



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

ADVISING WORKSHEET 2021-2022

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

Name _____

Student ID _____

| Course | Credits | Grade | Semester | Equivalent |
|--|---------|-------|----------|------------|
| Recommended Preparatory Courses | | | | |
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|-------------------------------------|--|--|--|--|
| Required Preparatory Courses | | | | |
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General Education Requirements

| | | | | | | |
|--------------|-----|--------------------------------------|---|--|--|--|
| CAPP | 120 | Introduction to Computers | 3 | | | |
| COMX | 106 | Communicating in a Dynamic Workplace | 3 | | | |
| M or M | 114 | Extended Technical Mathematics | 3 | | | |
| 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 | 4 | | | |
| 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 | 150 | Environ/Shop Practices | 2 | | | |
| <u>Or</u> PPT | 151 | Process Plant Safety I | | | | |
| TRID | 185 | Introduction to Industrial Power Systems | 2 | | | |
| TRID | 186 | Introduction to Industrial Power Systems Lab | 1 | | | |

TOTAL MINIMUM CREDITS REQUIRED 61
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 | 1 |
| TRID 185 | 2 | TOTAL | 14 |
| TRID 186 | 1 | | |
| 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 | 4 |
| TRID 150 or PPT 151 | 2 | PPT 161 | 2 |
| WRIT 121 or 122 | 3 | TOTAL | 16 |
| 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.

2021-2022 AAS Instrument and Electrical Technician Plan of Study

Name _____

Student ID _____

Semester _____

Semester _____

| Course | Credits | Course | Credits |
|--------|---------|--------|---------|
| | | | |
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| | | | |
| | | | |
| | | | |
| | | | |

Fall _____

Spring _____

| Course | Credits | Course | 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 | 1 |
| TRID 185 | 2 | | |
| TRID 186 | 1 | | |
| Total | | Total | |

Fall _____

Spring _____

| Course | Credits | Course | Credits |
|---------------------|---------|--------------|---------|
| DST 140 | 2 | COMX 106 | 3 |
| DST 141 | 2 | ELCT 250 | 3 |
| ELCT 241 | 3 | ETEC 284 | 4 |
| ETEC 231 | 3 | NTS 104 | 4 |
| TRID 150 or PPT 151 | 2 | PPT 161 | 2 |
| WRIT 121 or 122 | 3 | | |
| | | | |
| Total | | Total | |

Number of earned credits that apply toward degree: _____

Number of credits left to earn for degree: _____

CERTIFICATION: The courses listed are **required** for the student's degree.

Advisor Signature: _____ Date: _____

Student Signature: _____ Date: _____