Division of Science, Technology, Engineering, and Mathematics

Engineering (AS) | Electrical & Computer Engineering (AS)

Mechanical & Industrial Engineering (AS)

This program prepares students to demonstrate the full array of MassBay Community College graduation competencies and transfer to an Engineering four-year program or gain employment in the engineering industry. By completing all program requirements, the program provides students with skills to continue their engineering education or gain employment as a designer or a technician

Successful graduates will be able to:

1. Apply principles of mathematics, science, or engineering to solve foundational discipline-relevant problems.
2. Apply engineering design principles to propose solutions to well-defined engineering problems.
3. Communicate technical information effectively to a range of audiences.
4. Demonstrate professional conduct in laboratory and classroom settings, including proper use of Engineering tools and adherence to safety protocols.
5. Contribute effectively as a member of a team to plan tasks, share responsibilities, and meet objectives.
6. Conduct appropriate experimentation, analyze and interpret data, and draw supported conclusions.
7. Identify and use appropriate resources to acquire new knowledge and develop technical skills.