

# INDUSTRIAL MAINTENANCE TECHNOLOGY

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## Program Purpose

The purpose of the Industrial Maintenance Technology program is to provide accessible, premium quality educational opportunities that will provide individuals with the knowledge, technical skills, values, and attitudes necessary to obtain entry-level employment in the business and industry sectors seeking industrial maintenance employees. Industrial Maintenance prepares students with the skills demanded for multi-craft positions. The program is designed to provide detailed knowledge of several technical subjects and prepare students that apply this knowledge in the industrial environment to preserve and maintain industrial systems. Providing an available labor pool to industry in Region 7 is a priority. Program completers are to be competent in the technical areas of electronics circuit repair, industrial electrical wiring, industrial motor controls, hydraulics and pneumatics, measurements, and technical drawing. Reid State Technical College will accomplish program objectives by providing students with a comprehensive general education and technical training in the core area of industrial maintenance. The occupational skill preparation should meet recognized skill standards. The college will ensure program quality through internal certification of graduate competencies. The philosophy and purpose of the Industrial Maintenance Technology program is consistent with that of the governing institution.

### *Occupational Data*

Graduates of the Industrial Maintenance program work in the industry maintenance setting where they use their skills which are grouped under the classification of industrial maintenance/technician personnel. According to Economic Modeling, the national median wage for industrial maintenance/technician personnel was \$28.83/hr. in 2019.

### *Admission Requirements*

Applicants to this program must complete the application procedures and be 16 years of age. Additionally, applicants must present official documentation of a high school diploma, in accordance with State Board policy, or GED

## INDUSTRIAL MAINTENANCE TECHNOLOGY - SHORT CERTIFICATE

**MINIMUM CREDITS REQUIRED:** 29 Semester Credit

Hours Length of Program: 2 Semester of full-time attendance

<b>GENERAL EDUCATION CORE: 1 Semester Credit Hours</b>		<b>Theory</b>	<b>Lab</b>	<b>Contact</b>	<b>Credit</b>
ORT100	Orientation	1	0	1	1
<b>TECHNICAL CONCENTRATION: 28 Semester Credit Hours</b>					
INT101	DC Fundamentals OR ILT 160	2	1	5	3
INT103	AC Fundamentals OR ILT 161	2	1	5	3
INT 112	Industrial Maintenance Safety Procedures	3	0	3	3
INT113	Industrial Motor Controls I	1	2	7	3
INT117	Principles of Industrial Mechanics	2	1	4	3
INT118	Funda. of Industrial. Hyd/ Pne	2	1	5	3
INT119	Principles of Mechanical Measurements and Tech Drawin	1	2	5	3
INT158	Industrial Wiring I	1	2	5	3
WKO110	NCCER CORE	1	2	5	3
ILT286	CO-OP	0	1	2	1
<b>Electives:</b>					
ILT117	Principles of Construction Wiring	1	2	5	3
ILT196	Advanced Programmable Logic Controllers	2	1	5	3
ILT169	Hydraulics Pneumatics	2	1	4	3
ILT195	Troubleshooting Techniques I	2	1	4	3
WDT108	SMAW Fillet/OFC	2	2	5	3