

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	ENGR 110	2			
ENGR 11, Manufacturing Processes		3			
EST 50, Introduction to Electrical Systems Technology		3			
EST 51, Direct Current Fundamentals of Electronics		3			
EST 52, Alternating Current Fundamentals		3			
EST 53, Lab Safety Practices		2			
EST 54, Semiconductor 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:

- 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.
- Some of the above courses may have prerequisites. See the catalog or schedule of classes.
- 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.