



# Pharmaceutical Quality Assurance and Quality Control

## Post-Graduate Program

 Health  
Science  
Technology

A woman in a grey shirt and black pants stands at the front of a conference room, gesturing with her hands. She is facing an audience of people seated in black chairs, seen from behind. A large orange L-shaped graphic is on the left side of the image. The background features a large screen displaying a bar chart. The room has wood-paneled walls.

# Who We Are



IN CLASS & ONLINE LEARNING



CERTIFICATION UPON  
COMPLETION

## About Us

AAPS is a registered college by the Ministry of Colleges and Universities since 2003 and recognized and approved by the International Association of Continuing Education and Training (IACET) – USA since 2011.

AAPS is a leader in training and professional development in the Food, Nutrition, Healthcare, Cosmetics, Clinical, Pharmaceutical, Cannabis, and Medical Device Industries.

We have developed an excellent reputation, strong track record, high student satisfaction and employment rating with domestic and international students. Our faculty is comprised of industry experts administering the latest curricula in modern classrooms and fully equipped laboratories. AAPS offers certificate and diploma programs in-class as well as online. Our program is comprehensive and cost effective with flexible payment plans and OSAP available for students (international and domestic).

A laboratory scene with scientists in white coats and masks working with microscopes and test tubes. The image is overlaid with a blue tint. The text 'Pharmaceutical Quality Assurance and Quality Control Program' is prominently displayed in the center. In the foreground, there are several racks of colorful test tubes (yellow, orange, pink, blue) and a flask containing red liquid. In the background, a scientist is using a microscope, and another is at a computer workstation. The overall atmosphere is professional and scientific.

# Pharmaceutical Quality Assurance and Quality Control Program

## Program Outline

The Pharmaceutical Quality Control and Quality Assurance Post-Graduate Diploma Program provides students with the comprehensive knowledge and skills in the fields of Pharmaceutical Analysis, Quality Assurance and Regulatory Affairs. All courses are delivered by experts from the pharmaceutical industry. Through this program, students have the opportunity to work in a state-of-the-art laboratory that simulates working in a GMP environment.

This program is designed to provide strong technical and practical skills needed to work in a well-regulated environment.

## Program Details

- Certifications Awarded: Post-Graduate Diploma
- Duration: 43 Weeks
- Admission Requirement: BSc. (or equivalent) or higher level of education

# Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

## **GMP1001 Introduction to Good Manufacturing Practices (GMP) Level I**

This course provides an introduction to Good Manufacturing Practices (GMP) for individuals interested in working in the pharmaceutical, biotech, or food industries.

## **PLT1005 Introduction to Pharmaceutical Laboratory Testing (Level I)**

Most commonly used pharmaceutical analysis and techniques, Good Laboratory Practices (GLP), principles of Good Documentation Practices (GDP), role of pharmacopoeias – USP, EP, BP, JP, and SOPs are covered through numerous hands on experiments.

## **Workplace Hazardous Material Information Systems (WHMIS)**

WHMIS is Canada's national workplace hazard communication standard. Any person who is exposed to hazardous materials in the workplace must be trained on WHMIS. Potential candidates who seek employment in GMP-related field will find this course practical.

## **DIS1003 Introduction to Pharmaceutical Dissolution Testing (Level I)**

History, theory, and practice of dissolution testing of pharmaceutical products according to US Pharmacopeia.



IN CLASS



IN CLASS

## Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

### **PLC1002 Introduction to High Performance Liquid Chromatography (HPLC) (Level I)**

Theory and practical implications of HPLC concepts such as; mobile phase, detection wavelength, injection volume, column chemistry, and ion pairing along with proper system and sample preparation methods. Students will perform simple HPLC analysis including identity and assay.

### **MFG1007 Introduction to Pharmaceutical Manufacturing Methods**

Using step-by-step examples and interactive exercises, this course develops participants' knowledge of pharmaceutical mixing, mixers, excipients, solutions, ointments, creams and new novel drug delivery systems such as transdermal patches, aerosols, and implants.

### **GMP2001 Intermediate Good Manufacturing Practices (GMP) Level II**

This intermediate course provides an in-depth examination of Quality Management System (QMS) in the pharmaceutical, biopharmaceutical, and medical devices industries. The course is designed to address the need for a working knowledge of designing and developing a strong and compliant quality system.

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# Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

## **PLT2005 Intermediate Pharmaceutical Laboratory Testing (Level II)**

Performing pharmaceutical analysis such as identification, physical tests, limit tests, and examining practical implications of concepts such as proper standard and sample preparation methods. Both wet chemistry as well as instrumental techniques are used extensively.

## **DIS2003 Advanced Pharmaceutical Dissolution Testing (Level II)**

Theory and practical aspects of dissolution profiling, dissolution calibrations, and dissolution multiple timepoints.

## **PLC2002 Advanced High Performance Liquid Chromatography (HPLC) (Level II)**

Practical work with HPLC, performing HPLC analytical methods such as assay, content uniformity and impurity testing.

## **PRA101 Introduction to Regulatory Affairs**

This course is designed to provide students with an overview of the regulatory requirements and processes involved in the development, approval, and post-marketing surveillance of pharmaceutical products.

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## Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

### **TWR3009 Technical Writing and Scientific Communication**

This course focuses on the technical writing skills required to prepare and review pharmaceutical documents such as Standard Operating Procedures (SOPs), change control documents, deviation reports, and other (GMP) documents.

### **GMP3001 Advanced – Good Manufacturing Practices (GMP) Level III**

This activity is designed to orient students to the Drug Development Process, clinical research process, and how clinical safety and pharmacovigilance functions within the corporate and regulatory context.

### **PLT3005 Advanced Pharmaceutical Laboratory Testing (Level III)**

Advanced physical, chemical, and pharmaceutical analysis such as assay, content uniformity and impurity testing.

### **PLC3002 HPLC Method Validation and Technology Transfer (Level III)**

Advanced level training course focuses on HPLC analytical method validation and various critical issues that need to be considered when validating HPLC methods.

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# Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

## **AUD3010 Introduction to Auditing (Level I)**

This course provides an introduction to pharmaceutical auditing for individuals interested in working in the life sciences industry. Auditing is an essential component of Good Manufacturing Practices (GMP) and is used to ensure that manufacturing processes and facilities comply with regulatory requirements and guidelines. In this course, students will learn the fundamental concepts and principles of auditing, including the different types of audits, the regulatory requirements and guidelines for auditing, and the role of the auditor in ensuring compliance with GMP.

## **AUD4010 Advanced Auditing (Level II)**

This advanced course provides an in-depth examination of pharmaceutical auditing for individuals working in the life sciences industry. The course is designed to address the need for a working knowledge of auditing principles, techniques, and methodologies in a highly regulated industry.

## **CLV3011 Cleaning Validation**

Latest regulatory requirements, industry practices and compliance strategies regarding choice of cleaning techniques, cleaning agents, analytical methods, residue challenges, grouping strategies and validation protocols.

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IN CLASS



IN CLASS

## Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program

### **PLC4002 HPLC Analytical Method Development (Level IV)**

Advanced level training course focusing on HPLC analytical method development.

### **PRA304 Chemistry, Manufacturing and Control**

This course provides a comprehensive understanding of Chemistry, Manufacturing, and Controls (CMC) in the pharmaceutical industry, including the product life cycle, manufacturing processes and controls, analytical procedures, and regulatory requirements.

### **MMR1001 Quality Assurance for Cannabis**

This Certificate course provides an introduction to the Cannabis Industry. This course focuses on the quality assurance standards, compliance requirements and relevant Regulations as set forth by Health Canada are discussed in detail. The course focuses on Quality Systems for the Cannabis Industry, and Good Production Practices, including: SOPs, Production Control, Building and Facilities, Equipment, Sanitation, Testing, Destruction and Personnel.

A close-up photograph of a person's hands. The left hand holds a black graduation cap, and the right hand holds a large stack of gold coins. The background is blurred, showing a person in a white lab coat. The text 'Career Services & Co-Op' is overlaid in white, with a thin orange line under the ampersand.

# Career Services & Co-Op

## Career Services & Co-Op

AAPS offers a dedicated Career Services Department for your career development as well as co-op job placements. We have worked diligently to develop partnerships with companies leading pharmaceutical, food and clinical companies across the GTA and Canada to provide direct industry experience to our graduates. In addition, we offer you one-on-one career management meetings with a Student Affairs Councilor, providing career advice and assistance in resume writing and honing your interview skills.

We also work collaboratively with companies to provide referral and placement services exclusive to AAPS students and graduates placing hundreds of prospective employees with leading companies!



# Job Opportunities

## Job Opportunities

Graduates of the Pharmaceutical Quality Assurance and Quality Control Post-Graduate Diploma Program may work for pharmaceutical, food, cosmetics and cannabis companies as well as testing laboratories. Employment of Quality Control Analyst and Quality Assurance Associates are in demand as each production batch must be tested prior to release. Professionals in the Quality field are in consistent demand in Canada and around the world. Job opportunities upon graduation may include:

- Quality Assurance Associate
- Process Validation Coordinator
- Quality Assurance Technician
- Quality Control Coordinator
- Laboratory Analyst
- Quality and Compliance Specialist
- Quality Control Chemist



# Organizations who have hired AAPS Graduates

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GlaxoSmithKline



NOVARTIS



AstraZeneca



AGRISAN  
Specialty Chemical  
and Pharmaceutical



Diteba



KUEHNE+NAGEL



ThermoFisher  
SCIENTIFIC



*Baxter*

## Contact Us

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