

CURRICULUM STANDARD

Effective Term
Fall 2003
[2003*03]

Curriculum Program Title

Manufacturing Technology

Code

A5032B

Concentration

Quality Assurance

Curriculum Description

Quality Assurance is a concentration under the curriculum title of Manufacturing Technology. This curriculum is designed to prepare individuals for employment in a variety of businesses and industries as entry-level quality technicians or to obtain specific skills in quality control or quality assurance.

Course work includes training in communication skills, mathematics, and all areas of quality management. Courses include statistics, statistical process control, quality systems auditing, ISO 9000, and quality manual preparation.

Graduates should be prepared to take the American Society for Quality Control Certified Quality Technician exam. They will have broad knowledge of modern quality systems and techniques as currently practiced today in business and industry.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 23 NCAC 02E.0204 (3)]

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit (SHC)	64-76	36-48	12-18

**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

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<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i></p> <p>ATR, BPR, BUS, CIS, COE, CSC, DFT, ELC, ELN, FUR, HYD, ISC, MAC, MEC, OMT, PLA, TEX, and WLD</p> <p><i>Foreign language courses (including ASL) that are not designated as approved other major hours may be included in all programs up to a maximum of 3 semester hours of credit.</i></p>			
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