

STEM STARTER ACADEMY

Statewide

STEM Starter Academy is a state-funded initiative to inform, engage, recruit, retain, and graduate significantly more students in STEM at all 15 community colleges.

Program Goals:

1. To graduate more community college students with STEM degrees and certificates, prepared to enter the workforce or transfer to a four-year institution.
2. To recruit more students into the STEM pipeline at the community colleges.

For More Information:

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MASSACHUSETTS
Department of
Higher Education

www.mass.edu/stem

MassBay Community College

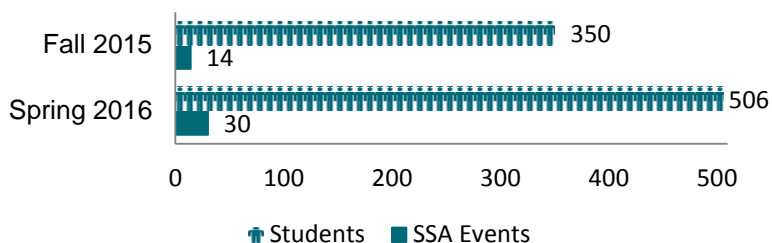
Recruitment

Student Support

External Partnerships

Building a STEM Pipeline

In academic year 2015-16, MassBay saw an increased participation in SSA-sponsored events designed to recruit students to the college's STEM programs. In fall 2015, **14** events were held with **350** participants, and in spring 2016, **30** events were held with **506** participants.



45% of mentees are women

24% mentees are the first in their family to attend college

52% of mentees are students of color

STEM Mentor Program

Supporting Retention and Diversity

Mentee retention rate from fall 2015 to spring 2016 was **89%** as compared to the overall fall to spring STEM retention rate which was **69%**.

SSA-FUNDED EMBEDDED LEARNING SPECIALISTS

In AY 2015-16, SSA funded 12 embedded learning specialists (ELS) in 24 math classes



SERVING MASSBAY STUDENTS

These learning specialists served 112 STEM students and over 233 other MassBay students



SUPPORTING MATH SUCCESS

67% of students in ELS-supported classes passed with grades averaging between B and B+

Engaging External Partners 2015-2016 Academic Year

54 Employers and Partners Recruited Students for Internships

47 STEM Professionals Participated in the STEM Mentor Program

35 Employers Attended the Advanced Manufacturing Industry Breakfasts

23 Professionals Served on Programs and Panels for the STEM Division

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Statewide

Key highlights from the first two years of the statewide STEM Starter Academy program:

More than **10,000 students**
directly participated

Another **20,000 students**
participated in recruitment events
and information sessions

SSA population reflects the overall demographics
of the community colleges:

12% African American

14% Latino/a

51% Female

SSA students are more likely to
enroll full time
compared to general community college students

75% of SSA students
who completed developmental math in summer 2015
enrolled in college-level math in fall 2015

70% of
degrees & certificates
earned by SSA students are in STEM