



Quality Engineering Technology

ASSOCIATE DEGREE

Program Code: 10-623-9

Downtown Milwaukee Campus

Students prepare to become leaders who ensure that products and services meet performance standards and customer expectations in a wide range of industries. This program teaches problem-solving techniques to reduce waste, eliminate defects and reduce variation in any process.

Career Outlook

With the growing focus on operational excellence in all industries, well-trained, critical thinking leaders are in high demand.

This program features exploratory courses that count toward a credential. Contact an MATC advisor for information.

Program Learning Outcomes

- Apply Lean and Six Sigma Methodologies
- Apply statistical tools to drive process improvement and to characterize process performance and product and service quality
- Apply the tools of continuous improvement, problem solving, root cause analysis and corrective action
- Demonstrate quality audit principles
- Demonstrate measurement and inspection skills

Admission Requirements

- A high school diploma or GED
- One year of high school-level algebra



STEM
MILWAUKEE AREA *Technical College*

matc.edu | 414-297-MATC

Start dates: August and January

**For complete information, go to
matc.edu/course-catalog/stem**

To apply for financial aid, visit fafsa.gov School Code: 003866

COURSES

Credits

| | |
|--------------------|--|
| ENG-195 | Written Communication ‡ 3 (or) ENG-201 English 1 ‡ |
| MCDESG-114 | SolidWorks 1 2 (or) MCDESG-133 Inventor 1 (or) MCDESG-135 PTC Creo (Pro/E) 1 |
| QETECH-116 | Engineering Economic Analysis 3 |
| QETECH-138 | Introduction to Quality Engineering ‡ 3 |
| SOCSCSI-197 | Contemporary American Society 3 (or) Any 200-level HIST or SOCSCSI course |
| BADM-104 | Business Statistics ‡ 3 |
| ENG-196 | Oral/Interpersonal Communication ‡ 3 (or) Any 200-level ENG or SPEECH course |
| MATH-115 | College Technical Mathematics 1 ‡ 5 (or) MATH-201 College Algebra ‡ |
| MATH-116 | College Technical Mathematics 2 ‡ 4 (or) MATH-202 Trigonometry ‡ |
| MTRLS-105 | Statistical Process Analysis 2 |
| ECON-195 | Economics 3 (or) Any 200-level ECON course |
| ELECTIVES | (ENTREP-101) 3 |
| QETECH-188 | Project Management 3 |
| PSYCH-199 | Psychology of Human Relations 3 (or) Any 200-level PSYCH course |
| QETECH-118 | Lean Principles 3 |
| QETECH-132 | Six Sigma Green Belt 1 ‡ 3 |
| LOGMGT-146 | Operations Management 3 |
| QETECH-134 | Six Sigma Green Belt 2 ‡ 3 |
| QETECH-142 | Six Sigma Green Belt Project ‡ 3 |
| QETECH-144 | Supplier Quality Assurance ‡ 3 |

TOTAL CREDITS: 61

‡ Prerequisite required.

Curriculum requirements for this Associate in Applied Science program are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

Possible Careers

- Quality Analyst
- Quality Assurance Technician
- Quality Inspector
- Quality Manager
- Quality Supervisor

Related Program

- Mechanical Design Technology



10% Post Consumer Recycled



matc.edu or **414-297-MATC**
 Wisconsin Relay System 711

Downtown Milwaukee Campus
 700 West State Street

Mequon Campus
 5555 West Highland Road

Oak Creek Campus
 6665 South Howell Avenue

West Allis Campus
 1200 South 71st Street

**MATC Education Center
 at Walker's Square**
 816 West National Avenue, Milwaukee