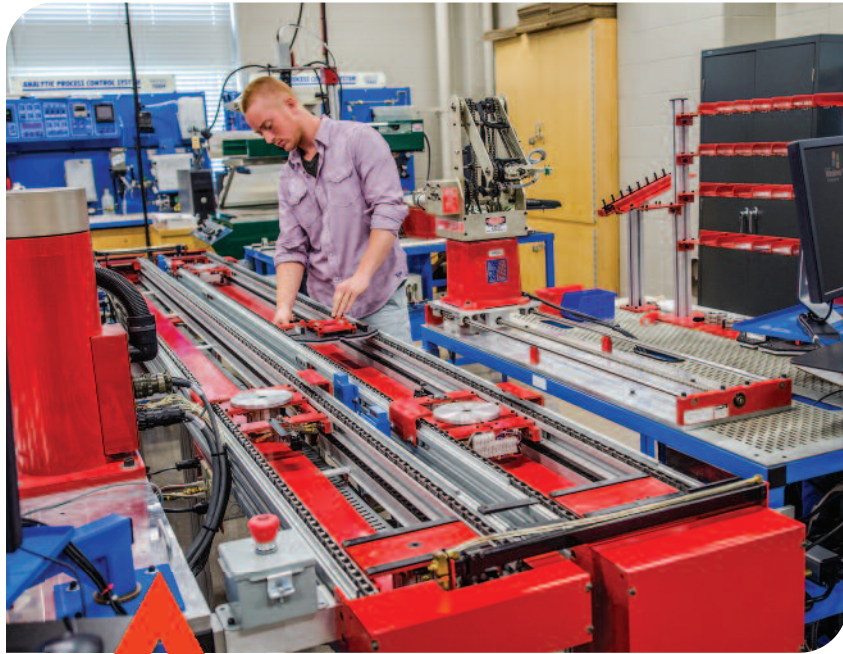


# ENGINEERING & AUTOMATION TECHNOLOGY

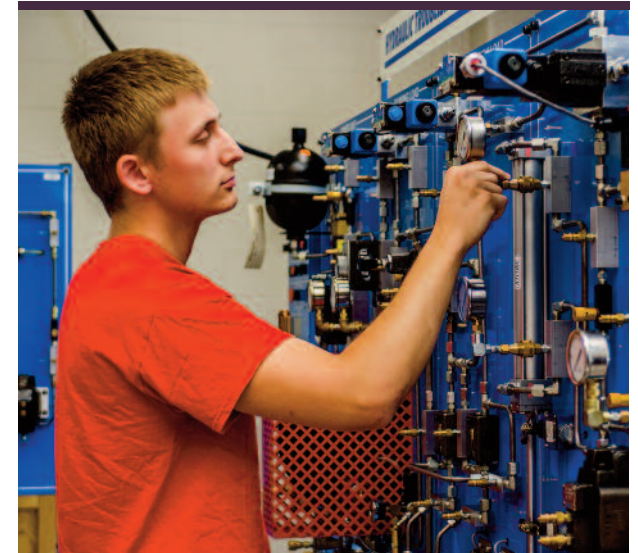


## career pathways

Pre-Electromechanical Technician  
Pre-Industrial  
Engineering Technician  
Installation, Maintenance,  
and Repair Workers  
Industrial Machinery Mechanics  
Industrial Maintenance  
and Repair Mechanic  
Maintenance Mechanic

## student certifications

Pennsylvania Skills Certificate  
AMIST Certification - Level 1 & 2  
CareerSafe – OSHA Card



PARTNERSHIP WITH RMCTC & RACC



610-921-7300  
[www.rmctc.org](http://www.rmctc.org)

# TAKE THE FAST TRACK 2 RACC

ENGINEERING & AUTOMATION  
TECHNOLOGY →  
MECHATRONICS ENGINEERING  
TECHNOLOGY

Reading  
Muhlenberg  
CAREER & TECHNOLOGY CENTER



# TAKE THE FAST TRACK TO RACC

## ENGINEERING & AUTOMATION TECHNOLOGY TECHNICAL ACADEMY

Through the Technical Academy, an innovative partnership with Reading Area Community College, RMCTC students have the opportunity to develop advanced skills and earn credits toward a college degree while still in high school.

### HOW THE TECHNICAL ACADEMY WORKS

- Students enroll at RMCTC and RACC for grades 10, 11, and 12.
- During the first two years of the program, students may complete up to five college courses while attending class at RMCTC, earning up to 17 college credits.
- In the third year of the program, instead of spending half of their school day at RMCTC, students attend classes on the RACC campus. They may take three courses, earning up to twelve additional college credits.

### IMPORTANT BENEFITS

- Students may earn up to 29 college credits while still in high school.
- College credits earned at RMCTC are tuition free.
- Tuition for the courses taken on RACC's campus may be partially or fully subsidized by outside funding.
- Students may also earn industry certifications while preparing for jobs that are in high demand.

## MECHATRONICS ENGINEERING TECHNOLOGY DEGREE

(RMCTC'S ENGINEERING & AUTOMATION TECHNOLOGY STUDENTS)

The following courses are part of RACC's Mechatronics Engineering Technology program of study and may be taken for articulated credit at RMCTC. The courses students may take at RACC in the 12th grade are indicated with an asterisk.\*

IFT	110	Microcomputer Applications	3 credits
MET	101	Introduction to Shop Machinery	3 credits
MET	120	Industrial Mechanics I	5 credits
MET	130	Industrial Electrical Systems	4 credits
MET	140A	Introduction to PLCs – Part 1	2 credits
MET	140B	Introduction to PLCs – Part 2	2 credits*
MET	150	Industrial Mechanics II	6 credits*
MET	160	Rotating Electrical Machines	4 credits*

**Total Credit Hours Available for RMCTC Students 29 credits**

*After completion of the eight courses, students shall earn the AMIST Level 1 and Level 2 industry certifications.*

### STUDENT ENTRANCE REQUIREMENTS

- Students must be in Grades 10 or 11 to begin a program in the Technical Academy.
- 3.0 GPA
- Keystone Test Proficiency
- To remain in the program, students must complete a college prep academic sequence throughout high school.
- Students must successfully complete RACC placement testing prior to taking courses on the RACC campus.



COURSE OF STUDY WHILE IN HIGH SCHOOL

TAKE THE FAST TRACK 2 RACC

ENGINEERING & AUTOMATION TECHNOLOGY MECHATRONICS ENGINEERING TECHNOLOGY



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