

## Course Structure (Regular Program)

- This is a distance education course and is offered entirely online.
- The course consists of six modules, with an exam after each module, and a final paper.
- Modules vary in length from 3 to 5 weeks.
- There is a one-week break between modules and a longer break scheduled over the December holiday period.
- Evaluation is based on online discussion participation, online quizzes, a take-home exam at the end of each module, and may include individual and/or group assignments.
- Graduates can request a Certificate of Completion from IPAC Canada on successful completion of the six modules (with a minimum grade of 65% in each module) and submission of an acceptable final paper.

Students must be able to dedicate 12-15 hours per week to read course material, participate in discussions and complete assignments and exams. However, this is an estimation and may vary depending on student's background.

## Computer Requirements (all programs)

- Reliable internet access (preferred web browsers: Google Chrome, Firefox)
- Email address
- Word processing program
- Adobe
- Powerpoint

## Topics and Schedule Regular Program

### Fall:

- **Module 1 (6 weeks):** History of IPAC; IPAC Roles and Responsibilities; Teamwork in IPAC; Ethics in IPAC; Teaching and Persuasion; Technical Aspects of Presentations; Policy and Procedure Development; Chain of Infection; Hierarchy of Controls; Hand Hygiene, Routine Practices and Additional Precautions; Personal Protective Equipment
- **Module 2 (6 weeks):** Pathophysiology of Infection; Basic Bacteriology; Basic Virology; Interpretation of Microbiology Lab Results; Antibiotic Therapy; Antibiotic Resistant Organisms

### Winter:

- **Module 3 (4 weeks):** Common Infections: Respiratory, Surgical Site, Bloodstream, GI, Urinary Tract, Skin and Soft Tissue
- **Module 4 (5 weeks):** Concepts of Epidemiology; Purpose and Types of Surveillance; Data Collection and Management; Data Analysis and Interpretation; Communication Surveillance Results

**Spring:**

- **Module 5 (3 weeks):**  
Identification of Outbreaks; Managing Outbreaks; Occupational Health
- **Module 6 (5 weeks):** Sterilization and Disinfection; Environmental Cleaning; Reuse Issues; Waste Management; Product Selection; Design, Construction and Renovations; Mechanical Systems; Audits and Review Processes

**Final Paper:**

The purpose of the final paper is to allow the student to focus on how they can apply the theory presented in the course into their practice. Full details will be provided by the course coordinators to students in either program.