



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 Alabama Transfers state transfer and articulation reporting system.

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 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
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 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

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