

Industrial Electrical Technology Institutional and Program Outcomes Crosswalk and 7-Year Assessment Plan

- IO1 **Communication:** Students will be able to communicate clearly and effectively within a workplace context
- IO2 **Quantitative Reasoning:** Students will be able to reason mathematically using methods appropriate to the profession
- IO3 **Human Relations/Workplace Skills:** Students will be able to demonstrate teamwork, ethics, appropriate safety awareness, and/or workplace specific skills related to human relations
- PO4 Students will be able to apply electronic principals to electro-maintenance activities
- PO5 Students will be able to install electrical/electronic apparatus using appropriate techniques
- PO6 Students will be able to access controls automation logic equipment for monitoring and troubleshooting purposes
- PO7 Students will be able to demonstrate proper mechanical techniques to assemble/disassemble activities
- PO8 Students will be able to fabricate simple fixtures as situations generally require

NCBT: Not currently being taught

IST/IET	7-YEAR ASSESSMENT CROSSWALK & PLAN							
Course #	Course	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
	ASSESSMENT CYCLE YEAR	YR 5	YR 6	YR 7	YR 1	YR 2	YR 3	YR 4
	CAMPUS PLAN	IO3	IO3		IO1	IO1	IO2	IO2
IST 100	INTRO TO SAFETY/HEALTH	IO3						
IST 102	TECH DRAW INTERPRETATION				IO1			
IST 105	BASIC ELECTRICITY - DC		PO4					
IST 106	BASIC ELECTRICITY - AC		PO4					
IST 107	INDUSTRIAL ELECTRICITY I		PO4	PO5				PO5
IST 110	INTRO TO NATL ELECTRIC CODE		PO4	PO5				PO5
IST 111	NATL ELECTRIC CODE II		PO4	PO5				PO5
IST 112	NATL ELECTRIC CODE III		PO4	PO5				PO5
IST 113	IND ELECTRICAL INSTALL TECH		PO4	PO5				PO5
IST 120	INTRO TO PREVENT/PREDICT MAINT					PO7		
IST 130	INTRO TO REFRIGERATION/AIR COND					PO7		
IST 136	INTRO TO BOILER TECH					PO7		
IST 150	INTRO TO PLC				PO6			
IST 152	PROGRAMMABLE AUTO CONTROL				PO6			
IST 170	INTRO TO INSTRUMENTATION				PO6			
IST 180	MACHINING I					PO7/8		
IST 182	MACHINING II					PO7/8		
IST 184	MACHINING - SKILL ENHANCE					PO7/8		
IST 207	INDUSTRIAL ELECTRICITY II		PO4	PO5			PO4	
IST 208	INDUSTRIAL ELECTRICITY III		PO4	PO5			PO4	
IST 221	ELECTRONICS PRINCIPLES I		PO4	PO5			PO4	
IST 222	ELECTRONICS II		PO4	PO5			PO4	
IST 223	ELECTRONICS III INDUSTRIAL		PO4	PO5			PO4	
IST 270	INSTRUMENTATION II				PO6			
IST 280	MECHANICAL POWER TRANS					PO7		
IST 282	FLUID POWER TRANS					PO7		
IST 284	PUMPING HYDRAULICS/MECHANICS					PO7		
WLD 111	WELDING PROCESS I					PO8		
WLD 132	GAS TUNGSTEN ARC WELDING					PO8		

BUS 120	HUMAN RELATIONS	IO3						
CMST 100	HUMAN COMMUNICATIONS				IO1			
ENGL 109	APPLIED TECH WRITING				IO1			
FAD 150	INDUSTRIAL FIRST AID	IO3						
MAP 103	APPLIED MATH						IO2	
IST 141	INTRO TO MECHANIZED IRRIGATION	NCBT						
IST 142	MECHANIZED IRRIGATION APP II	NCBT						
IST 295/7	WORK-BASED LEARNING	NCBT						