

**INSTRUMENT AND ELECTRICAL TECHNICIAN
ASSOCIATE OF APPLIED SCIENCE****ADVISING WORKSHEET 2025-2026**

Jacket Student Central
Phone: 406-247-3019
Fax: 406-247-3095

Name _____

Student ID _____

Course	Credits	Grade	Semester	Equivalent
Recommended Preparatory Courses				

Required Preparatory Courses				

General Education Requirements

CAPP	120	Introduction to Computers	3			
COMX	106	Communicating in a Dynamic Workplace	3			
M	114	Extended Technical Mathematics	3			
WRIT	121	Intro to Technical Writing	3			
or						
WRIT	122	Intro to Business Writing				

Required Courses

DST	140	Introduction to Hydraulics	2			
DST	141	Introduction to Hydraulics Lab	2			
ELCT	241	Electric Motor Controls	4			
ELCT	250	Programmable Logic Controllers	3			
ETEC	193	Fund of Energy Technician II	4			
ETEC	284	Digital Electronics	4			
NTS	104	CCNA 1: Intro to Networks	3			
PPT	101	Fund of Process Technology	4			
PPT	102	Fund of Process Technology Lab	1			
PPT	130	Process Diagrams for Proc Tech	2			
PPT	135	Instrument & Control Systems	4			
PPT	136	Instrument & Controls Lab	1			

PPT	151	Process Plant HSE I	2			
PPT	161	Process Plant HSE II	2			
PPT	208	Equipment & Operations Lab	2			
PPT	210	Equipment & Operations	4			
TRID	185	Introduction to Industrial Power Systems	3			
TRID	186	Introduction to Industrial Power Systems Lab	1			

TOTAL MINIMUM CREDITS REQUIRED 60

A grade of "C" or higher is mandatory in all required courses

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
M 114	3	CAPP 120	3
PPT 101	4	PPT 135	4
PPT 102	1	PPT 136	1
PPT 130	1	PPT 161	2
PPT 151	2	PPT 208	2
TRID 185	2	PPT 210	<u>4</u>
TRID 186	<u>3</u>	TOTAL	16
TOTAL	16		

Third Semester	Credits	Fourth Semester	Credits
DST 140	2	COMX 106	3
DST 141	2	ELCT 250	3
ELCT 241	4	ETEC 284	4
ETEC 193	4	NTS 104	<u>3</u>
WRIT 121 or 122	<u>3</u>	TOTAL	13
TOTAL	15		

Transcript evaluation (if applicable completed) by: _____ on _____

Program Specific Information

- Math, writing and other general education courses such as CAPP 120, COMX 106, and BGEN 105 can be completed in advance of the technical courses.
- The technical portion of the program is a fall semester start only.
- Instrument & Electrical Technician graduates will find career opportunities in a variety of industries including oil refineries, natural gas processing, power plants, water treatment, food processing, and sustainable energy.
- Students that earn an AAS degree and want to further their education thus career; are able to go on for a Bachelor of Applied Science degree through MSUB. There are various thematic concentrations that a student can focus on to earn a BAS degree, one of which is Business. Contact Jacket Student Central or contact MSUB Advising Center at 406-657-2240 for further details.