



GetReskilled

CPD Certificate in eBioPharma Chem (DT698)

Full Time | Part Time | Online



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Make a Career Change into the Pharmaceutical Manufacturing Industry in the Shortest Time Possible with this Online Program

Why Switch to Pharma?

- Provide for your family with a stable, safe and secure job.
- The industry supplies well paying jobs with wages running 30% above average.
- It doesn't suffer from cyclical ups and downs and has performed well throughout many dips in other sectors.
- The industry has demonstrated consistent year on year growth, and with an ever expanding ageing population worldwide, it will continue to have excellent prospects for growth for many years to come.
- It offers rich opportunities for career growth with a variety of new and exciting career paths opening up. The **Certificate in e-BioPharmaChem** is a 30-week, part-time, online programme. You will develop the skills and knowledge necessary to take up a job similar to your current role but within the Pharmaceutical / MedTech manufacturing industry.

Program Overview

This course covers the modern BioPharmaceutical science and engineering concepts along with the equipment, processes, facilities and systems which you need. You will learn the processes used to manufacture these products in line with the various worldwide regulations and current Good Manufacturing Practices (cGMP) guidelines.

- **Retrain for a New Career** - 80% of our trainees secure new employment within 6 months - 40% actually secure employment before they even graduate.
- **Academically Accredited by the [Dublin Institute of Technology, Ireland](#)** - This certification along with the portfolio building assignments that you'll complete during the programme will confirm your capabilities for the manufacture safe medicines, to potential employers.

- **Delivered Online** - This course is delivered online so you can complete it from the comfort of your own home, at your own pace, and get the qualification you need to get a start a new career in this sector.
- **Build a Portfolio** - The program is designed so that **end of module assignments** can be compiled into a portfolio for students to take to job interviews and demonstrate their knowledge.
- **Gain Transferable Skills** - In addition to the technical materials covered, you'll also gain transferable skills including working on your own initiative, report writing, communication and IT skills.
- **Study all the way to a Degree** - The Certificate in e-BioPharmaChem qualification accounts for the first 25% of a BSc degree in the Manufacture of Medicinal Products (DT-291). Once you've completed this programme, you might choose to apply to study our eValidation and eManufacturing modules, which make up the final 75%.

Career Coaching Included

The programme includes a concurrent 25-week Advanced Job Hunting Skills course. Our HR specialists will guide you along the complex path of getting a job in this hi-tech, highly regulated manufacturing sector. Over the 25 weeks, you will complete a minimum of 100 job applications.



"I found the course was run very professionally, The course notes and videos supplied were excellent, the notes tied in very efficiently and accurately with the videos. Dr Joe Brady's presentation on the videos and his expertise and help at the webinars was outstanding. I found it very easy to continue studying even though I found employment 2 months into the course."

Denis Hegarty

Who is this course for?

This course is perfect for anyone who would like to pursue a career in the pharmaceutical or medical device manufacturing industry, who has experience in any of the following backgrounds:

- Manufacturing
- Science/Laboratory
- Food Processing
- Quality Control
- Quality Assurance
- Process Engineering
- Production Engineering
- Chemical Engineering
- Project Engineering
- Design Engineering
- Maintenance Technology
- HVAC/Cleanroom Maintenance
- Project Management
- Automation/Instrumentation
- Construction
- Logistics/IT

“I can Study Around Work and Family Commitments”



“I decided to take the course with GetReskilled as I wanted to return to work and gain experience. I also like the fact that the Certificate is part of a Degree programme. The online experience is working well for me as I study around work and family commitments.

I would also recommend this course for anyone that wants to make the transition into the Pharmaceutical and Medical Device Manufacturing industry and is interested in building a successful career in this area.

The companies I applied for were impressed. I am currently working in Boston Scientific manufacturing Balloon Catheters that are used in Gallstone patients.”

Regina McNamara - Boston Scientific



"I found this course very beneficial and I am delighted that, even at early stages in the course, it has already provided me with the opportunity to secure a position within the pharmaceutical industry."

David O'Shea

What Jobs Can I Get?

The type of jobs you could get will depend on your background.

If you have a manufacturing background:

- [Process Technician](#)
- [Packaging Operator](#)
- [Production Supervisor](#)

If you have a quality background:

- [Quality Assurance Associate](#)
- [Quality Control Associate](#)
- [Quality Engineer](#)
- [Documentation Specialist](#)

If you have an engineering background:

- [Process Engineer](#)
- [Project Engineer](#)

- [Manufacturing Engineer](#)
- Instrumentations Engineer

If you have a maintenance background:

- [Maintenance Technician](#)
- [Calibration Technician](#)
- [Facilities Engineer](#)

If you have a science background:


- [Laboratory Technician](#)
- [Microbiologist](#)

No experience In These Areas?

- [Packaging Operator](#)
- [Process Technician](#)

For each of these roles, while a degree can be useful, it is certainly not always necessary to work in the industry. The key skills need to work in the industry are:

- **Attention to detail** – you must follow SOP's (Standard Operating Procedures) closely and must observe all features of the clean room environment thoroughly.
- **Alert** – you must be able to quickly identify when the process is deviating from the norm.
- **Calm under pressure** – you must be able to confidently address problems if they arise, take appropriate action and involve others when needed.
- **Numerical skills** – there can be formulas to follow and numerical factors to consider when following protocols and procedures.
- **Good communication skills** – good writing skills are important to ensure clear documentation. Good verbal and listening skills are important to ensure efficient transfer of information between staff members (keeping in mind that these might be high pressure situations when troubleshooting problems).
- **Good computer skills** – much of the documentation of processes is done via computer systems.

A woman wearing a white lab coat and a hairnet is operating a piece of industrial machinery. She is looking at a control panel with various buttons and a digital display. The machinery is white and blue, and the background shows a clean, industrial environment with glass partitions and overhead lights.

"This course is excellent. It is very well delivered through weekly lectures and webinar tutorials which entail self-assessments at the end of each week and gave me invaluable experience required to advance in this new sector."

Louise Dineen

“Structurally Well Planned with the Opportunity for Practical Application”



“I found the course to be interesting, structurally well planned with the opportunity for practical application of the course modules through various assignments.

I have worked in the Medical device/Pharmaceutical and Food industries and found the course to be extremely relevant to all industries.

From URS to PQ, this course provides the relevant learning materials and will help you develop your skills to master validation projects.”

Sharon Egan - GlaxoSmithKline

Program Content

Code	Title
VOMP3001	Fundamentals of Pharmaceutical Manufacturing Technologies
VOMP3002	Commissioning & Qualification of Equipment Systems
VOMP3003	Chemistry for API's

VOMP 3001 Fundamentals of Pharmaceutical Manufacturing Technologies:

This module will give you a broad understanding of pharmaceutical manufacturing technologies, the rules that govern manufacturing and the guidelines on how these rules are applied along with the risk management tools to be used when making decisions that could impact the safety of the medicines being manufactured.

- Manufacturing Safe Medicines
- GMP's and Quality Management Systems
- Good Automated Manufacturing Practices (GAMP)
- API Manufacturing Technologies
- Biopharmaceutical Manufacturing Technologies
- Cleaning Validation
- Medical Devices and Sterile Manufacturing
- PQ OQ IQ

Towards the end of the module you will be given a graded assignment to complete at home and submit for grading

VOMP 3002 Commissioning & Qualification of Equipment Systems:

This module explains the engineering documentation used to specify and design equipment or systems in a manufacturing facility – and how to develop the test protocols (IQ, OQ) to ensure that it operates as intended and meets the regulatory requirements.

- Interpreting P&ID's
- System Impact Assessment & Traceability Matrix
- Installation Tests & Equipment Verification
- Piping Isometrics & Checksheets
- Instrument Loops & Checksheets
- URS & Functional Testing
- Assembling the Validation Protocol
- Validation Protocol Final Review

Towards the end of the module you will be given a graded assignment to complete at home and submit for grading.

VOMP 3003 Chemistry for API's

The aim of this module is to provide a foundation in the general chemistry necessary to appreciate the fundamental concepts involved in the chemistry of API (Active Pharmaceutical Ingredients) required for the manufacture of medicinal products.

Theory

- Chemistry and Matter; Atomic Theory
- The Periodic Table and Bonding
- Stoichiometry
- Acids and Bases Recrystallisation
- Introduction to Organic Chemistry

Practical Laboratory:

You will need to complete a full day laboratory during the remaining 5 weeks of the module. We will release preparatory material before the lab for you to study, review and print out.

Note: Labs are always held on Saturdays at the Dublin Institute of Technology. Special arrangements will be made for non-Irish residents.

Admission Criteria:

This is a technical training programme for people coming from a manufacturing, science, engineering, quality or logistical background looking to work in production, engineering and quality roles within the pharmaceutical, biopharmaceutical or medical device manufacturing sector.

Recognised prior learning (RPL) will be taken into account in assessing applicants for this programme.

Format and Delivery:

- Each week, you'll complete a series of videos, quizzes, interactive activities and projects through our online platform, available to access 24/7.
- Online courses can start off great, but staying motivated can be a challenge. So, you'll get regular feedback reports (and emails or phone calls if you fall behind!) to keep you on track.
- Because it's online, there are no long commutes, traffic jams or crowded trains to deal with on the way to class. Study at home after the kids have gone to bed.
- Your working schedules are unpredictable so we offer flexible delivery. Slow down, speed up or pause the delivery of the course.

Duration:

The programme will take approximately 30-weeks, dependent on class schedule.

Accreditation

The completion of all 3 modules will lead to an academically accredited CPD certificate in eBioPharma Chem (DT 698) awarded by the Dublin Institute of Technology. This forms 25% of a Baccalaureate Degree (DT291) in the Manufacture of Medicinal Products.



Why GetReskilled?

We have retrained over 3,350 experienced workers in the last 7 years into new jobs and careers. These people have come from engineering, science, maintenance, quality and manufacturing backgrounds in other industries and sectors. In addition:

- 81% of our 2016 graduates found a new job in 6 months, with over 40% of them securing a new position even before they completed our programme.
- Our newly qualified students are working for over 50 companies including Pfizer, Eli Lilly, Roche, Novartis, GSK, Teva, Johnson & Johnson, Amgen, Takeda, Boston Scientific, MSD, and Abbvie.
- We're serious about helping you find a job. As well as your pharma course, you'll have access to our career coaching program where we'll teach you how to find a job in this sector. And we produce a huge amount of resources to help you with your job hunt, Ireland, UK, USA
- You're never by yourself. Your course coordinator helps you stay on track and you help you finish the course.

“Material was Delivered in an Engaging, Interesting and Supportive Way”



“Having faced a career change in the middle of an economic downturn, I lost some of myself confidence and needed a major boost.

The area of Biopharmaceutical operations and validation was of interest to me as it does play an important role in the pharmaceutical industry at present.

The administration staff and lecturers at Getreskilled/DIT are first class and the course material was delivered in an engaging, interesting and supportive way. I have now been working at Johnson and Johnson Vision Care as Validation Engineer in Limerick and I look forward to putting what I have learned into practice.”

Mehmet Hascan - Johnson&Johnson



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