



# NACPT PHARMA COLLEGE

O/A NORTH AMERICAN COLLEGE OF PHARMACEUTICAL TECHNOLOGY  
[www.nacptpharmacollege.com](http://www.nacptpharmacollege.com)

POST-SECONDARY DIPLOMA

## PHARMACEUTICAL QUALITY CONTROL & QUALITY ASSURANCE



**Program Code:** PHA.QC.QA.DIP

**Program Duration:** 26 Weeks of  
Training with Optional Job  
Assistance program

**Inquiry:** 416-412-7374

**Call / Text:** 647-998-7374

**[info@nacptpharmacollege.com](mailto:info@nacptpharmacollege.com)**

# Admission Requirements

- Students with Minimum of Grade 12 Diploma with required science and math courses / Equivalent

## Tuition Fee

### Fee Breakdown

- Tuition Fee: \$9,900
- Books/Material Fee: \$1,500
- Lab/ PPE Fee: \$1,100
- International Student Fee: \$2,475

**Total Fee - \$14,975\***

\*Please note that the amount shown is in Canadian Dollars.



# Program Outline

## SEMESTER 1

### **GCCP01 – Good Manufacturing and Good Clinical Practices**

- Concepts and requirements necessary for compliance with Good Manufacturing Practice (GMP) and Good Clinical Practice (GCP).
- GMP controls required to manufacture drug products in Canada, the United States and in many parts of the world.
- Focus on real work industrial scenarios.

### **ILTP02 – Introduction to Laboratory Testing & GLP**

- Compliance with Good Laboratory Practice (GLP) for pharmaceuticals and biopharmaceuticals.
- Address the most important laboratory technique.
- Exposure and experience with all major pharmaceutical instruments.
- GLP guidelines widely used in pharmaceutical and related sectors.
- Understanding of instrumentations, calibration and the application of various instruments.

### **STW006 – Advanced Scientific-Technical Writing**

- Different types of technical writing.
- SOPs, Communication Methods And Issues, Validation Report Writing, Testing Methods, CofAs, CAPA, Change Control, Gap Analysis, OOT, OOS, Deviation.

## SEMESTER 2

### **HPL004 – High Performance Liquid Chromatography (HPLC)**

- HPLC/DAD fundamentals and functionality, sample preparations and system setting-up.
- Chemstation software, IQ, OQ and PQ, testing and analyzing data.
- Troubleshooting and investigations.

### **HPD001 – HPLC Method Development and Method Validation**

- Method development and method validation using the HPLC / DAD.
- Major industrial regulations in terms of developing and validating testing methods.

## SEMESTER 3

### **DIS003 – Dissolution and Dissolution Hands-on Training**

- Introduction to dissolution current testing practices, testing requirements, critical components, sample prep techniques, media preparation, sample testing, data analysis, report preparation, limitations, IQ / OQ / PQ, calibration, troubleshooting, maintenance.
- Out of specification investigation.
- Dissolution techniques, applications, USP apparatus, dissolution testing, report writing, calibration, troubleshooting.

## **GCT005 – Gas Chromatography (GC)**

- Gas chromatography history, concepts, carrier gas.
- Testing requirements, critical components, sample preparation techniques.
- Sample testing, data analysis, report preparation, limitations.
- GC-FID – IQ / OQ / PQ, calibration, troubleshooting.
- Maintenance, and out-of-specification investigation.

## **GCUV002 – GC Method Development and Method Validation**

- Method development and method validation using the GC / FID.
- Major industrial regulations, in terms of developing and validating testing methods.



For more questions  
Visit Us at

## Toronto Campus

9-5310 Finch Ave East  
Toronto, ON  
M1S 5E8

## Brampton Campus

44 Queen St E,  
Brampton, ON  
L6V 1A2

## Contact Us

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