

GOOD MANUFACTURING PRACTICE & TECHNOLOGY (Bachelor of Science)

Good Manufacturing Practice (GMP) ensures that medicinal products, medical devices and foods are consistently produced and controlled to the quality standards appropriate to their intended use.

A nationally accredited degree designed to meet the education and training needs of supervisors and higher technicians in the areas of Production, Quality Assurance and Validation in the Pharmaceutical, Biopharmaceutical, Medical Device, and Food Industries. The project is undertaken towards the end of the degree programme, when the student has completed most of the modules. The programme can be taken over 2 years or spread out over 3 or more years. Individual modules may be taken and single subject certification may be obtained.

Enquiries

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www.cit.ie/gmp



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(Bachelor of Science)

Course Code CR_SGMPE_7_Y1
Part-time Course Delivery



Graduate Profiles

Audrey Kelleher



"The practical aspect of the course concentrated on techniques that could be directly applied to industrial laboratories and pharmaceutical activities. The course allowed everyone to bring their own experiences and this combined with the detailed and informative lectures enabled the group to enhance their technical knowledge. The experience and knowledge I gained as a result of completing this course has allowed my career in QA to take a different direction and I am now the QA technical expert for the engineering department, and am involved in commissioning, validation, process improvement and problem solving."

Stephen O'Shea



"I am one of many students to benefit personally from attending CIT. I was made redundant in 2009 with a maintenance background.

This course allowed me the opportunity to up-skill and gain the knowledge and qualifications necessary to secure employment in the pharmaceutical sector. I am now employed as a Maintenance Technician at Janssen Biologics, Cork, and I feel that this assistance and support I received and the specifically designed courses greatly enhanced my re-employment prospects."

Admission Requirements

Candidates are required to have a Higher Certificate or higher in an Engineering or Science discipline. It is required that all qualifying candidates have completed modules in basic chemistry and biology and have a knowledge of GMP, to undertake the complete programme.

Advanced Entry to the BSc in GMP & Technology

The entry requirements for the BSc in GMP and Technology at CIT are the Higher Certificate in Science in GMP & Technology or equivalent.

A combination of the following three requirements will be accepted by the Institute as the equivalent of the Higher Certificate in Science in GMP & Technology for advanced entry to the BSc in GMP & Technology:

1. Leaving Certificate, 5 Ds at lower level, including English or Irish and Mathematics.
2. 5 years or more relevant work experience in the pharmaceutical, biopharmaceutical, medical device or food industry. To prove the relevance of their application the applicant will be required to prepare a portfolio.
3. The following modules of the Higher Cert in Science in GMP and Technology or their equivalent:
 - GMP1/QA
 - Information Technology
 - Chemical Principles
 - Essential Maths Skills
 - Biomolecules and Cells
 - Organic & Inorganic Chemistry

Exemptions

Applicants who have appropriate experience and knowledge of the Pharmaceutical, Biopharmaceutical Medical Devices or Food industries may be considered exempt from examination of some modules upon providing evidence via the Recognition of Prior Learning (RPL) scheme of the Institute. Visit www.cit.ie/rpl

FAQs

How much does it cost, and how is the course delivered?

€500 per module. Part-time, one module per night 6.30pm - 9.30pm. There is a considerable element of continuous assessment. Laboratory experiments are included in appropriate modules.

How do I apply for the BSc in Good Manufacturing Practice & Technology?

Apply online at <http://www.cit.ie/GMPPartTimeL7>.

Please note that applicants will be required to pay an acceptance fee of €250 online if a place on a course is offered. This fee is deductible from the overall course fee.

On completion of this course, what are the career opportunities?

Examples of career roles include:

Quality Assurance Specialist; Process Technician; Environmental Chemist; Validation Engineer; Manufacturing Support; Commissioning Qualification Specialist; and Quality Technician.

Indicative Course Content

Successful completion of the programme necessitates completion of the mandatory modules and 3 electives.

Mandatory

*Validation Science
Manufacturing Operations
Chemical Applications
Technology Transfer
Maintenance, Utilities and Facilities
People Management
Process Improvement
Project*

Electives

*Biopharmaceutical Upstream
Biopharmaceutical Downstream
Energy Management
Medical Devices
Formulation
Food Processing Technology
Free Choice Module*

Note: The running of individual modules will be dependent on a sufficient number of students enrolling on the course.