



# Pharmaceutical Quality Control

## Post-Graduate Program



AAPS

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 rows of black chairs. The audience members are seen from behind, wearing light blue shirts. A large screen at the front displays a bar chart. The room has wood-paneled walls. A large orange L-shaped graphic is in the top left corner. The text "Who We Are" is overlaid in white, with a thin orange horizontal line under the word "Who".

# 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).



# Pharmaceutical Quality Control Program

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## Program Outline

This intensive and hands-on diploma program is designed to prepare students for employment in the field of pharmaceutical laboratory. Practical physical and chemical techniques coupled with the state-of-the-art instrumentation are used for analysis of raw materials, in-process and finished products. AAPS provides training using the latest instruments and techniques including High Performance Liquid Chromatography (HPLC), Karl-Fischer Titrator, Dissolution, IR and UV-Vis Spectroscopy.

## Program Details

- Certifications Awarded: Post-Graduate Diploma
- Duration: 24 Weeks
- Admission Requirement: BSc. (or equivalent) or higher level of education



# Pharmaceutical 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.

### **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 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.

### **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.

### **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.

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# Pharmaceutical Quality Control

## Post-Graduate Diploma Program

### **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.

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

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

### **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.

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IN CLASS





IN CLASS

## Pharmaceutical Quality Control Post-Graduate Diploma Program

### **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.

### **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.

### **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.

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

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

A person wearing a white lab coat is shown from the chest up, holding two objects in their hands. The left hand holds a black graduation cap, and the right hand holds a large pile of gold coins. The background is blurred, showing what appears to be a laboratory or office setting. The text 'Career Services & Co-Op' is overlaid in white, with a thin orange line underlining 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 Control Post-Graduate Diploma Program may work for pharmaceutical, food, cosmetics and cannabis companies as well as testing laboratories. Employment of Quality Control Analyst 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 Technician
- Document Control Coordinator
- Quality Control Chemist
- Analytical Chemist
- Laboratory Analyst
- Stability Chemist
- Validation Chemist





# Organizations who have hired AAPS Graduates

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GlaxoSmithKline



NOVARTIS



AstraZeneca



## Contact Us

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