

CURRICULUM STANDARD

Effective Term
Fall 1998
[1998*03]

Curriculum Program Title

Pulp and Paper Technology

Code

A50430

Concentration

(not applicable)

Curriculum Description

This curriculum program is designed to prepare individuals for careers in pulp and paper manufacturing and related industries. Instruction includes operations, maintenance and business fundamentals needed to operate, maintain and trouble shoot pulp and paper equipment and processes.

Students should gain technical knowledge in stock preparation, sheet formation, sheet finishing, economics and regulatory issues, control and measuring devices, paper machines, pulping, woodyard operations, power generation, and chemical recovery. Practical application will be emphasized.

Upon completion of any level of this curriculum, graduates should gain the necessary skills and technical knowledge to qualify for employment or advancement in the pulp and paper 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

Major Hours

[ref. 23 NCAC 02E.0204 (3)]

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration** (if applicable). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. 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.

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	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE Required Courses PPT 110 Introduction to PPT 3 SHC PPT 115 Wood Science/Woodyard Ops. 3 SHC PPT 125 Pulping technology I 4 SHC PPT 210 Stock Preparation 4 SHC PPT 215 Paper Machine Wetend 4 SHC PPT 220 Paper Machine Dryend 3 SHC PPT 230 Control and Measuring Devices 3 SHC PPT 235 Economics and Reg Issues 2 SHC PPT 240 Chemical Recovery 3 SHC Required Subject Areas: None	29 SHC		
B. CONCENTRATION <i>(Not applicable)</i>			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> CIS, CHM, COE, ISC, PHY, and PPT <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>			