

Carpentry
Diploma | 31 credits

Campus: Mesabi Range, Eveleth

FALL SEMESTER 2024 – 16 Credits		CREDITS	HOURS LEC/LAB
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
SPRING SEMESTER 2025 – 15 Credits			
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	1/2

PROGRAM DESCRIPTION

The carpentry program will provide overall job readiness in the construction field. Students will apply and embrace safety as a culture in the work place, learn how to communicate effectively with stakeholders in the construction industry, and distinguish between different manufactures of materials, tools, and equipment to complete construction projects efficiently and effectively.

Helpful background - Courses in math, design, drawing, drafting, and woodworking are helpful. Business courses in accounting, management, sales, and general business can be very useful.

PROGRAM LEARNING OUTCOMES

Students will be able to:

1. Demonstrate safe workplace practices
2. Apply mathematical skills to the construction industry
3. Demonstrate effective communication skills to complete construction projects
4. Understand building science and the building process
5. Calculate live load and dead load, and explain distribution
6. Utilize the correct tools and equipment to complete construction projects

ARTICULATION AGREEMENTS

- Bemidji State University – Project 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.

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2024-25 PROGRAM PLANNER

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PROGRAM FACULTY

Lukas, Leo J

218-550-2610

leo.lukas@minnesotanorth.edu

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