

# MECHANICAL ENGINEERING TECHNOLOGY PROGRAM

## ASSOCIATE OF APPLIED SCIENCE

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### ABSTRACT:

The overarching goal of the project is to align training and degree programs with the needs of high growth industries. Students will benefit from clearly articulated and cost-effective pathways toward achieving an MET bachelor's degree. Required skills have been identified and emphasized through an advanced manufacturing industry collaboration forum and a curriculum development conference. These efforts will result in a seamless program of associate and bachelor's degrees with stackable certificates.

### GOALS AND OBJECTIVES

- To strengthen an Engineering Technology Program serving the southern New Jersey region
  - Highlight technical and non-technical skills aligning with industry needs
  - Develop an applications library (real examples of STEM principles) as a faculty resource
  - Strengthen career pathways with industry partners, other institutions of higher education and secondary schools
- To serve as a conduit for the creation of programs and pathways that address unmet training needs and the needs of emergent high growth industries
  - Create a new academic program in Advanced Manufacturing (A.A.S. degree and stackable certificates)
  - Establish an Advanced Manufacturing training facility

### WHAT HAS BEEN DONE

- Industry Forum
- Technology Conference
- Industry Advisory Board
- Approved degree program
- First cohort



### WHAT NEEDS TO BE DONE

- Program marketing
- Applications library database
- Facility design/equipment
- Articulation agreements
- Stackable certificates/pathways
- Outreach activities
- Career readiness efforts



### CURRICULUM INNOVATION



### RCBC AND ROWAN UNIVERSITY COLLABORATE ON A 3+1 DEGREE

- The MET program will be added to RCBC's growing list of associate degree programs which allow students to seamlessly transfer into Rowan University's and other institution's bachelor's degree programs
- The B.S. program will provide both programming and location continuity as all courses, facilities and faculty will be located on RCBC's main campus
- The 3+1 program will provide access to the first 3 years of the MET degree to be completed with RCBC faculty and the fourth year with Rowan University faculty

### WHAT IS MECHANICAL ENGINEERING TECHNOLOGY?

The Associate of Applied Science degree in Mechanical Engineering Technology is designed to provide a high-quality educational opportunity that prepares students to achieve career goals in the advanced technology fields.

#### POPULAR CAREER CHOICES:

Mechanical engineering technology careers focus on finding solutions to problems related to the operation of systems, tools and machines.

### WHY CHOOSE MECHANICAL ENGINEERING TECHNOLOGY AT ROWAN COLLEGE AT BURLINGTON COUNTY?

- 2017 median pay for a mechanical engineering technologist was \$55,360
- Job openings for this field are projected to grow by 5% over the next 10 years
- Completing an associate degree is a good preparation for a bachelor's degree
- Seamlessly transfer to Rowan University through a future 3+1 program

### TIMELINE

