

Associate in Applied Science, Engineering Technology

Degree Type

A.A.S.

Student Learning Outcomes

Graduates of the Industrial Systems Technology Program (Electrical and Instrumentation Option) will be able to:

- Function as a competent entry-level engineering technician by demonstrating knowledge and skills retained from coursework. (ADM 150-154)
- Perform all tasks in a safe manner. (ADM 150-154)
- Exhibit a positive work ethic. (ADM 150-154)

Area I - Written Composition (3 Credits)

Item #	Title	Credits
ENG 101	ENGLISH COMPOSITION	3

Area II - Humanities and Fine Arts (6 Credits)

Item #	Title	Credits
	Speech Elective Group (ENT)	3
	Fine Arts Elective Group (AAS)	3

Area III - Natural Sciences & Mathematics (10 Credits)

Item #	Title	Credits
	Computer Science Requirement Elective Group (ENT)	3
	Mathematics Elective Group (ENT)	3
	Technical Physics or Numerically Higher Elective Group (ENT)	4

Area IV - History, Social, & Behavioral Sciences (3 Credits)

Item #	Title	Credits
	History, Social, & Behavioral Sciences Elective Group (AAS)	3

Area V - Pre-Professional, Major, & Elective Courses (51 Credits)

Item #	Title	Credits
ENT 106	PRINCIPLES OF ENGINEERING TECHNOLOGY	3
ENT 140	APPLIED STATICS	3
ENT 221	INDUSTRIAL QUALITY AND PRODUCTIVITY	3
ENT 222	INTRODUCTION TO PROJECT MANAGEMENT	3
ILT 160	DC FUNDAMENTALS	3
ILT 161	AC FUNDAMENTALS	3
INT 119	PRINCIPLES OF MECHANICAL MEASUREMENT AND TECHNICAL DRAWING	3
ENT 223	MATERIALS SELECTION	3
WKO 106	WORKPLACE SKILLS	3
	WKO Elective Group (ENT)	3
	Technical Cooperative Education	3

Solid Modeling Elective Sequence

Item #	Title	Credits
ADM 108	INTRO TO 3D MODELING	3
	3D Modeling Sequence Elective Group (ENT)	3

Advisor Approved Electives

Item #	Title	Credits
	Advisor Approved Elective Group (ENT-AAS)	12
<i>Can choose one course maximum from MDT 187, MDT 252; ADM 114; ADM 261</i>		
	Total Credits	73