

INSULATING CERTIFICATE OF PROFICIENCY



Students must be currently working in a registered apprenticeship program in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training. A four-year apprenticeship prepares students to work in the Heat and Frost Insulating industry. Students will have the opportunity to learn the latest techniques and the time-proven methods of the insulating industry through computer-based learning, hands-on practice, theory-based lessons, thermodynamic experiments, and other innovative learning experiences. Safety is a critical focus and students will learn how to properly recognize and address hazards in the workplace.

Program contact: Learn more

Financial Assistance funds cannot be applied towards this program.

This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.

- HS Diploma/GED recommended
- 18 years old
- Valid drivers license
- Application to Joint Apprenticeship Training Committee/Intent to Hire agreement with participating contractor.

1. Apply fire barriers to ductwork and piping in commercial and industrial facilities.
2. Properly recognize and address hazards in the workplace in accordance with OSHA guidelines.
3. Utilize mathematical formulas into field applications for fabricating and installing insulation materials.
4. Fabricate and apply various types of insulation and protective jacketing systems used in the commercial and industrial mechanical insulation industry.
5. Identify and recuperate faulty and failing insulation systems and upgrade them properly.
6. Complete Firestop Technician certification and Infection Control Risk Assessment (ICRA) certification.
7. Explain the importance of organized labor to the modern work force.

First Semester		Credit Hours
ATIN-1010	Applied Insulators Math	3
ATIN-1020	Fundamental Insulation I - Insulation Theory	2

ATIN-1030	Fundamental Insulation II: Fiberglass Insulation	2
ATIN-2000	Vapor Barriers	2
ATIN-2020	Fundamental Insulation III - Mechanical Systems	3
ATIN-XXXX	Insulators Elective ¹	2
ATIN-XXXX	Insulators Elective ¹	2
Credit Hours		16
Second Semester		
ATIN-2110	Advanced Metal Jacketing I	3
ATIN-2130	Fundamental Insulation IV - Tanks and Equipment	2
ATIN-2200	Blueprints and Specifications	2
ATIN-XXXX	Insulators Elective ¹	2
ATIN-XXXX	Insulators Elective ¹	2
ATIN-XXXX	Insulators Elective ¹	2
ATIN-XXXX	Insulators Elective ¹	2
Credit Hours		15
Summer Completion		
ATIN-2790	Effective Supervision and Journeyman Certification	2
ATIN-XXXX	Insulators Elective ¹	2
ATIN-XXXX	Insulators Elective ¹	2
Credit Hours		6
Total Credit Hours		37

¹ A total of 16 credits in Insulators electives is required. These can be a mix of 1, 2, and 3 credit courses.