MURRAY STATE COLLEGE

Industrial Engineering Technology Certificates
2026-27 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			