

Mandatory Courses for Intern Architects 2008

BC Building Code I
Building Envelope Principles

*

Ethics, Act & Bylaws
Law & the Architect

*

*

*

Blueprint for Business
BC Building Code II

Construction Administration
Management of the Project

Note: The 4 courses in italics are mandatory for Intern Architects. Intern Architects must choose 2 of the courses that are not italicized. The total number of courses that Interns must take is therefore 6.

BC Building Code I

This course covers the intent of the building code, an architect's responsibilities regarding the code, and the use of the code as a design tool in an architect's practice. It is relevant for architects, technologists, building officials and other industry participants, and is mandatory for Intern Architects.

The key concepts are:

- Summary current **BC Building Code**
- factors used to determine the design and construction requirements of a building
- construction requirements and structural fire resistance rating
- major occupancies and suite separations
- fire fighting considerations
- requirements for fire separations, closures & egress

Building Envelope Principles

This course is for the person who:

- is a principal of an architectural firm;
- is an intern architect *, architectural technologist or building official;
- retains Building Envelope consultants;
- will benefit from a clear understanding and awareness of the field.

This course is the executive summary of the Building Envelope Education Program (BEEP) modules and satisfies the recommendations of AIBC Bulletin #68.

This one-day course reviews:

- **Roles and Responsibilities:** among all industry players; letters of assurance; clarification of Enhanced Building Envelope Services and roles.
- **Coastal Climatic Conditions** - Control of precipitation, vapor diffusion, wood-rot conditions
- **Wall Performance** - moisture, heat and air transfer, vapor barriers, cladding, insulation, interior environment, maintenance and repair, the envelope consultant's role.
- **Design, Detail and Assemblies** – integration of components, the calculation of costs of envelope construction
- **Field Services** - responsibilities, testing, site inspection, reports
- **Quality Assurance** - project management, liability, risk

Ethics, Act & Bylaws

At this course, you will:

- Learn how the bylaws are interpreted and how to educate clients, sub-consultants, and the public about compliance with them.
- Discuss the societal context of codes of ethics and rules of professional conduct.
- Canvass the statutory and regulatory context of related practice requirements such as letters of assurance and the sealing of documents.

Course Materials:

Please bring a current copy of the following three documents — Architects Act of British Columbia, AIBC Bylaws, and The Code of Ethics and Professional Conduct. These documents can be found on the AIBC web-site, www.aibc.bc.ca.

Law & the Architect

This course focuses on legal principles and applications relevant to the practice of architecture, to raise awareness and guide decisions. Topics include contracts; negligence; employment standards; bidding and contract award; builders' liens; environmental aspects; and dispute resolution.

* * * *

Blueprint for Business

You've endured the education, completed the training, but can you design and support your destiny? Becoming registered gives you the right to open your own practice, but it can't guarantee you the smarts. This course will introduce the concept of business planning for architects, from your professional obligations to forms of practice available to you. We will introduce you to some fundamental issues and opportunities attracting your attention prior to (and during) hanging out your shingle from both a professional and a business point of view.

BC Building Code II

This course covers professional responsibility, background, intent and concepts of significant code requirements and uses. It is relevant for architects, technologists, building officials and other industry participants.

At this course you will:

- review Letters of Assurance, professional design and field review in accordance with the current BC Building Code
- review spatial separation and exposure protection analysis
- review the building code requirements applicable to high buildings
- identify the unique fire protection problems with atria and interconnected floor spaces
- review barrier-free design principles and learn the building code's requirements for persons with disabilities.

Construction Administration

This course examines the administration of the contract including the contractual relationships between owner, contractor, and consultants.

At this course you will:

- Receive up-to-date information regarding your responsibilities as an architect with respect to construction contracts and contract documents, including obligations under CCDC 2 (1994), CCAC 6 (1997) and the BC Government Stipulated Price Construction Contract.
- Be apprised of the principles of architectural specifications and the significance of their contribution to the contract documents.
- Learn about the implications of various project delivery methods, including “design/build”.

Course Materials: Please be familiar with relevant forms of agreement noted above and related sections of the Canadian Handbook of Practice.

Management of the Project

Delivering a project professionally, on time and on budget are important skills in the practice of architecture. Three successful architectural firms will share their techniques for effectively managing projects. You will examine the process from the client agreement phase, through the design stage, to project closeout from the perspectives of both small and large firms.