

## 2024 MA STEM Week Events at Middlesex Community College

### Science Department Meet and Greet

**Tuesday, October 15<sup>th</sup> from 3:00 pm - 4:00 pm**

**Location: Cowan Center (LC 214), Lowell Campus Building**

Virtual Zoom link: <https://middlesex-mass-edu.zoom.us/j/98835860246>

Interested in STEM? Join the Science Faculty for Introductions, conversations, and refreshments.

**Contact:** Sophia Kazanis ([KAZANISS@middlesex.edu](mailto:KAZANISS@middlesex.edu)) for any questions



### STEM Starter Academy: Celebrating 12 Years of Empowering Students & Strengthening Industry

**Wednesday, October 16<sup>th</sup> from 10:00 am - 11:00 am**

**Zoom:** <https://us02web.zoom.us/j/85748288760>



The Commonwealth's Secretary of Education, Dr. Patrick Tutwiler, and Commissioner of Higher Education, Dr. Noe Ortega, will be joined by students and industry partners, as they share their experiences with STEM Starter Academy. Learn about the success of this initiative over the last 12 years and the impact it has had on the Massachusetts STEM pipeline.

**Contact:** Sean Kenney ([KENNEYS@middlesex.edu](mailto:KENNEYS@middlesex.edu)) for questions or more information

**Monday, October 21<sup>st</sup> from 12:00 pm - 1:00 pm**

### Middlesex STEM Transfer Panel

**Location: Zoom**

<https://middlesex-mass-edu.zoom.us/j/97249373867?pwd=NILr6v5jE7kLWHJEgg0biEVSemjIU6.1>

Meeting ID: 972 4937 3867      Passcode: 524139

Thinking about transferring to a four-year institution after graduation? Attend this event to hear tips and lessons from Middlesex STEM alumni that have been through the process. These panelists are currently studying at both public and private four-year colleges in MA. Bring your questions!

**Contact:** Nick Cloutier ([CLOUTIERN@middlesex.edu](mailto:CLOUTIERN@middlesex.edu)) or Russ Olwell ([KENNEYS@middlesex.edu](mailto:KENNEYS@middlesex.edu)) for questions or more information

**Wednesday, October 23<sup>rd</sup> from 3:00 pm - 4:00 pm**

### Biotechnology Facility Tour

**Location: 5<sup>th</sup> Floor Talbot Building, Middlesex Community College**

Middlesex Community College runs a two-year biotechnology degree program and certificate and Learn and Earn (microcredential) that produce the largest number of biotechnology technician community college graduates in the State. The program runs in a highly renovated \$4.5 million facility with 6,900 square feet for laboratory and classroom use. This space opened in the fall 2020. Program offerings include an associate's degree in biotechnology and a biotechnology technician certificate. This program serves approximately 47% minority students as well as adult learners, veterans, early college students, and those looking for career retraining or workforce reentry.



**Contact:** Mariluci Bladon ([BLADONM@middlesex.edu](mailto:BLADONM@middlesex.edu)) for questions or more information

**Tuesday, October 22<sup>nd</sup> from 2:30 pm - 4:00 pm**  
**MCC Student Math League – Practice**  
**Location: North Academic 211, Middlesex Community College**

**Tuesday, October 29<sup>th</sup>, from 2:30 pm - 4:00 pm**  
**MCC Student Math League – Competition**  
**Location: North Academic 211, Middlesex Community College**

You are invited to help represent Middlesex in a national competition!

Prizes will be awarded to the top five Middlesex scorers after the fall and spring tests, and the top Middlesex scorer will receive \$100 from the New England Mathematics Association of Two-Year Colleges. The national AMATYC top scorer prize is a \$3,000 scholarship!

The test consists of 20 multiple choice questions. Many questions assume a knowledge of precalculus mathematics: algebra, trigonometry, geometry, and probability. However, many of the questions are more like puzzles, and can be solved with a minimal knowledge of college level mathematics. Any scientific or graphing calculator that does not have a qwerty keyboard can be used during the competition.

For more information, contact Aisha Arroyo ([arroyoa@middlesex.edu](mailto:arroyoa@middlesex.edu)) in Bedford or Tonka Zelenkova ([zelenkovat@middlesex.edu](mailto:zelenkovat@middlesex.edu)) in Lowell.

**\* Event for MCC Community Only**

**Monday, November 4<sup>th</sup> from 6:00 pm - 8:00 pm**  
**Engineering Panel Night**  
**Location: Bedford Café East**

Imagine a career in engineering! Our Panel of engineering professionals will share information about their different specialties, educational backgrounds and work experiences – and answer your questions during a Q&A session.

Dinner & Refreshments Provided

Online registration required: <https://middlesex.campuslabs.com/engage/submitter/form/start/609046>

Contact Cristopher Algarra ([algarrac@middlesex.mass.edu](mailto:algarrac@middlesex.mass.edu))

Find  $|a - b|$  if  $a$  and  $b$  are the two real solutions to  $(f \circ f \circ f)(x) = 1$  for  $f(x) = 2x^2 + 28x + 91$ .

Let  $x, y, z$  be positive integers such that  $x^2 + y^2 + z^2 = 2017$ . Find  $x + y + z$ .

An isosceles triangle has two sides of length 40 and a base of length 48. A circle circumscribes the triangle. What is the radius of the circle?

