



BUILDING CONSTRUCTION TECHNOLOGY



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PURPOSE OF PROGRAM

The building construction technology program provides entering students with current and realistic training in: the tools of the carpentry trade, the methods of proper construction, the proper materials to use, and the related knowledge necessary to enter the trade. First year students learn and practice the uses and safety of power and hand tools. The principles of building construction are practiced and include: roof framing, roof trusses, floor framing, wall partition framing, exterior finish, roofing, siding, and insulation. Second year students supplement their trade skills by learning and practicing interior finishes, kitchen cabinets, painting, and staining. Students also learn building science theory, especially as it pertains to sustainable construction practices.

Students learn in a lab with all of the industry standard tools necessary to become competent in their trade.

CAREER OPPORTUNITIES

Graduates of the building construction technology program will be qualified as entry level builders and may find employment with:

- building suppliers
- government agencies
- home specialty companies
- manufacturing firms
- and more!

The associate degree level program may lead to advanced positions as general construction supervisors or contractors.



Employees in the building trades are in high demand.

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APPLICATION PROCEDURE

The following procedures constitute the admissions process:

1. Submit an NMCC application along with a \$20 application fee.
2. Submit official high school transcript and/or HiSET/GED scores (current senior's transcript should include completed 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 will be required.
5. Individual interview required.
A campus tour is highly recommended.

Questions contact:
admissions@nmcc.edu

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2019-2020 Curriculum

Associate in Applied Science Degree Program

<u>First Semester</u>		C	L	CR
♦ BCT 111 Framing Systems		3	9	6
COL 103 College Success		1	0	1
DRR 117 Blueprint Reading for Construction Trades		2	2	3
ENG 111 English Composition		3	0	3
SAE 117 Occupational Safety		1	0	1
TEC 112 Building Science I		1.5	3	3
		11.5	14	17

<u>Second Semester</u>		C	L	CR
♦ BCT 121 Interior Materials & Methods		3	9	6
MAT 119 Applied Mathematics		4	0	4
TEC 123 Building Science II		1.5	3	3
Social Science Elective		3	0	3
		11.5	12	16

<u>Third Semester</u>		C	L	CR
♦ BCT 211 Adv. Framing & Finishing		3	9	6
DRR 215 Architectural Drafting I		1	3	2
PHY 150 Physics		3	2	4
SUR 214 Construction Surveying		1	3	2
		8	17	14

<u>Fourth Semester</u>		C	L	CR
♦ BCT 221 Finish Carpentry		3	9	6
COM 221 Technical Communications		3	0	3
DRR 220 Architectural Drafting II		1	3	2
TEC 221 Construction Management		3	0	3
Humanities Elective		3	0	3
		13	12	17

TOTAL REQUIRED 64

Certificate Program

<u>First Semester</u>		C	L	CR
♦ BCT 111 Framing Systems		3	9	6
DRR 117 Blueprint Reading for Construction Trades		2	2	3
ENG 111 English Composition		3	0	3
SAE 117 Occupational Safety		1	0	1
TEC 112 Building Science I		1.5	3	3
		10.5	14	16

<u>Second Semester</u>		C	L	CR
♦ BCT 121 Interior Materials & Methods		3	9	6
MAT 119 Applied Mathematics		4	0	4
TEC 123 Building Science II		1.5	3	3
Elective		3	0	3
		11.5	12	16

TOTAL REQUIRED 32

♦ *Major courses; a minimum grade of "C" or 2.0 required.*

NMCC is an equal opportunity/affirmative action institution and employer. For more information, please call 768-2791.

Key: C= Class Hours, L= Lab Hours, CR= Credit Hours

207-768-2785

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