Middle Grades Education/Science, M.Ed.

COLLEGE OF EDUCATION (http://education.temple.edu)

About the Program

The Middle Grades Education graduate program prepares students for middle-level teaching in grades 4 to 8. Middle grades teachers, particularly in math and science education, are increasingly sought out and in high demand in Pennsylvania and across the country.

The College of Education program in Middle Grades Education is designed to ensure that our students graduate highly knowledgeable about learning and teaching as well as committed to pre-adolescent learners from diverse ethnic, economic, and geographic backgrounds. The goal is to produce certified teachers to fill the growing vacancies. Toward that end, our program focuses on building deep content-specific pedagogical knowledge aligned to the breadth of academic standards and the wide-ranging developmental needs of middle grades students.

Our newly designed program stands out as cutting edge because we prepare graduate students to teach in both upper elementary and middle grades classrooms. In addition to becoming certified to teach all elementary subjects in grades 4 to 6, Middle Grades Education students can pursue single or dual certification for seventh and eighth grades in one of the following concentrations:

- Language Arts/English
- Mathematics
- Mathematics and Language Arts/English
- Mathematics and Science
- Science
- Science and Language Arts/English
- Social Studies

The Middle Grades Education graduate program may be completed for certification only or certification plus a master's degree. All applicants are initially admitted to the master's program. After successfully completing the minimum requirements for certification, students may choose to leave the program with certification-only or may elect to continue in the program and complete the additional credit hours and requirements to receive certification and a master's degree. The program requires a minimum of 25 credits for certification-only and 31 credits for certification plus a master's degree.

Time Limit for Degree Completion: 4 years

Campus Location: Main

Full-Time/Part-Time Status: The degree program can be completed on a full- or part-time basis. Classes are offered to accommodate working adults.

Accreditation: The program is approved as a teacher certification program by the Pennsylvania Department of Education (PDE).

Job Prospects: Graduates typically pursue teaching positions in elementary or middle schools for grades 4 to 8.

Licensure: Upon successful completion of the degree requirements and passing all Praxis™ examinations, candidates may apply for a Pennsylvania Instructional I Teaching Certificate.

Non-Matriculated Student Policy: Students may take up to, but not more than, 9 credits of graduate study in the program before being admitted to the program. The credits transfer into the program, if the student is admitted. Students completing non-matriculated courses before being admitted to the program are NOT guaranteed admission.

Financing Opportunities: Financial support opportunities may include scholarships, tuition remission, and other financial aid such as grants, loans, and federal work study.

Admission Requirements and Deadlines

Application Deadline:

Fall: March 1
Spring: November 1

Applicants should submit all required admissions documents by the application deadline to receive priority consideration for admission and financial support.

APPLY ONLINE to this graduate program.

Letters of Reference:
Number Required: 2, with a third submitted at the applicant's discretion. Please submit the "Reference Report for Graduate Study," found at http://www.temple.edu/grad/admissions/documents/Web_GRAD_REFERENCE_REPORT.pdf.

From Whom: Letters of recommendation should be obtained from college/university faculty members and others who can provide insight into the applicant's academic competence.

Coursework Required for Admission Consideration: All applicants must present credentials that are the equivalent of the appropriate baccalaureate degree at Temple University.

Prerequisites for admission to the specialization in Science for Middle Grades Education include undergraduate or graduate level courses, completed with a grade of "C" or better, as identified below:

- At least five courses (or 15 credits) in the chosen concentration area of science. For science, students are advised to have completed at least one earth/space science, one life science, and one physical science course. One course must include a lab.
- At least two courses (or 6 credits) of language arts, of which none may be remedial courses:
  - One course (3 credits) in English composition.
  - One course (3 credits) American or British literature.
- At least two courses (or 6 credits) of mathematics, including at least three credits of calculus and the remaining credits in upper level math courses.
- At least two courses (or 6 credits) in American Government, U.S. History, or World History.

The Middle Grades Advisor determines which courses count as fulfilling the prerequisites.

Bachelor's Degree in Discipline/Related Discipline: A bachelor's degree is required. Applicants who do not meet the 3.0 UGPA requirement may be considered for admission if they meet one of the following exceptions:

1. Standard exception: 3.5 UGPA during the last two years AND a minimum of 3.25 Graduate GPA for 9 credits (typically taken as a non-matriculated student in the program prior to application for admission).
2. Special exception: Applicants who do not meet regular admission criteria may be considered for a special exception if a compelling case can be made for admission on the basis of some additional source of data.

Statement of Goals: In 500 to 1,000 words, outline your interest in seeking a degree with a specific focus on the career to which you aspire, your interests, and your academic and job-related experiences that are relevant to the program.

Standardized Test Scores:

Praxis II®: Official score report must demonstrate a passing score in the content-area test to gain admission to the program:

- PA Grades 4–8 Subject Concentration: Science (5159) – 156 minimum score (effective 4/2/12)

For more information on testing requirements for middle grades education, visit http://education.temple.edu/teach/test-requirements-certification-middle-grades-education.

TOEFL score (international applicants only): 88 iBT or 575 PBT minimum. Applicants with scores between 88 and 100 iBT or between 575 and 600 PBT must take an English refresher course.

Resume: Current resume required.

Transfer Credit: Courses may be transferred from an accredited institution provided they were completed less than five years ago and are relevant to the program. The academic advisor makes the decision about the relevancy of the courses that the student desires to transfer. The maximum number of credits a student may transfer is 6.

Coursework Waivers: Each student is assigned a faculty advisor at the time of admission. The advisor reviews the student's credentials and determines which, if any, of the required courses can be waived. In general, this waiver covers the beginning-level courses in the program. Waiving a specific requirement, however, does not reduce the total number of credits needed to graduate.

Clearances: A Pennsylvania criminal background check, a federal criminal history check, a child abuse clearance, and a TB test are required at admission.

Program Requirements

General Program Requirements:

Number of Credits Required Beyond the Baccalaureate: 31

Required Courses:
### Core Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>EDUC 5255</td>
<td>Tech in Classrooms: TPCK</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5402</td>
<td>Child and Adol Develop</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 5101</td>
<td>Citizenship, Cultures, and Social Studies Education</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 5102</td>
<td>Reading and Writing in the Middle Grades</td>
<td>2</td>
</tr>
<tr>
<td>MGRE 5404</td>
<td>Teaching Math in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>MGRE 5405</td>
<td>Teaching Science in the Middle Grades</td>
<td>3</td>
</tr>
<tr>
<td>SPED 5111</td>
<td>Educating Students with Disabilities in Inclusive Settings</td>
<td>2</td>
</tr>
<tr>
<td>SPED 5287</td>
<td>Integrated Literacy and Special Education Practicum</td>
<td>2</td>
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<tr>
<td>TESL 5631</td>
<td>Foundations of Language Teaching: Meeting the Needs of English Language Learners</td>
<td>3</td>
</tr>
</tbody>
</table>

### Student Teaching and Seminar

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>EDUC 5409</td>
<td>Research Methods and Induction Capstone</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5888</td>
<td>Supervised Teaching</td>
<td>4</td>
</tr>
</tbody>
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Total Credit Hours: 31

1 Not required for PDE certification without degree.

### Culminating Events

Student teaching and its related seminar are the culminating events for this program.

Middle Grades students should take the following Praxis™ test during their student teaching term: Pennsylvania Grades 4-8 Core Assessment (5152).

### Contacts

**Program Web Address:**
https://education.temple.edu/middlegrades/middle-grades-education-med-science

**Department Information:**
Dept. of Teaching and Learning  
College of Education  
1301 Cecil B. Moore Avenue  
Philadelphia, PA 19122-6091  
educate@temple.edu  
215-204-0999

**Submission Address for Application Materials:**
http://apply.temple.edu/coe

**Department Contacts:**

**Admissions:**  
Office of Enrollment Management  
educate@temple.edu  
215-204-0999

**Courses**

**MGRE 5101. Citizenship, Cultures, and Social Studies Education.** 3 Credit Hours.
This course examines ways to teach about diversity and dialogue in the practice of democracy. Using the social studies content areas and research in social justice, special attention is paid to the areas of multicultural and citizenship education as well as other compelling topics that influence the public or common good in a diverse society such as race relations, gender socialization, language differences, immigration, religious freedom, equality of economic and social opportunities, and global interdependence.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.
MGRE 5102. Reading and Writing in the Middle Grades. 2 to 3 Credit Hours.
The purpose of this course is to prepare pre-service teachers to teach reading and writing in the upper elementary and middle level settings. Students will be introduced to theories and current views of practice in the literacy field. The areas of language, listening, reading and writing are presented throughout this course as interrelated and integrated literacy processes. Emphasis will be on providing pre-service teachers with the competencies to implement strategic instructional practices and engage in ongoing assessment for a diverse middle grades population. We will also identify ways to build classroom communities through literacy practices.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

Pre-requisites:
(EDUC 5402|Minimum Grade of C|May not be taken concurrently
AND MGRE 5101|Minimum Grade of C|May not be taken concurrently)

MGRE 5404. Teaching Math in the Middle Grades. 3 Credit Hours.
This course will focus on numbers, operations, and algebra, as appropriate for the middle grades. Special attention will be paid to understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Problem-solving, connections, and concrete models are emphasized. The particular content knowledge needed for teaching will be integrated in this course with general and content-specific pedagogies. Issues of planning, instruction, and assessment will be discussed. Field experiences in the form of small group instruction will support these discussions.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.

MGRE 5405. Teaching Science in the Middle Grades. 3 Credit Hours.
This course will focus on the "big ideas" in the sciences as appropriate for the middle grades. Special attention will be paid to understanding the pre- and mis-conceptions that middle-level students hold. Scientific inquiry and its associated process skills will be emphasized. The particular content knowledge needed for teaching will be integrated in this course with general and content-specific pedagogies. Issues of planning, instruction, and assessment will be discussed. Field experiences in the form of small-group instruction and isolated whole-group instruction will support these discussions.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate.

Repeatability: This course may not be repeated for additional credits.