MACHINE TECHNOLOGY CONCENTRATION
INDUSTRIAL ENGINEERING TECHNOLOGY

Associate in Applied Science Degree

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

AREA I	**WRITTEN COMPOSITION**	**3 SH**
ENG 101	English Composition I	3
AREA II	**HUMANITIES AND FINE ARTS**	**6 SH**
Humanities Electives	ART 100, MUS 101, PHL 200, PHL 206, REL 151, or REL 152	3
SPH 107	Fundamentals of Public Speaking	3
AREA III	**NATURAL SCIENCES AND MATHEMATICS**	**9-10 SH**
MTH 116 or MTH 100	Mathematical Applications or Intermediate College Algebra	3
CIS 146	Microcomputer Applications	3
Elective	MTH, SCI, CIS 130, or CIS 147	3-4
AREA IV	**HISTORY, SOCIAL, AND BEHAVIORAL SCIENCES**	**3 SH**
Elective	ANT, ECO, GEO, HIS, POL, PSY, or SOC	3
AREA V	**PRE-PROFESSIONAL, MAJOR, AND ELECTIVE COURSES**	**46 SH**
IET 114	Basic Electricity	3
IET 131	Fluid Power Systems	3
INT 106	Elements of Industrial Mechanics	3
INT 117	Principles of Industrial Mechanics	3
MTT 108	Machine Handbook Functions I	3
MTT 121	Basic Print Reading for Machinist	3
MTT 134	Lathe Operations I	3
MTT 135	Lathe Operations I Lab	3
MTT 137	Milling I	3
MTT 139	Basic Computer Numerical Control	3
MTT 140	Basic Computer Numerical Control Turning Programming I	3
MTT 147	Introduction to Machine Shop I	3
MTT 148	Introduction to Machine Shop I Lab	3
Electives	ACR, ELT, IET, ILT, or INT	3
WKO 107 or ORI 101	Work Place Skills Preparation or Orientation to College	1
WKO 110	NCCER Core	3
Total Hours		**67-68 SH**

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.