MASSASOIT COMMUNITY COLLEGE

PIPELINES TO PIPETS: **Biotechnician Training & Science Transfer Initiative**

A program to expand and diversify the pipeline of science professionals through exploration, supplemental instruction, enhanced advising, and career undergraduate research. The Initiative makes students competitive in the job market quickly and at the same time prepares them for advancement academically and professionally.



The Science Transfer Initiative is a stepped program

to increase enrollment, graduation and transfer rates of STEM majors:

Undergraduate research opportunities on- and off- campus position students for the future	
Enhanced Advising Research-like lab experiences in STEM classes engage and retain students	
Inquiry-based	lear roadmaps define transfer and career bathways and early interventions ensure academic success
Career Awareness	Awareness of career options help students to envision the future
Supplemental Instruction	Embedded academic support helps under-prepared students through STEM gate-keeper courses
Near-Interest Students	Students in STEM classes to fulfill Allied Health or Non-STEM degree requirements are

Recognized by the Massachusetts STEM Advisory Council as a model program, five years of STI data show its impact on students:



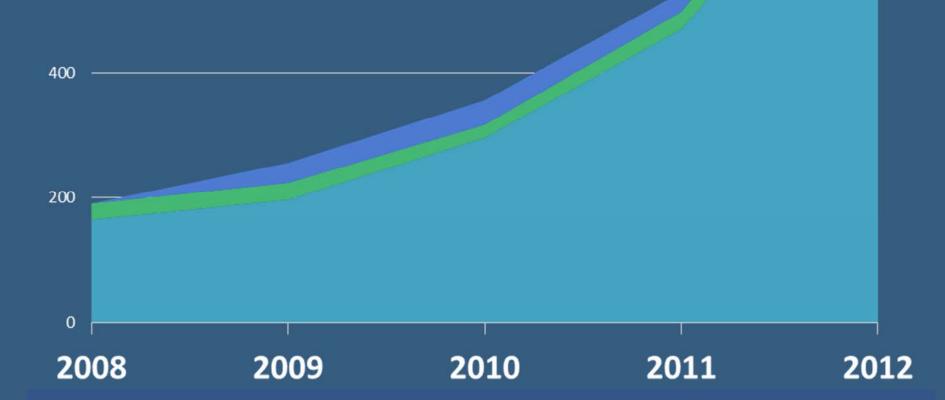
recruited to STEM disciplines

The ATE Biotechnician Training project builds on the STI

and has:

- \Rightarrow Launched a new degree option and a certificate for students seeking to enter the biotechnology and life sciences sectors.
- \Rightarrow Expanded the pipeline of workforce-ready STEM professionals, with a particular emphasis on underrepresented populations.
- \Rightarrow Introduced on-campus research and integrated research-like experiences into STEM curriculum to build practical skills and to increase retention and success.





Five years of data on undergraduate research participants also shows its impact on students:

78% transferred to a 4-year STEM program

