

Name: _____

ID: _____

Date: _____

Counselor Contact: _____

Major Requirements: 18 units
A grade of “C” or better is required in the following courses

ASSOCIATE IN SCIENCE (F.8994.AS)	C-ID	Units	Completed	In Progress	Planned
AT 10, Technical Computer Applications		3			
CADD 16, 3D Solid Modeling I		3			
WELD 1, Exploring Welding/Metal		3			
Recommended Electives (9 units minimum):					
AT 21, Occupational Safety and Health		2			
AUTOT 9, Automotive Essentials		3			
CADD 14, 2D CAD I		3			
CAM 5, CNC Operation & Maintenance for Machinist		2.5			
CAM 10, CNC Mill Programming & Operation I		4			
DRAFT 12, Drafting Practices		3			
ENGR 10, Introduction to Engineering		2			
ENGR 11, Manufacturing Processes		3			
EST 50, Introduction to Electrical Systems Technology		2			
EST 51, Direct Current Fundamentals of Electronics		3			
EST 52, Alternating Current Fundamentals		3			
EST 53, Lab Safety Practices		2			
EST 54, Integrated Devices		3			
EST 55A, Digital Concepts		3			
EST 56B, Motor Controls		3			
EST 58, Programmable Logic Controllers		3			
EST 59, Instrumentation Systems		3			
EST 60, A+ PC Maintenance and Repair		3			
EST 61, Networking Fundamentals		3			
EST 62, Commercial & Industrial Networking		3			
WELD 2A, Introduction to Welding Technology		6			

Notes:

1. This degree is designed for students that have a desire to learn about the different subject areas within the Applied Technology Division. A student could also transfer to a four-year university and earn a Bachelor of Science degree in Industrial Technology.
2. Some of the above courses may have prerequisites. See the catalog or schedule of classes.
3. The Associate Degree requires completion of the major (18 units) with a “C” or better grade in each course. Students must complete one of the three different general education patterns: option 1 – Fresno City College

General Education, option 2 – CSU GE Breadth– California State University General Education, OR option 3 – IGETC – Intersegmental General Education Transfer Curriculum for a total of **60 semester units minimum** with a 2.0 or better GPA.