| Biological science   | 5    |
| Economics 200* and 201*  | 10   |
| Political Science 100* or 101* or 165* or 210*   | 5    |
| Psychology 100   | 5    |
| History 151* or 152* and 181* or 182*  | 10   |
| Literature and Visual and Performing Arts courses  | 10   |
| Foreign Language   | 0-20 |
| Biology 597, Geography 597.01, History 597,<br>Political Science 597.01, or Sociology 597.01 | 5    |

**College Survey 100 course, 1 hour****Major course work, 69-71 hours**

Reading and language arts AOC, 28-30 hours

Social studies AOC, 25 hours

Education core, 16 hours

Education: Teaching and Learning 467\*, 489.07, 489.06, 656\*

**Education minor, 22-24 hours****Electives, 0-4 hours****Minimum total hours required, 181-206****Science and Social Studies Combination****GEC course work, 90-115 hours**

|  |      |
|--|------|
| English 110  | 5    |
| Second Writing course  | 5    |
| Basic Computational Skills   | 0-5  |
| Mathematics 105 and 106  | 10   |
| Statistics 135 or 145  | 5    |
| Physics 106* and 107   | 10   |
| Biology 113* and 114*  | 10   |
| Economics 200* and 201*  | 10   |
| Political Science 100* or 101* or 165* or 210*   | 5    |
| Psychology 100   | 5    |
| History 151* or 152* and 181* or 182*  | 10   |
| Literature and Visual and Performing Arts courses  | 10   |
| Foreign Language   | 0-20 |
| Biology 597, Geography 597.01, History 597,<br>Political Science 597.01, or Sociology 597.01 | 5    |

**Prerequisite course work, 20 hours**

|                              |    |
|------------------------------|----|
| Chemistry 121* and 122       | 10 |
| Earth Sciences 121* and 122* | 10 |

**College Survey 100 course, 1 hour****Major course work, 61 hours**

Science AOC, 23 hours

Social studies AOC, 25 hours

Education core, 13 hours

Education: Teaching and Learning 467\*, 489.04, 489.06

**Education minor, 22-24 hours****Electives, 0 hours****Minimum total hours required, 194-221****Arts and Sciences Office of Curriculum and Assessment**

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