Holyoke Community College

Studying STEM at HCC!
Introduction

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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 (Fall 2020)
- Spring 2021
  - Career & Research
- Free Classes (Fall 2021)
- Spring 2022
  - Transfer & Campus Visits

Fall 2021
Spring 2022
Think of us as your STEM Coach!

STEMAcademy@hcc.edu
Unique Pathways and Programs

Biotechnology

MassTEACH

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!
MassTEACH

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

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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

HOW DO YOU APPLY?
Success Stories!

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

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

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

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

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

“I was educated to address complex problems by having an intuition about the answer and by learning to break the problems down into parts that can more easily be solved. So I view myself as both a visionary and a pragmatist.”

Shirley Ann Jackson
President of Rensselaer Polytechnic Institute, Physicist

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