

Course Structure (Accelerated Program)

- This is a distance education course and is offered entirely online.
- The course consists of six modules, a final paper, and final exam.
- Evaluation is based on online discussion participation, online quizzes, a final take-home exam, 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), Final exam, and acceptable final paper.

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; Accelerated Program is condensed into 5 months)

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.