



COASTAL ALABAMA

COMMUNITY COLLEGE

MACHINE TECHNOLOGY

Associate in Applied Science Degree – AAS IE4

Program Locations: Atmore and Thomasville Campuses

Length: Four Semesters

The Machine Technology program is designed to help students exit the program with hands-on skill and knowledge recognized by industry partners as the key competencies to succeed in the field of machinist.

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

AREA V: Pre-Professional, Major, and Elective Courses		46 Total Hours
IET 131 – Fluid Power Systems		3
INT 117 – Principles of Industrial Mechanics		3
MTT 100 – Machining Technology I		6
MTT 129 – Lathe Operations		6
MTT 136 – Milling Operations		6
MTT 139 – Basic Computer Numerical Control		3
MTT 140 – Basic Computer Numerical Control Turning Programming I		3
MTT 141 – Basic Computer Numeric Control Milling Programming I		3
MTT 181 – Special Topics in Machine Tool Technology		3
MTT 182 – Special Topics in Machine Tool Technology		3
WKO 110 – NCCER Core		3
ORI 101 – Orientation to College or WKO 107 – Workplace Skills Preparation		1
Machine Technology Elective: Choose one of the following. ILT 180 – Special Topics INT 106 – Elements of Industrial Mechanics INT 127 – Principles of Industrial Pumps and Piping Systems INT 132 – Preventative & Predictive Maintenance INT 161 – Blueprint Reading for Industrial Technicians INT 215 – Troubleshooting Techniques INT 222 - Special Topics INT 291 – Cooperative Education WKO 106 – Workplace Skills		3
Total Hours		61 SH