



BUILDING CONSTRUCTION TECHNOLOGY

In-House Track • Jobsite Track • Certificate

www.cmcc.edu

enroll@cmcc.edu • (207) 755-5273



Build Your Future at CMCC.

Do you remember the first time you built something out of wood? Maybe it was a birdhouse in grade school or a cutting board in your high school shop class. Remember the smell of fresh-cut wood, and the pride and satisfaction you felt from building something with your own hands? Well, you can make a career of building such memories! The skills you can develop in Building Construction Technology at CMCC will enable you to earn a good income, find daily satisfaction in producing quality products, and possess skills you can take anywhere in the world.

Our team of instructors are dedicated to passing on over 100 years of collective building knowledge to help others experience what we have – one of the most satisfying and rewarding ways to make a good living.

Our focus is to challenge all students to excel to the highest possible level they are capable of through a curriculum offering two educational paths. Our in-house program uses competency-based assessment

to advance students on an individual basis through hands-on projects, both inside and outside the classroom. Our jobsite-track program has students work on jobsites with a local construction company. Students who complete the jobsite track will not only earn an associate's degree, but will likely have a job waiting for them with their internship employer.

Graduates of our Building Construction Technology program have been exposed to many aspects of the trade and have landed well-paying jobs in residential & commercial construction, custom cabinetry, fine furniture, code enforcement, design and estimating, and custom boat building.

If you would like to schedule a visit to our shop space, please contact me. I look forward to showing you how together, we can build a successful future.

*Don Varney, department chair
Building Construction Technology*

**Watch the Building Construction Technology video online at:
www.cmcc.com/building**

BUILDING CONSTRUCTION TECHNOLOGY

Associate in Applied Science • Certificate



While never losing sight of ever-changing materials, methods, and technology associated with the construction field, the Building Construction Technology program focuses on fundamental skills in residential/commercial construction, and broad familiarity with methods, standards, and codes commonly associated with the industry.

Students gain experience through:

- Classroom study, interpretation of construction documents, print reading, sketches, mock-ups, cost estimates, and live projects.
- Concentration on core communication, construction skills and progression at an individual rate matching individual growth. Fundamental construction skills are assessed periodically through competency testing.
- Assigning projects based on student abilities to allow project time to more closely follow job-site practices.
- Establishing a working ePortfolio of growth and accomplishments as an eResume, illustrating strength, commitment, and focus prospective employers seek.

Graduates may pursue careers in:

- Residential, light commercial, institutional, or heavy construction
- Building materials supply
- Prefabrication shops for modular units or custom cabinetry

With additional experience:

- Project engineer/manager
- Self-employment or general contracting
- Building inspection
- Design
- Code enforcement

Degree Requirements In-House Track

Semester I		Credit Hours
BCT 101	Introduction to Hand & Power Tool Safety	1
BCT 142	Building Concepts I	3
BCT 143	Building Concepts II	3
BCT 126	Construction Site Surveying	2
MAT ____*	Select one of the following: MAT 100 Intermediate Algebra MAT 104 Technical Mathematics	3
ENG ____*	Select one of the following: ENG 101 College Writing ENG 105 College Writing Seminar	3 (4)
OHS 111	OSHA 10-Hour Course in Construction	1
Semester II		
BCT 144	Building Concepts III	3
BCT 145	Building Concepts IV	3
BCT 180	Introduction to Building Science	3
____	Elective: Humanities/Social Science	3
Summer Semester		
BCT ____	Select one of the following: BCT 197 Internship BCT 297 Externship BCT 298 Capstone Elective (choose from: BCA 120, BUS 101, BUS 110, BUS 145, CAD 110, COM 100 or PHI 111)	3 (3) (3) (3)
Semester III		
BCT 205	Interior Finish I	5
BCT 152	Construction Document Reading & Cost Estimating	3
____	Approved writing course, see catalog	3
____	Elective: Humanities/Social Science	3
Semester IV		
BCT 128	Basic Strength of Materials	2
BCT 255	Interior Finish II	5
BCT 251	Construction Business & Site Management	2
____	Elective: Humanities/Social Science	3
____	Elective: Math/Science	3-4
Total Credit Hour Requirements		60-62

Certificate Requirements

Semester I		Credit Hours
BCT 101	Introduction to Hand and Power Tool Safety	1
BCT 142	Building Concepts I	3
BCT 143	Building Concepts II	3
BCT 126	Construction Site Surveying	2
MAT ____*	Select one of the following: MAT 100 Intermediate Algebra MAT 104 Technical Mathematics	3
OHS 111	OSHA 10-Hour Course in Construction	1
Semester II		
BCT 128	Basic Strength of Materials	2
BCT 144	Building Concepts III	3
BCT 145	Building Concepts IV	3
BCT 180	Introduction to Building Science	3
ENG ____*	Select one of the following: ENG 101 College Writing ENG 105 College Writing Seminar	3 (4)
Total Credit Hour Requirements		27-28



BUILDING CONSTRUCTION TECHNOLOGY JOBSITE

Associate in Applied Science



The Building Construction Technology Jobsite degree is a joint effort of Central Maine Community College and residential and commercial construction companies. This program provides students with a two-year program alternating classroom and laboratory training with paid, on-the-job experience.

Students learn tools necessary to improve competitive capacity through comprehensive, hands-on curriculum. Students in the Building Construction Technology Program focus on fundamental skills in residential/commercial construction, and broad familiarity with methods, standards, and codes commonly associated with the industry. Through the jobsite track students gain experience by alternating between:

- Classroom and laboratory study including interpretation of construction documents, print reading, sketches, mock-ups, cost estimates, live projects, and more
- Paid on-the-job experience on a construction jobsite with an approved, professional construction company

Graduates may pursue careers in:

- Residential, light commercial, institutional, or heavy construction
- Building materials supply
- Prefabrication shops for modular units or custom cabinetry

With additional experience:

- Project engineer/manager
- Self-employment or general contracting
- Building inspection
- Design
- Code enforcement

Degree Requirements Jobsite Track

Semester I (16-weeks)		Credit Hours
BCT 101**	Introduction to Hand & Power Tool Safety	1
BCT 142	Building Concepts I	3
BCT 143	Building Concepts II	3
BCT 126	Construction Site Surveying	2
MAT ____*	Select <u>one</u> of the following:	3
	MAT 100 Intermediate Algebra	
	MAT 104 Technical Mathematics	
ENG ____*	Select <u>one</u> of the following:	
	ENG 101 College Writing	3
	ENG 105 College Writing Seminar	(4)
OHS 111	OSHA 10-Hour Course in Construction	1
Semester II (1st 8 weeks)		
BCT 144	Building Concepts III	3
____	Elective: Humanities/Social Science	3
____	Elective: Humanities/Social Science	3
Semester II (2nd 8 weeks)		
BCT 185	Field Experience I	4
Summer Semester (1st 7 weeks)		
BCT 154	Millwork I	5
Summer Semester (2nd 4 weeks)		
BCT 186	Field Experience II	2
Semester III (1st 8 weeks)		
BCT 285	Field Experience III	4
Semester III (2nd 8 weeks)		
BCT 152	Construction Document Reading & Cost Estimating	3
BCT 200	Structural Analysis I	3
____	Approved writing course, see catalog	3
Semester IV (1st 8 weeks)		
BCT 251	Construction Business & Site Management	2
____	Elective: Humanities/Social Science	3
____	Elective: Math/Science	3-4
Semester IV (2nd 8 weeks)		
BCT 286	Field Experience IV	4
Total Credit Hour Requirements		61-63



Building Construction Technology Jobsite Track Degree Prerequisites/Preregistration: Students must place in ENG 101 or 105 and MAT 100. Students who do not place into these courses, will be admitted into the Jobsite Track while taking remedial courses, but will not be placed with an employer until remedial coursework is completed. Students must obtain a construction employer. Companies may request a criminal background check and/or drug testing. Employers often require students hold a current and valid driver's license free from "current major" violations. Please see catalog for full requirements.

**Placement determined by assessment test scores and/or prior college coursework*

*** Students must successfully complete BCT 101 prior to participation in any other BCT course.*



BUILDING CONSTRUCTION TECHNOLOGY PROGRAM CHAIR



DON VARNEY • dvarney@cmcc.edu • (207) 755-5354

Don has taught in the Maine Community College System for 17 years and has been department chair of the CMCC Building Construction program since 2010. He brings decades of hands-on, real-world experience into the classroom and shop. Don holds an A.A.S. in Building Construction Technology from CMVTI, and a B.S. in Applied Technical Education from the University of Southern Maine.

EMPLOYERS OF BUILDING CONSTRUCTION TECHNOLOGY GRADUATES

Graduates with an degree or certificate in a Building Construction Technology program from CMCC have been employed with a variety of organizations, including:

Thos. Moser	Arnold Custom Builders, Inc.	K.Y. Construction
Reed & Reed Construction	R H Bennett and Sons Construction	A. Perron Contracting, LLC
Harriman Architect + Engineers	JK Builders	Royal River Construction & Interiors LLC
Wright-Ryan Construction	LRTC	Carver Carpentry
Colby College	Fortin Construction	DP Properties
KEAN Engineering	Design Dwellings, Inc.	A.B. & J.R. Hodgkins, Inc.
Harriman Builders	Upright Frameworks LLC	Scott E. Nason Builders Inc.
Town of Falmouth	DH Pinnette & Sons	CWT Builders
Steve D. Pelletier Custom Built Homes	Don White & Son, Inc	Dan Catlin Construction
RJ Grondin & Sons	Sabre Yachts	Doten's Construction Inc
Port Builders, LLC	Timber Built Construction	J.S. Industrial Arts Co LLC
Bourque Construction	Gumpton Builders	Buda Siding and Custom Building
GWB Carpentry	Thompson Building Services	



APPLY TODAY

- Visit our website at www.cmcc.edu
- Complete an application online
- Send us your official high school transcript or GED test scores
- If applicable, send us official transcripts from all colleges attended*
- Provide documentation that you have met any program prerequisites

**Students who have earned at least 15 college-level credits do not need to provide their high school transcript or GED.*



Central Maine
COMMUNITY COLLEGE

Central Maine Community College
1250 Turner Street • Auburn, ME 04210

Please see catalog at www.cmcc.edu for full program requirements.
Central Maine Community College is an equal opportunity/affirmative action institution and employer.