SINGLE SUBJECT CREDENTIAL MATH OR SCIENCE

The Single Subject in Mathematics and Science Credential Program prepares students to teach mathematics, life sciences, or physical sciences in grades 6–12, particularly in urban public schools. Mills students gain the knowledge, skills, and dispositions to work collaboratively with colleagues and learn to address the complexities of teaching adolescents from multiple perspectives. Our students are prepared to be successful teachers in schools as they currently exist, and at the same time, to change them to better meet the needs of adolescent learners.

After successfully completing the requirements associated with the first year of the program, students apply for a California preliminary teaching credential. This credential is recognized in most states. Most single subject credential candidates teach at the middle or high school level, though students may teach their subject area in any K–12 classroom.

**Distinctive Features**

- **Cohort-based program:** The program year begins with a late summer course in mathematical understanding in elementary school teaching. The program also includes a late summer retreat where you meet other new students and the faculty—the people who will become colleagues as you enter the teaching profession.

- **Coherent curriculum:** Course work reflects a group of core principles that have been developed by the faculty. Faculty meet regularly to ensure the principles are reflected in the program’s course work and fieldwork components.

- **Professional focus:** Throughout the program, students have multiple opportunities to discuss the roles and ethical responsibilities of teaching, including the specialized body of knowledge that characterizes the work and a set of core ethical commitments that guides it.

- **Inquiry stance:** Learning is at the heart of good teaching. The program prepares students with the knowledge, skills, and dispositions necessary to base their teaching on what and how students learn.

**Course Work**

The teaching credential course work integrates theory and practice to prepare students to teach in an urban setting and is guided by an overarching concern for social justice. See the Requirements (p. 1) page for a list of courses required for this program; see the Course Descriptions page for paragraph-length descriptions of individual courses.

**Fieldwork**

Over the course of the academic year, students work five mornings each week alongside an experienced cooperating teacher. Students may work in either one or two settings, with the option of working at two different grade levels (one each semester). In addition to a cooperating teacher, students have a Mills supervisor who visits the classroom regularly and provides guidance and feedback as students learn to teach.

Students also have a weekly seminar with mathematics and science supervisors and colleagues to discuss and grapple with the complexities of classroom experiences.

**Completing the MA**

Students in the Single Subject Credential in Mathematics and Science Program may continue their studies to complete their MA in the MEET Program (https://catalog.mills.edu/graduate/programs/education/ma-education-emphasis-teaching).

**Career Opportunities**

Graduates from the Single Subject Credential in Mathematics and Science Program obtain jobs in public, charter, and independent schools in the San Francisco Bay Area and beyond, though most teach in urban public schools. The Mills Career Services Office provides support in finding these placements, and our large network of alumnae/i is an invaluable resource in the job search process.

**Requirements**

**Mathematics or Science**

This single subject credential program prepares students to teach mathematics, life sciences, or physical sciences in grades 6–12, particularly in urban public schools.

**Related Programs**

**Teacher Education**

- Multiple Subject Credential (https://catalog.mills.edu/graduate/programs/education/multiple-subject-credential)
• MA in Education, Early Childhood Education (https://catalog.mills.edu/graduate/programs/education/ma-early-childhood-education)

• Single Subject Credential in Humanities (Art, English, or Social Science) (https://catalog.mills.edu/graduate/programs/education/single-subject-credential-humanities)

• Single Subject Credential in Mathematics or Science (p. 1)

• MA in Education (MEET) (https://catalog.mills.edu/graduate/programs/education/ma-education-emphasis-teaching)

• Language, Culture, and Trauma Certificate in Teaching (https://catalog.mills.edu/graduate/programs/education/language-culture-trauma-certificate-teaching)

**Early Childhood Education**

• MA in Early Childhood Education—MA/ECE (https://catalog.mills.edu/graduate/programs/education/ma-early-childhood-education)
  - Early Childhood Multiple Subject Credential—MA/ECE/MSC (https://catalog.mills.edu/graduate/programs/education/early-childhood-multiple-subjects-credential)

• MA in Child Life—MA/ECE/CL (https://catalog.mills.edu/graduate/programs/education/ma-education-child-life---hospitals)
  - Early Childhood Special Education Credential—MA/ECE/ECSE (https://catalog.mills.edu/graduate/programs/education/early-childhood-special-education-credential)

• MA in Early Childhood Leadership—MA/ECL (https://catalog.mills.edu/graduate/programs/education/ma-early-childhood-leadership)

**Educational Leadership**

• MA in Educational Leadership (https://catalog.mills.edu/graduate/programs/education/ma-educational-leadership)
  - Early Childhood Leadership (https://catalog.mills.edu/graduate/programs/education/ma-early-childhood-leadership)
  - Independent School Leadership (https://catalog.mills.edu/graduate/programs/education/ma-educational-leadership-emphasis-independent-school-leadership)

• MA in Educational Leadership (online) (https://catalog.mills.edu/graduate/programs/education/ma-educational-leadership-online)

• Joint MBA/MA in Educational Leadership (https://catalog.mills.edu/graduate/joint-degree-programs/joint-mbama-educational-leadership)

• Doctorate (EdD) in Educational Leadership (https://catalog.mills.edu/graduate/programs/education/eddt)
  - focus on Community College Leadership (https://catalog.mills.edu/graduate/programs/education/eddt/#requirements)

• Administrative Services Credential (https://catalog.mills.edu/graduate/programs/education/administrative-services-credential)

**Infant Mental Health**

• Infant Mental Health (https://catalog.mills.edu/graduate/programs/infant-mental-health)

• Infant Mental Health with Special Education Credential (https://catalog.mills.edu/graduate/programs/infant-mental-health-ma-infant-mental-health-with-credential)

**Accelerated Degree Programs**

• BA/MA Child Development & Elementary Education (https://catalog.mills.edu/undergraduate/accelerated-degree-programs/bama-child-development-elementary-education)


• BA/MA Early Childhood Special Education/Teaching Credential (https://catalog.mills.edu/undergraduate/accelerated-degree-programs/bama-child-developmentearly-childhood-special-education-credential)

• BA/MA Education/Teaching Credential (https://catalog.mills.edu/undergraduate/accelerated-degree-programs/bama-teacher-education)

• BA/MA Infant Mental Health (https://catalog.mills.edu/undergraduate/accelerated-degree-programs/bama-infant-mental-health)

**Certificates**

Waldorf Professional Development Certificate (https://catalog.mills.edu/graduate/programs/education/certificate-in-waldorf-education)