

**Construction Trades**
**Diploma | 59 credits**

Campus: Mesabi Range, Eveleth

<b>FIRST YEAR</b>		<b>CREDITS</b>	<b>HOURS LEC/LAB</b>
<b>FALL SEMESTER 2024 – 16 Credits</b>			
CARP 1221	Blueprint Reading and Estimating 1	3	1/4
CARP 1229	Concrete	2	0/4
CARP 1231	Principles of Carpentry 1-A Theory	2	2/0
CARP 1235	Core Construction Trade Skills	4	3/2
CARP 1241	Principles of Carpentry 1-A Lab	4	0/8
ALHE 1100	Heartsaver First Aid with CPR and AED	1	1/0
<b>SPRING SEMESTER 2025 – 15 Credits</b>			
CARP 1222	Blueprint Reading and Estimating 2	2	2/0
CARP 1227	Introduction to Building Codes	1	1/0
CARP 1228	Cabinetry	1	0/2
CARP 1232	Principles of Carpentry 1-B Theory	3	3/0
CARP 1234	Safe Operation of Power Industrial Lift Trucks/Material Handling	2	1/2
CARP 1242	Principles of Carpentry 1-B Lab	4	0/8
WELD 1220	Basic Welding Skills	2	0/4

<b>SECOND YEAR</b>			
<b>FALL SEMESTER 2025 – 14 Credits</b>			
CARP 1260 ^	Construction Trades Internship 1(A)	7	
CARP 1261 ^	Construction Trades Internship 1(B)	7	
<b>SPRING SEMESTER 2026 – 14 Credits</b>			
CARP 2280 ^	Construction Trades Internship 2(A)	7	
CARP 2281 ^	Construction Trades Internship 2(B)	7	

^ Students must meet with instructor for approval prior to registering for internship courses.

**PROGRAM DESCRIPTION**

The Construction Trades Program teaches students modern construction methods, as well as the art of craftsmanship. We prepare our students to become highly skilled professionals. The program focuses on safety, problem-solving, work attitude, technical, and occupation-specific skills, along with gaining experience in construction materials, methods, and trade standards. Providing real-world experience with a full-year internship in the field.

**PROGRAM LEARNING OUTCOMES**

Upon completion of the Construction Trades Diploma program, graduates will be able to:

1. demonstrate concepts of the building trades,
2. apply team building and leaderships skills,
3. apply safety practices in all aspects of the program,
4. explain the responsibilities and characteristics of a successful tradesperson,
5. identify building materials and their uses,
6. interpret specifications and construction drawings,
7. calculate materials, labor, and cost of construction projects,
8. state and demonstrate the safe operation and use of construction equipment, and
9. identify problems and be able to create solutions.

### ARTICULATION AGREEMENTS

- Bemidji State University, Project Management, Constructional and Facility Management

### EMPLOYMENT OPPORTUNITIES

Graduates find work with small and large contractors doing new construction and remodeling, sash and window companies, lumber companies, and many become self-employed. Remodeling and energy conservation work are projected to become major areas of growth. Carpenters may advance to positions such as job supervisor, superintendent, or a self-employed contractor. Other related employment possibilities include sales, lumberyard management, building inspection, cabinet making, roofing, drywall installation, maintenance carpentry or factory rep positions.

### PROGRAM FACULTY

Lukas, Leo J

218-550-2610

[leo.lukas@minnesotanorth.edu](mailto:leo.lukas@minnesotanorth.edu)

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