



Holyoke Community College

Studying STEM at HCC!



Introduction



Melissa Paciulli,
PhD Candidate

Director of STEM Starter
Academy

mpaciulli@hcc.edu



Emily Rabinsky, PhD

Professor of Biology,
Biotechnology Program
Coordinator, Microbiology
Coordinator, Erabinsky@hcc.edu



Ileana Vasu, PhD

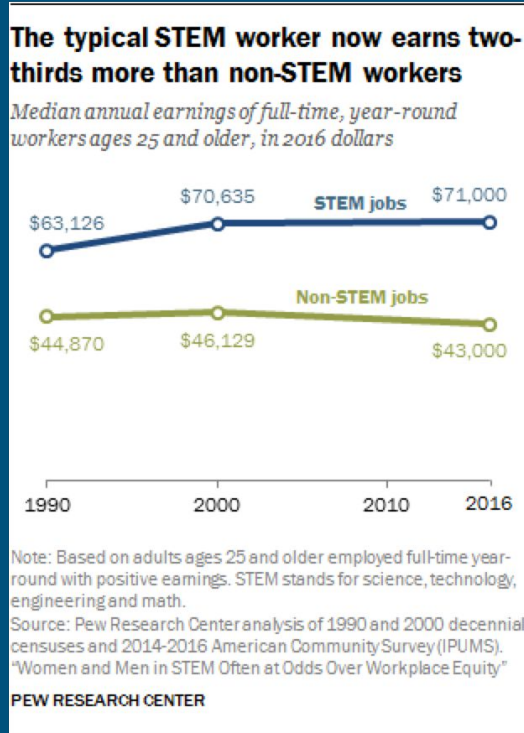
Mathematics Department Chair,
Professor of Mathematics,
Principal Investigator for NSF
S-STEM Scholarship &
MassTEACH

ivasu@hcc.edu

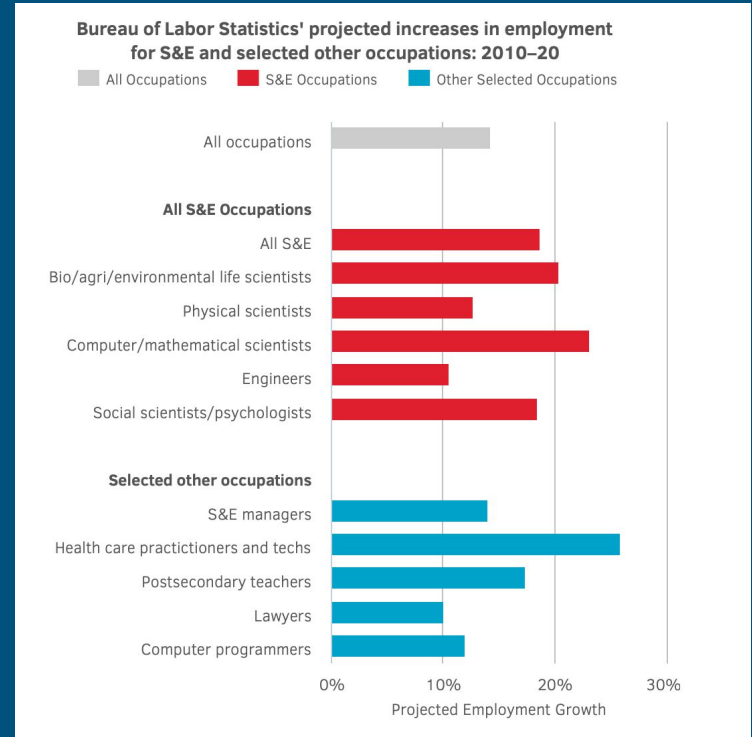
Why Study STEM?

The typical STEM worker now earns two-thirds more than non-STEM workers

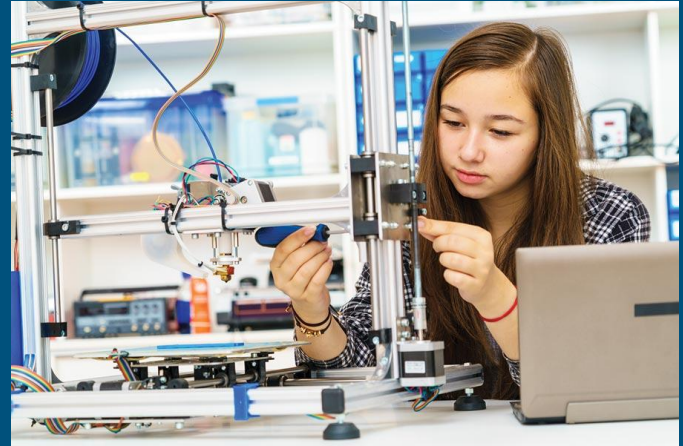
High Paying JOBS!



High Demand JOBS!



Why Study STEM?



- Studying STEM can help you learn ways of thinking that are useful in any field
- Scientists, inventors, engineers, and mathematicians shape history and the way life is lived everyday!

Studying STEM at HCC

What do you need?

- Willingness to learn
- Interest in exploring STEM
- Dedication to yourself and your dream!!
- See yourself in STEM yet?



We will help you succeed!

- Great Faculty
- Small Classes
- Scholarships
- Supportive staff
- Transfer to 4 Year (and beyond..)
- Career Coaching

Studying STEM at HCC

- BIOLOGY
- BIOTECHNOLOGY
- CHEMISTRY
- COMPUTER INFO SECURITY & ASSURANCE
- COMPUTER USER SUPPORT
- ENGINEERING
- ENGINEERING SCIENCE
- ENVIRONMENTAL SCIENCE FIELD TECH
- ENVIRONMENTAL SCIENCE TRANSFER
- FORENSIC SCIENCE CERTIFICATE
- FORENSIC SCIENCE
- INFORMATION TECHNOLOGY MANAGEMENT
- MATHEMATICS GENERAL TRANSFER
- MATHEMATICS - MASS TRANSFER
- PHYSICS
- PHYSICS - MASS TRANSFER

HCC Student Supports

Online Resources

- [Week at a Glance](#)
 - [CAPS Center](#)
 - [Student Senate](#)
 - [STRIVE](#)
 - [STEM Club](#)
 - [STEM Starter Academy](#)
-

STEM Starter Academy

We can help you succeed!

Student Support

Spring 2021

Free Classes

Spring 2022

Fall 2020

Career & Research

Fall 2021

Transfer & Campus Visits



Think of us as your
STEM Coach!

STEMAcademy@hcc.edu

Unique Pathways and Programs

Biotechnology



MasTEACH



<https://www.aaas.org/news/experts-seek-boost-knowledge-and-allies-teaching-stem>

What is Biotechnology?

Biotechnology is the use of living organisms or systems to make a variety of products.



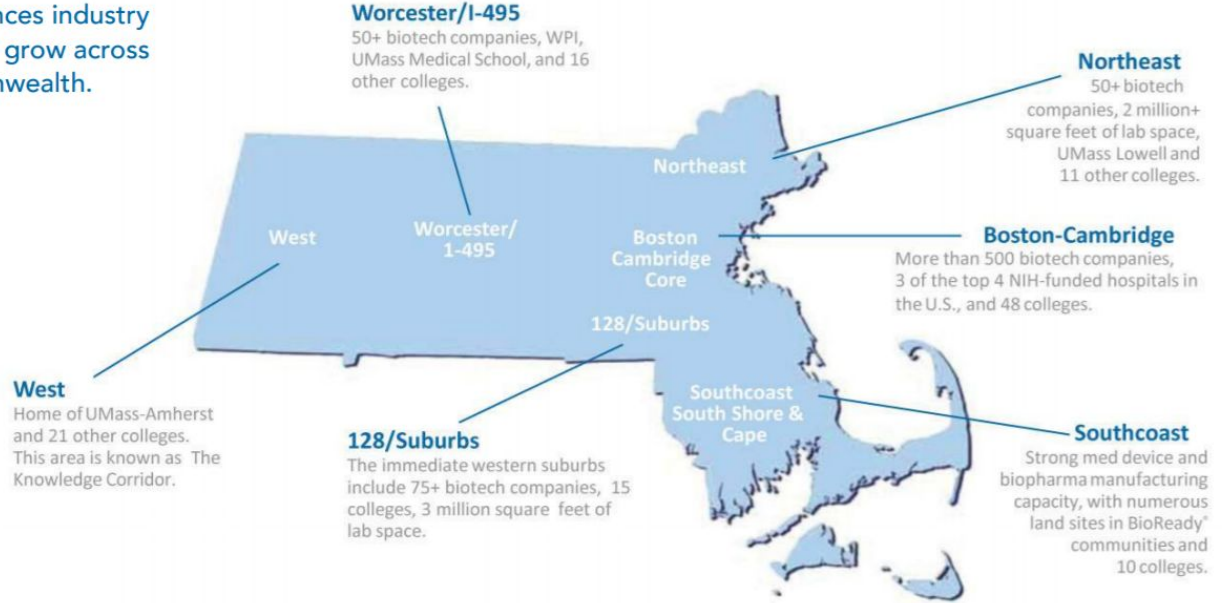
Why Study Biotechnology?

Job
Opportunities

Competitive
Salaries

Help Others!

The life sciences industry continues to grow across the Commonwealth.



MassTEACH

What do Data and Research tell us About
Student and Teacher
Diversity in Massachusetts?

40%
students
of color

Massachusetts
students are
increasingly
diverse...
but our educators
are not.

8%
teachers
of color

Background

Students studying a **STEM field** at a Massachusetts community college and are interested in teaching should consider applying to **MassTeach**. Students who are selected to be **MassTeach Scholars** will be part of a program with other people in MassTeach. As a group, Scholars receive advising, testing support, tutoring, and be part of a community. MassTeach Scholars will receive **\$10,000 each year** for their efforts during the 3rd and 4th year of university.

MassTEACH

- Passion for STEM (science, and for teaching)
- Minimum GPA of 2.7
- On pathway to transferring to partner state university
- Students who have earned less than 45 credits can apply as early admits. Students who are accepted as early admits will still need to complete their Associate's degree requirements before joining the MassTeach program.

At HCC:

Selected free courses, advising and mentoring

CONTACT:

ILEANA VASU ivasu@hcc.edu

APRIL GRAZIANO agraziano@hcc.edu

The NSF S-STEM Scholarship

- The National Science Foundation offers HCC scholarship for STEM (1 Million \$ for 5 years)
- Full Time \$6,500 per yr
- Part Time \$3,250 per yr
- Seminars, discussions, internship opportunities, guest speakers, personal projects and more!!
- Over 100 scholarships over 2 cycles of NSF



Success Stories!

Noah: Gateway to College program, STEM Starter Academy class, STEM Scholar, Brookhaven National Laboratories, and REU, Engineering at UMass



Kaishla: Holyoke High School, STEM Scholar, Green Key and Phi Theta Kappa honors societies, Chemistry at Elms College, FT job in Chemistry
Elms College

Sam: 54 in the Transition to College and Careers Program, STEM Starter Academy class, STEM scholar, planning to double major in Chemistry and Environmental Science UMass



Diane: Moved from Utah, STEM Scholar, graduated from HCC as valedictorian, math at UMass and tutor for the STEM Starter Academy at HCC, Financial company

Contacts

Director of STEM Starter Academy - Melissa Paciulli - mpaciulli@hcc.edu

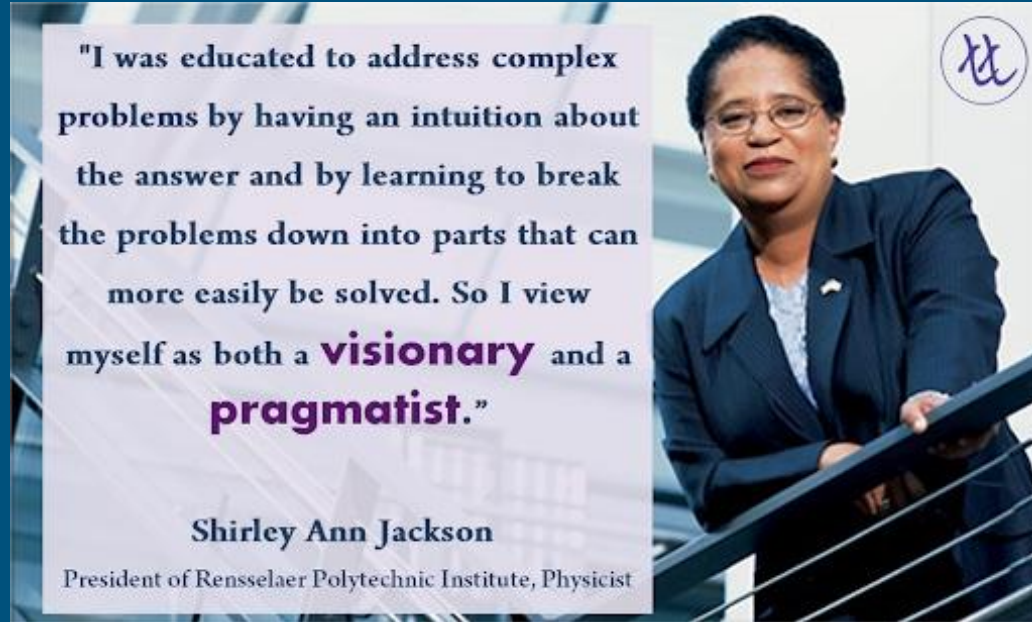
NSF Scholarship & MassTEACH - Ileana Vasu - ivasu@hcc.edu

Biotechnology Program Coordinator - Emily Rabinsky - erabinsky@hcc.edu

STEM Starter Career Advisor - Bemie Enyong - benyong@hcc.edu

Dean of STEM - Adrienne Smith - asmith@hcc.edu

Questions ?



Follow us on Twitter!
#STEMStarterAcademy