



PAPER AND CHEMICAL TECHNOLOGY

Associate in Applied Science Degree

Program Locations: Thomasville Campus

Length: Four Semesters

The Paper and Chemical Technology Program is designed to prepare students for entry level jobs in paper and chemical process industries.

This is a career program designed for students to go directly into the labor market upon completion. Although some of the courses in this program will transfer to four-year institutions, this program is not designed to be a transfer program of study; therefore, it is not subject to the terms and conditions of STARS.

AREA I: Written Composition	3 Total Hours
ENG 101 – English Composition I	3
AREA II: Humanities and Fine Arts	6 Total Hours
Choose one of the following: SPH 106 – Fundamentals of Oral Communication SPH 107 – Fundamentals of Public Speaking	3
Humanities and Fine Arts Elective: Choose one of the following ART 100 – Art Appreciation ART 203 – Art History I ART 204 – Art History II HUM 101 – Introduction to Humanities I HUM 102 – Introduction to Humanities II MUS 101 – Music Appreciation PHL 106 – Introduction to Philosophy PHL 206 – Ethics and Society REL 100 – History of World Religions REL 151 – Survey of the Old Testament REL 152 – Survey of the New Testament THR 120 – Theater Appreciation THR 126 – Introduction to Theater	3
AREA III: Natural Sciences and Mathematics	10 Total Hours
CIS 146 – Microcomputer Applications	3
Choose one of the following: MTH 100 – Intermediate College Algebra MTH 116 – Mathematical Applications	3
CHM 104 – Introduction to Inorganic Chemistry or Higher CHM 111 – College Chemistry I CHM 112 – College Chemistry II	4
AREA IV: History, Social, and Behavioral Sciences	3 Total Hours
Choose one of the following: ECO 231 – Principles of Macroeconomics ECO 232 – Principles of Microeconomics GEO 100 – World Regional Geography HIS 101 – Western Civilization I HIS 102 – Western Civilization II HIS 121 – World History I HIS 122 – World History II HIS 201 – United States History I HIS 202 – United States History II POL 200 – Introduction to Political Science POL 211 – American National Government PSY 200 – General Psychology PSY 210 – Human Growth and Development SOC 200 – Introduction to Sociology SOC 210 – Social Problems	3

AREA V: Pre-Professional, Major, and Elective Courses		46 Total Hours
IET 114 – Basic Electricity		3
IET 131 – Fluid Power Systems		3
ILT 108 – Introduction to Instruments and Process Control		3
INT 117 – Principles of Industrial Mechanics		3
INT 215 – Troubleshooting Techniques		3
PCT 120 – Pulp Manufacturing Technology		3
PCT 122 – Introduction to Process Technology		3
PCT 135 – Paper Manufacturing Technology		3
PCT 210 – Environmental Control Technology		3
PCT 221 – Unit Operations		3
PCT 231 – Statistical Process Control		3
WKO 110 – NCCER Core		3
ORI 101 – Orientation to College or WKO 107 – Workplace Skills Preparation		1
ELT, IET, ILT, INT, PCT, or WKO Electives: Choose three of the following.		9
PCT 105 – Process Technology I, Equipment PCT 132 – Paper and Chemical Processes PCT 142 – Industrial Processes PCT 154 – Technology & Science of Paper Recycling PCT 222 – Unit Maintenance ELT 115 – Residential Wiring Methods II ELT 232 – Advanced Programmable Controllers ELT 233 – Applied Programmable Controls IET 122 – Rotating Machinery and Controls ILT 110 – Advanced Industrial Process Control Tech. ILT 114 – Instrumentation Operation & Calibration ILT 115 – Advanced Industrial Controls ILT 166 -- Motors and Transformers I ILT 214 – Control and Troubleshooting Flow, Level, Temperature, Pressure and Level Processes ILT 215 – PLC Monitoring and Control of Instrumentation Process Variables ILT 218 – Industrial Robotics Concepts ILT 180 – Special Topics INT 106 – Elements of Industrial Mechanics INT 127 – Principles of Industrial Pumps and Piping Systems INT 132 – Preventive and Predictive Maintenance INT 134 – Principles of Industrial Maintenance Welding and Metal Cutting Techniques INT 153 – Precision Machining Fundamentals I INT 158 – Industrial Wiring I INT 161 – Blueprint Reading for Industrial Tech. INT 180 – Special Topics INT 222 - Special Topics INT 232 – Manufacturing Plant Utilities INT 291 – Cooperative Education WKO 106 – Workplace Skills		
Total Hours		68 SH