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
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.*

<table>
<thead>
<tr>
<th>COURSE</th>
<th>CODE</th>
<th>TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>FTF</td>
<td>110</td>
<td>Microcomputer Applications</td>
<td>3 credits</td>
</tr>
<tr>
<td>MET</td>
<td>101</td>
<td>Introduction to Shop Machinery</td>
<td>3 credits</td>
</tr>
<tr>
<td>MET</td>
<td>120</td>
<td>Industrial Mechanics I</td>
<td>5 credits</td>
</tr>
<tr>
<td>MET</td>
<td>130</td>
<td>Industrial Electrical Systems</td>
<td>4 credits</td>
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<tr>
<td>MET</td>
<td>140A</td>
<td>Introduction to PLCs – Part 1</td>
<td>2 credits</td>
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<tr>
<td>MET</td>
<td>140B</td>
<td>Introduction to PLCs – Part 2</td>
<td>2 credits*</td>
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<tr>
<td>MET</td>
<td>150</td>
<td>Industrial Mechanics II</td>
<td>6 credits*</td>
</tr>
<tr>
<td>MET</td>
<td>160</td>
<td>Rotating Electrical Machines</td>
<td>4 credits*</td>
</tr>
</tbody>
</table>

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.