

Quality Technician

Associate of Applied Science (AAS) Degree

Technical Credits..... 45

MnTC General Education Credits.. 15

Total Credits 60

Program Information

This program is designed to train student in the tools and processes used to ensure the quality of finished goods and products. Graduates of this degree will have the skills necessary to be employed as a quality assurance technician in a variety of manufacturing sectors. With completion of this degree students will also obtain 15 Minnesota Transferable Credits meeting three different goal areas.

Program Learning Outcomes

- Demonstrate document control skills.
- Competently utilize tools to inspect finished goods of any kind.
- Ensure quality within the supply chain for consumer safety.
- Analysis of collected data.
- Create and maintain inspection documentation.
- Interact professionally with coworkers.
- Interpret engineering drawing utilizing Geometric Dimensioning and Tolerancing.
- Understand basic manufacturing practices.
- Knowledgeable in regulatory standards and requirements.
- Able to work in a management team.
- Creating a quality management system.
- Calibration of measurement gauging.
- Creation and requisitioning on measurement fixtures.
- Analysis of Statistical Data for Process control.
- Create metrics of cost of quality.
- Have an ethical foundation of the importance of quality management.
- Able to identify continuous improvement opportunities.

Industry and Career Outlook

This field is under-represented in higher education and no program has the required skills in statistical analysis. Quality Technicians are the individuals who assure that the quality of manufactured products meet the requirements of the customer and regulatory bodies. Quality technicians work in clean, environmentally controlled areas with regulated temperature and humidity to ensure part consistency. This is a mid-level position in the field with large opportunity for advancement and increased wage growth.

Wage information is available from the [Minnesota Department of Employment and Economic Development](#).

Certifications

Upon completion of this degree, students will be able to competently use tools and processes utilized in industry for the inspection of finished goods. Students completing the AAS degree combined with experience in the field will also be able to test for the American Society of Quality (ASQ) Certification for a Quality Technician.

Program Start Dates

Fall Semester.....August

Course Prerequisites

Some courses in this program may require a prerequisite. Please see [course descriptions](#) for more details.

MnTC General Education Requirements

This program requires completion of the following fifteen credits of general education from at least three goal areas of the Minnesota Transfer Curriculum (MnTC). Refer to the [MnTC course list](#) for elective courses:

- ENGL 2105 Business and Technical Writing (Goal 1&2)..... 4
- MATH 1550 Introduction to Statistics (Goal 4)..... 4
- SPCH 1200 Interpersonal Communications (Goal 1&7) 3
- MnTC Elective 4

Program Sequence

Fall Semester	15
<input type="checkbox"/> ADSC 1171 Microsoft Excel	2
<input type="checkbox"/> ENGL 2105 Business & Technical Writing	4
<input type="checkbox"/> MACH 1121 Metrology	2
<input type="checkbox"/> MACH 1132 Blueprint Reading	3
<input type="checkbox"/> MATH 1550 Introduction to Statistics	4
Spring Semester.....	15
<input type="checkbox"/> MACH 1090 Machine Fundamentals	2
<input type="checkbox"/> MACH 1231 Blueprint Design/ CAD II	1
<input type="checkbox"/> MACH 1240 Geometric Dimensioning & Tolerancing	3
<input type="checkbox"/> QUAL 1200 Measurement & Test Equipment	4
<input type="checkbox"/> QUAL 1210 Quality Concepts & Assurance	2
<input type="checkbox"/> SPCH 1200 Interpersonal Communication	3
Fall Semester	15
<input type="checkbox"/> QUAL 2300 Applied GD&T Concepts	4
<input type="checkbox"/> QUAL 2310 Product & Process Control	2
<input type="checkbox"/> QUAL 2320 Gauging Calibration.....	4
<input type="checkbox"/> QUAL 2330 Quality Ethics	2
<input type="checkbox"/> QUAL 2340 Fixturing for Inspection	3
Spring Semester.....	15
<input type="checkbox"/> QUAL 2400 Process Performance Capability & Reliability	2
<input type="checkbox"/> QUAL 2410 Validation Documentation & Regulatory	3
Compliance	3
<input type="checkbox"/> QUAL 2420 Continuous Improvement	2
<input type="checkbox"/> QUAL 2430 Quantitative Methods & Tools.....	4
<input type="checkbox"/> MnTC Elective	4

Graduation Requirements

Students must earn a cumulative 2.0 GPA or higher to be eligible for graduation from this program.

Faculty Contact

[Matt Rogers](#) 763-576-4088

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Quality Inspector certificate



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