

GOOD MANUFACTURING PRACTICE & TECHNOLOGY (Higher Certificate)

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.

This is an 18-month accelerated technician course, which emphasises Good Manufacturing Practice (GMP) & Technology targeting the Pharmaceutical, Biotechnology, Medical Devices manufacturing, and Food sectors. The principal aim of this course is to provide a nationally accredited educational programme for people keen to work in production, quality assurance or validation roles within leading Pharmaceutical, Biotechnology, Medical Devices manufacturing, and Food companies. The course incorporates lectures and laboratory practicals, with site visits included in each semester's delivery. Modules are assessed by continuous assessment and end of semester exams.

Enquiries

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www.cit.ie/gmp



GOOD MANUFACTURING PRACTICE & TECHNOLOGY

(Higher Certificate)

Course Code CR_SGMPR_6_Y1

18-month accelerated full-time technician course



Graduate Profiles

Seán McLaughlin



"Previously involved in construction, this course opened new doors for me. With the knowledge and skills I developed at

CIT I have grown in confidence and since graduating with the Higher Certificate in Science in GMP I have secured employment in Abbvie Pharmaceuticals."

Claire Willis



"Upon successful completion of the course I began working in the Regulatory Affairs department for Abbott

Pharmaceuticals on a nine month contract assisting on a project involving an established pharmaceutical drug. This was a fantastic opportunity to put into practice what I had learned on the course and it was a steep learning curve and helped me gain a valuable insight and understanding of the industry from within."

Cost

No tuition fees are payable by full-time students except in certain circumstances. A registration fee is payable by those not in receipt of funding under the Student Grant Scheme (www.susi.ie).

The Department of Social Protection recognises this course for the Back to Education Allowance Scheme.

Admission Requirements

Individuals under the age of 23 must have obtained at least 5 passes at Ordinary Grade D3 in the Leaving Certificate Examinations to include English and Mathematics. Alternative Mathematics does not qualify applicants on this basis.

Applications are welcome from mature students over 23 years of age by 1st January of year of entry. Leaving Certificate is desirable but not essential. Relevant work experience; skills gained through experiential learning; and other qualifications, will be considered when assessing applications.

A standard of English and Mathematics equivalent to Leaving Certificate Examinations passes at Ordinary Grade D3 is strongly recommended and evidence of this standard of attainment may be requested at application stage.

Work Placement

The industrial placement is supported by an academic staff member together with a workplace mentor. The aim of the placement is to introduce the student to structured employment and to develop an understanding of the organisation, its procedures and technology. The placement affords the student an opportunity to apply his/her learning from the course in a practical situation.

Exemptions

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

Course Delivery Part-time

Modules of the Higher Certificate in Science are also delivered on a part-time basis (evenings). For more details, please visit www.cit.ie/gmp

Further Studies

CIT offers a part-time add-on degree, the Bachelor of Science in Good Manufacturing Practice & Technology. Graduates holding the Higher Certificate in Science in Good Manufacturing & Technology, or equivalent, are eligible to apply.

Career Opportunities

On completion of the course, graduates will be capable of:

- Applying safe practices within industry
- Assisting audits of plant facilities and manufacturing operations in accordance with appropriate GMP guidelines
- Establishing methodological systems of record keeping and file management in keeping with GMP guidelines
- Writing and using Standard Operating Procedures
- Applying scientific and regulatory knowledge, obtained during the course, to their work activities
- Carrying out technical measurements appropriate to their working environment
- Carrying out appropriate quality control procedures
- Understanding validation, contamination control and cleanroom principles
- Understanding key unit operations in the Pharmaceutical, Biotechnology, Medical Devices, or Food industries

FAQs

I have some previous work experience within these industries, can I apply for an exemption from some modules?

Applicants who have appropriate experience and knowledge of the Pharmaceutical, Biotechnology, Medical Devices, or Food industries may be considered exempt from

Mandatory Modules

cGMP1 and Quality Assurance
Essential Maths
Chemical Principles
Biomolecules and Cells
Information Technology
Creativity, Innovation and Teamwork
Microbes, Enzymes and Energy
Measurement Science
Health and Safety/Environment
Contamination Control
Cleanroom Management
Lean Manufacturing
Calibration Science
Introduction to Probability & Statistics
Work Placement

examination of some modules upon providing evidence via the Recognition of Prior Learning (RPL) (refer to www.cit.ie/rpl).

Will I be able to meet the academic requirements of the course?

CIT Academic Learning Centre offers a wide range of supports which are free for students to enable them to be successful in their studies (refer to <http://alc.cit.ie>).

Does this course have a high mature student intake?

The course mainly attracts mature students from a wide variety of backgrounds.

Should I have studied science in second-level school before taking this course?

No, while it is helpful, you can take the course and be successful without having studied science to Leaving Certificate level. Do expect to have coursework to complete after lectures in the evenings.

Are graduates of this course successful in finding jobs?

78% of graduates over the last 3 years found employment in the Pharmaceutical, Biotechnology, Medical Devices, or Food industries after graduation.

Indicative Course Content

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

Electives Modules

Quality Assurance in Food
Manufacturing
cGMP2 and Quality Control
Introduction to Industrial
Biotechnology
Manufacturing Technology