

Industrial Engineering Technology Certificates 2025-26 Completion Check

All certificates require a minimum 2.0 GPA and all substitutions must be approved by the Program Chair.				
Basic Electrical Circuits & Computer Control			Total Credit Hours Required: 9	
Courses (9 Credits)	Credits	Grade	Semester	Notes
IET-1223 AC/DC Electrical Systems	3			
IET-1333 Electrical Relay & Computer Control	3			
IET-2113 Programmable Logic Controllers I	3			
Semiconductor Technician – Level 1			Total Credit Hours Required: 14	
Courses (9 Credits)	Credits	Grade	Semester	Notes
IET-1512 Blueprint Reading	2			
IET-1223 AC/DC Electrical Systems	3			
IET-1333 Electrical Relay & Computer Control	3			
IET-2113 Programmable Logic Controllers I	3			
IET-2613 Mechatronics	3			
Basic Machining			Total Credit Hours Required: 8	
Courses (8 Credits)	Credits	Grade	Semester	Notes
IET-1313 Machine Tool Practices or GS-1313 Machine Tool Practices	3			
IET-1323 General Metals or GS-1223 General Metals	3			
IET-1362 Machine Tool Auxiliary	2			
Computer Aided Design and Drafting/Computer Numerical Control			Total Credit Hours Required: 11	
Courses (11 Credits)	Credits	Grade	Semester	Notes
IET-1512 Blueprint Reading or GS-1512 Blueprint Reading	2			
IET-1533 Introduction to CAD Engineering or GS-1532 Introduction to AutoCAD	3			
IET-2543 Advanced CAD Engineering or GS-2542 Advanced AutoCAD	3			
IET-2553 Introduction to CNC or GS-2553 Introduction to CNC	3			
Computer Aided Design and Drafting/Computer Numerical Control			Total Credit Hours Required: 11	
Courses (11 Credits)	Credits	Grade	Semester	Notes
IET-1512 Blueprint Reading or GS-1512 Blueprint Reading	2			
IET-1533 Introduction to CAD Engineering or GS-1532 Introduction to AutoCAD	3			
IET-2543 Advanced CAD Engineering or GS-2542 Advanced AutoCAD	3			
IET-2553 Introduction to CNC or GS-2553 Introduction to CNC	3			
Industrial Manufacturing Technician – Level 1			Total Credit Hours Required: 13	
Courses (13 Credits)	Credits	Grade	Semester	Notes
IET-1111 Success Strategies for IET	1			
IET-1113 Introduction to Industrial Engineering Technology	3			
IET-1223 AC/DC Electrical Systems	3			
IET-1333 Electrical Relay and Computer Control	3			
IET-2333 IET Internship I	3			
Industrial Manufacturing Technician – Level 2			Total Credit Hours Required: 11	
Courses (11 Credits)	Credits	Grade	Semester	Notes
IET-1313 Machine Tool Practices or GS-1313 Machine Tool Practices	3			
IET-1223 AC/DC Electrical Systems	3			
IET-1333 Electrical Relay and Computer Control	3			
IET-2333 IET Internship I	3			
IET-2113 Programmable Logic Controllers I	3			
IET-2223 Programmable Logic Controllers II	3			