



**INSTRUMENT AND ELECTRICAL TECHNICIAN
ASSOCIATE OF APPLIED SCIENCE**

ADVISING WORKSHEET 2023-2024

*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			
or						
M	121	College Algebra (preferred)	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	3			
ELCT	250	Programmable Logic Controllers	3			
ETEC	103	AC/DC/Electronics II	3			
ETEC	192	Fund of Energy Technician I	3			
ETEC	193	Fund of Energy Technician II	3			
ETEC	231	Electronic Drive Systems	3			
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	161	Process Plant Safety II	2			
TRID or PPT	150 151	Environ/Shop Practices Process Plant Safety I	2			
TRID	185	Introduction to Industrial Power Systems	2			
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
CAPP 120	3	ETEC 103	3
ETEC 192	3	ETEC 193	3
PPT 101	4	M 114	3
PPT 102	1	PPT 135	4
PPT 130	2	PPT 136	<u>1</u>
TRID 185	2	TOTAL	14
TRID 186	<u>1</u>		
TOTAL	16		

Third Semester	Credits	Fourth Semester	Credits
DST 140	2	COMX 106	3
DST 141	2	ELCT 250	3
ELCT 241	3	ETEC 284	4
ETEC 231	3	NTS 104	3
TRID 150 or PPT 151	2	PPT 161	<u>2</u>
WRIT 121 or 122	<u>3</u>	TOTAL	15
TOTAL	15		

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

Program Specific Information

- Before a student can take part in the required (technical) courses in I&E program, they must be at a math level of at least M 111 and a writing level of at least WRIT 104.
- The I&E program admits new cohorts in the fall of odd numbered years. Some courses are offered every other year.
- 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.