

STEM Starter Academy

American Council of Engineering Companies October 7, 2021



STEM Starter Academy







Community College Initiative







Focus on Equity







Equity in content

Equity in opportunity



Equity in infrastructure

Equity in pedagogy



Equity in student outcomes





Core Principles







Students Served - Scale

From 2014 to 2019...







Students Served - Diversity



SSA promotes increased recruitment and retention of students from diverse backgrounds and who have been traditionally underrepresented in STEM professions.





Key Findings: Student Outcomes

From 2014 to 2019...







Key Findings: Student Outcomes

SSA Students Fare Better Than Their Peers







Key Findings: Partnerships





MASSACHUSETTS Department of **Higher Education**



Advancing students toward

partnerships.

Summary

SSA Advances Equity







Student Talks:

Julia Assumpcao – Engineering Design Student, MassBay CC

Alex House – Environmental Engineering, Bristol CC

Carla Garcia – Engineering Science, Northern Essex CC

Tucker Murphy – Engineering, Cape Cod CC/UMass Dartmouth







SSA Resources:

MA Community Colleges - https://masscc.org/colleges/









SSA Resources:

DHE STEM Starter Academy – College Contacts https://www.mass.edu/strategic/stemstarter.asp

STEM Week October 18-22 https://www.massstemweek.org/programs/schedule

Western Massachusetts Engineering Pathways Program <u>https://www.hcc.edu/about/news-events-and-media/news-stories/hsi-grant</u>

MassBay STEM Expo: <u>https://www.massbay.edu/stem-expo</u> Engineering Department Programs: <u>https://www.massbay.edu/engineering</u> Open House Engineering Video: <u>https://youtu.be/nHaFoCiOMq4</u>



