



INTERN UPGRADING PROGRAM

PROGRAM OUTLINE

For

Intern Architectural Technicians and Intern
Building Technicians

Administered by
The Certification Board and
The Board of Examiners of
The Association of Architectural Technologists of Ontario

PART 1 - ACADEMIC UPGRADING

Part 1 of the Intern Program is intended to assist the Intern Architectural Technician and Intern Building Technician to obtain the necessary qualifications in order for the Board of Examiners to recommend him/her to the Certification Board for Accreditation. The Program is a continuing extension of the courses offered at the Colleges of Applied Arts and Technology/Polytechnic Institutes. The Program is intended to be:

- Flexible: many avenues for the members to seek learning and experience.
- Accessible: access for members from all parts of the province.
- Practical: related to current industry standards and practices.
- Achievable: structured to enable successful completion of the Program by majority candidates.

The Program takes into account, and gives credit for, all equivalencies for educational and work experience.

PART 1 - WORK EXPERIENCE REQUIREMENTS

Members who are required to complete an Intern period of work experience are asked to monitor this on work experience record sheets which are supplied by the Association. These are then submitted to the AATO on a quarterly basis.

Intern Architectural Technician and Intern Building Technician Upgrading Programs

The Certification Board chooses one of the following academic upgrading programs for each member, which must be completed prior to Accreditation at these levels. These programs are determined by academic qualification, year of graduation and related work experience.

New graduates and graduates with less than 2 years suitable work experience:

- *completion of 4 approved courses*
- *completion of 2 years related work experience period*
- *attendance at a Lecture on the Code of Ethics and Professional Conduct.*

graduates with over 2 years suitable work experience:

- *completion of 4 approved courses*
- *attendance at a Lecture on the Code of Ethics and Professional Conduct*

It should be noted that Accredited Architectural Technicians and Registered Building Technicians may continue on to Accreditation at the Technologist levels by completing the requirements of the Accreditation programs for these levels. These requirements are listed on the back page of this document.

PROGRAM PROJECTS

The Intern Architectural Technician and Intern Building Technician are required to complete approx. 120 hours of upgrading (4 courses) over the Intern period.

SUGGESTED COURSE TOPICS

All courses are required to be taken through approved educational institutions (e.g. colleges/AATO Chapters/professional associations). Those indicated with * may be either courses or in the form of projects and reports which must be pre-approved by the Board of Examiners. The following list is intended as a *guideline*.

- *Computer Aided Design and Drafting*
 - *Computer Literacy*
 - *Specifications Writing*
 - *Construction/Contract Law*
 - *Quantity Surveying*
 - *Energy Conservation*
 - *Building Science*
 - *Small Business Management*
 - *Labour Relations*
 - *Construction Supervision/Inspection*
 - **New Product Research Testing*: new products and/or systems relevant to the industry
 - **History of Architecture*: course or report based on research of the influence of early architectural trends on modern building design and construction.
 - *Landscape Design*
 - **Building Systems*: research and analysis of the structural, mechanical, electrical or lighting system(s) of an existing or proposed project, including energy use, analysis and system costing.
 - **Life Cycle Costing*: project and report on life cycle costing principles and analysis of an existing project.
 - **Renovations/Retrofit*: course or in-depth report on an actual renovation/retrofit project, including historical restorations.
 - *Building Codes*
 - **Building By-laws*: a report on a hypothetical building and site complying with local and regional building by-laws. Project assessed and approved in cooperation with the local Building Inspector.
 - *Interior Design*
 - **Development of a Large Project*: report on a recent building project, including client requirements, design consideration, drawing development and construction, and describing the use of unusual features and systems.
 - **Other*: courses/projects of special interest suggested by the candidate.
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ACCREDITATION PROGRAMS FOR ARCHITECTURAL TECHNOLOGIST AND REGISTERED BUILDING TECHNOLOGIST

1. a) ***Architectural Technologist (available to graduates of Architectural Technology programs):***
 - 4 approved courses
 - 4 approved seminars
 - minimum 3 years related work experience (including 1 year of Canadian experience under the supervision of either an architect or architectural technologist)
 - attendance at a 2-day Lecture Series
 - Examinations for Accreditation
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2. b) ***Registered Building Technologist (available to graduates of Engineering Technology, Building Technology or Construction Technology programs, or a course which lacks architectural aspect of design, and to foreign candidates who cannot document their architectural background):***
 - 4 approved courses
 - 4 approved seminars
 - 3 years of related work experience
 - attendance at a 2-day Lecture Series
 - Part 1 (open book portion) of the Examinations for Accreditation