NORTHERN MAINE COMMUNITY COLLEGE

BUILDING CONSTRUCTION TECHNOLOGY

PROGRAM PURPOSE

The building construction technology program provides students with current and realistic training in tools of the carpentry trade, methods of proper construction, proper materials to use, and the related knowledge necessary to enter the trade. Students learn and practice the uses and safety of power and hand tools.

The principles of building construction: roof framing, roof trusses, floor framing, wall partition framing, exterior finish, roofing, siding and insulation are practiced.

Students also learn building science theory and blueprint ready especially as this information pertains to sustainable construction practices.

CAREER OPPORTUNITIES

Graduates are well-prepared for a variety of roles, including construction management, site supervision, project planning, and building inspection. With a strong foundation in modern construction techniques, sustainable building practices, and safety protocols, you'll be in high demand in residential, commercial, and industrial sectors.

The construction industry is booming, offering robust job prospects and opportunities for advancement. Whether you aim to work for established construction firms or start your own business, a Building Construction Technology program provides the tools and expertise to build a successful and fulfilling career.

Students who complete the building construction technology certificate program will be qualified as entry level builders and may find employment with:

- General contractors
- Building contractors
- Building suppliers
- Government agencies
- Home specialty companies
- Manufacturing firms

APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's ranking period grades).
3. Official college transcripts for applicants who have attended other post-secondary schools.
4. If SAT scores are not available, placement testing may be required.
5. Meet with an Admissions Counselor.
6. A campus tour is highly recommended.

GET IN TOUCH

207-768-2785 | www.nmcc.edu | nmccadmissions@mainecc.edu | 33 Edgemont Drive Presque Isle, ME 04769

BUILDING CONSTRUCTION TECHNOLOGY

2026-2027 CURRICULUM

ASSOCIATE IN APPLIED SCIENCE DEGREE

FIRST SEMESTER		C	L	CR	
> **BCT 110**	Hand & Power Tool Safety	0.5	1.5	1	*
> **BCT 111**	Framing Systems	3	9	6	*
DRR 117	Blueprint Reading for Construction Trades	2	2	3	
MAT 122	Technical Mathematics	2	2	3	
		7.5	**14.5**	**13**	

SECOND SEMESTER		C	L	CR
> **BCT 124**	Exterior Finishes & Systems	3	9	6
> **BCT 125**	Woodworking	1.5	4.5	3
ENG 111	English Composition	3	0	3
	Gen Ed Elective	3	0	3
		10.5	**13.5**	**15**

THIRD SEMESTER		C	L	CR	
> **BCT 210**	Kitchens, Baths, Stairs	1.5	4.5	3	*
> **BCT 215**	Energy Efficient Construction	1.5	4.5	3	*
> **BCT 220**	Woodworking II	1.5	4.5	3	
PHY 150	Physics	3	2	4	
	Humanities Elective	3	0	3	
		10.5	**15.5**	**16**	

FOURTH SEMESTER		C	L	CR
> **BCT 250**	Interior Finishes	3	9	6
> **BCT 255**	Construction Estimating	4	0	4
COM 221	Technical Communications	3	0	3
	Social Science Elective	3	0	3
		13	**9**	**16**

TOTAL REQUIRED	60

> Major courses; a minimum grade of "C" or 2.0 is required

* BCT Courses within a semester are scheduled sequentially, not concurrently

Key: **C** = Class hours; **L** = Laboratory; **CR** = Credit hours

BUILDING CONSTRUCTION TECHNOLOGY

2026-2027 CURRICULUM

CERTIFICATE PROGRAM

FIRST SEMESTER		C	L	CR	
> **BCT 110**	Hand & Power Tool Safety	0.5	1.5	1	*
> **BCT 111**	Framing Systems	3	9	6	*
DRR 117	Blueprint Reading for Construction Trades	2	2	3	
MAT 122	Technical Mathematics	2	2	3	
		7.5	**14.5**	**13**	

SECOND SEMESTER		C	L	CR
> **BCT 124**	Exterior Finishes & Systems	3	9	6
> **BCT 125**	Woodworking	1.5	4.5	3
ENG 111	English Composition	3	0	3
	Gen Ed Elective	3	0	3
		10.5	**13.5**	**15**

TOTAL REQUIRED	28

> Major courses; a minimum grade of "C" or 2.0 is required

* BCT Courses within a semester are scheduled sequentially, not concurrently

Key: **C** = Class hours; **L** = Laboratory; **CR** = Credit hours