

ZERO ENERGY BUILDINGS LEARNING CENTRE SCHOOL OF CONSTRUCTION AND THE ENVIRONMENT

WINTER 2020 COURSES



Need to tool up for success with the BC Energy Step Code but have limited time for training? The BCIT Zero Energy Building Learning Centre has developed a set of short duration courses to get you up to speed and on the right track.

OUR PROMISE

- Hands-on training in the BCIT High Performance Building Lab (except online courses)
- Compressed learning
- Up to 24 formal Continuing Professional Development (CPD) credits / course

YOUR GAIN

- **Get knowledge** from industry leaders
- **Get exposure** to a wide range of construction details
- **Get experience** using various construction methods or materials, testing performance, and practicing strategies to meet the BC Energy Step Code

WINTER 2020 COURSES

[CESA 1001 – ZERO ENERGY BUILDING FUNDAMENTALS](#)

(INDUSTRY EXPERTS ON KEY STEP CODE + ZERO ENERGY BUILDING TOPICS)

FEB 18, 25, MAR 3, 10 [6-8PM, 4 EVENINGS FULLY ONLINE]

[CESA 1110 – ZERO ENERGY BUILDING ENCLOSURES: AIRTIGHTNESS](#)

(INSTRUCTORS: JAMES BOURGET AND GEOFF KIRKPATRICK, RDH BUILDING SCIENCE)

FEBRUARY 22 [8AM-4:30PM + ONLINE]

[CESA 1120 – ZERO ENERGY BUILDING: ASSEMBLY DETAILS](#)

(INSTRUCTORS: JAMES BOURGET AND GEOFF KIRKPATRICK, RDH BUILDING SCIENCE)

MARCH 14 [8AM-4:30PM + ONLINE]

[CESA 1500 – PASSIVE HOUSE TRADESPERSON – ENVELOPE SPECIALIZATION](#)

(INDUSTRY EXPERTS ON PASSIVE HOUSE DESIGN AND CONSTRUCTION)

MAR 30- APR 3 [8AM-4:30PM]

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COURSE TOPICS AT A GLANCE

CONTACT US

For more information, including tuition grants, contact: Mary McWilliam |
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COURSE CONTENT

The following table provides a quick comparison of the topics and learning approach (i.e. hands-on construction practice) to help you find the courses that are right for you.

	CESA 1001	CESA 1110	CESA 1120	CESA 1500
	Zero Energy Building Fundamentals	Zero Energy Building Enclosures: Airtightness (Residential)	Zero Energy Building Enclosures: Assembly Details (Residential)	Passive House Tradesperson – Envelope Specialization
Location	Online	Burnaby	Burnaby	Burnaby
Duration (hrs)	12 hrs (4, 2 hr lectures, plus)	12 hrs (1 day, plus online)	12 hrs (1 day, plus online)	36 hrs (5 days)
Builder Continuing Education Credits	24	24	24	36
Learning Topics & Approach <div>  Lecture + discussion  Observe demonstrations or interact with display models  Practice construction </div>				
BC Energy Step Code	Intro + process and compliance 	Overall intro ACH focus 	Overall intro TEDI focus 	Intro + comparison 
Passive House Standard	 intro 	intro 	intro 	
Building Science				
Airtightness	 intro 			
Zero Energy Assemblies	 intro 			
Mechanical Systems	 intro 			 intro