

Conversion Course into Pharmaceutical Manufacturing

Part Time | Online



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Welcome

Take the first step into the pharma industry with this short conversion course. You'll quickly find out if a career in pharma is right for you.

If you are looking to get started with a mid-career change then this is the course for you.

We deliver this 15-week program completely online so you can study at home (or anywhere) on your own schedule and fit this program into your busy life.

- Join 1,500 people who have taken their first step into pharma.
- Our alumni are now working with top pharma companies including Pfizer, Johnson & Johnson, Novartis, Roche, Amgen, GlaxoSmithKline, Abbott, MSD, and many more.
- The pharmaceutical and medical device manufacturing industries are especially attractive right now, providing a strong and stable career option.

Program Overview

Who is this program for?

You want to retrain for a starter level job in the pharmaceutical or medical device manufacturing industry.

You **don't** have any previous manufacturing industry experience.

You **don't** have a science or engineering qualification.

You want to meet the minimum academic requirements to take our follow-on university accredited programs.

What can you expect?

This program is delivered online via our learning management system using a mixture of short (10-minute) videos, downloadable notes, case studies, and worked examples. You can also communicate with us and your classmates through discussion boards.

You'll get end of week progress checks by us to MAKE SURE you finish the program.


You'll participate in our robust job hunting module that will seriously help you find a job.

There is regular & ongoing access to a dedicated career coaching counsellor.

The end of module assignment that offers you the opportunity to solidify your knowledge and apply the content in a real-world situation.

Who are the Lecturers?

All our lecturers have worked, or continue to work, in the industry and have years of frontline industry and regulatory experience. They will deliver the most up-to-date course content while blending their insights and experience into a program that gets you results.

A close-up photograph of a person in a laboratory setting. The person is wearing a white lab coat, a white surgical mask, and clear safety goggles. They are looking through the eyepiece of a large, grey and black compound microscope. The background is slightly blurred, showing other laboratory equipment and a clean, professional environment.

"Reading materials are provided to read through and a short video helps to emphasize the more important points in each chapter. It is flexible as I am able to read and learn during my free time and does not compromise on my working hours. I can also plan my time more efficiently."

Ng Chieh Yin, Merck & Co.



*"I would definitely recommend
the program to my ex-colleagues
knowing and experiencing the
benefit upon attending the program
myself"*

**Ms. Chong Yit Cheng, Rachel,
Baxter Healthcare SA**

Program Content

Conversion Course into Pharmaceutical Manufacturing

Course Overview:

This course will introduce you to the manufacturing of safe medicines and medical devices in a GMP (Good Manufacturing Practices) regulated environment.

You will learn about manufacturing technologies and the regulations which govern them, as well as cGMP (current Good Manufacturing Practices) enforcement - why it is important and why the rules are so strict.

You'll also then complete our Advanced Career Coaching module where you'll learn about the different types of jobs available in pharma manufacturing and complete activities that will help you decide which ones would be right for you. You'll go on to learn strategies, tips, and best-practices for job hunting in this industry.

By the end of the module you'll have a solid technical understanding and be confident in the steps needed to carry out a successful modern-day job hunt.

Core Content:

The course examines the 4 key areas of manufacturing safe medicines and medical devices.

Here's what you can expect from each area (and don't worry if this all sounds a little confusing just now, we don't expect you to know any technical terms before you start):

Weeks 1 & 2: Industry Regulations and Guidelines

- Finished Medicinal Products
- Focus on Patient Safety and Product Quality
- ISO- 9001 'Quality Manufacturing Systems - Requirements'
- Product Quality and cGMP Practices
- Regulatory Guidelines for API Manufacturing
- ICH Q10 Continual Improvements
- Quality Systems Regulations - Manufacturing
- FDA Medical Device Rules
- Medical Device Regulations and Guidelines

Weeks 3 & 4: Process Validation and Documentation

- Process Validation
- ASTM E2500 'Specification, Design & Verification of Manufacturing Systems'
- PQ, OQ, and IQ
- Cleaning Validation
- Introduction to Quality Risk Management
- Fault Tree Analysis (FTA)
- Failure Mode Effects Analysis (FMEA)
- Documenting the Quality Risk Management Process

Weeks 5 & 6: Key Manufacturing Technologies

- Batch Organic Chemical Synthesis
- Biopharmaceutical Manufacturing
- Tablet Manufacturing
- Aseptic & Sterile Manufacturing

Weeks 7 & 8: Supporting Technologies

- Purified Water Generation, Storage and Distribution
- Clean Steam
- Water for Injection, Storage and Distribution
- Engineering Aspects of Cleaning
- Chemistry Aspects of Cleaning
- Steam Sterilisation
- HVAC for Non-Sterile Manufacturing
- Cleanroom Layout
- Area Classification Protection
- Cleanroom Gowning
- Cleanroom Monitoring

Weeks 9 & 10: Assessment

You'll spend 2 weeks completing assessment activities and a workshop.

That completes the technical learning of the program.


Weeks 11-14: Advanced Career Coaching

Our specially designed job hunting module that gives you all the information you need for a successful job hunt in the pharmaceutical and medical device industries.



"Along with the technical training in Pharmaceutical Manufacturing, the course providers also offers assistance with CV Preparation and Interview Technique specific to the Pharmaceutical Manufacturing Industry".

Mr. Lian Bee Kwang, Lonza Biologics



"In my new role in GSK Biologicals working as a Quality Assurance Executive, I can apply what I have learned from this Training Programme as I assist in validation deliverables review to assure validated status of facility. I have gained extensive knowledge from this Program"

Ms. Liao Peiqi, GSK Biologicals

In this module you'll cover topics including:

- The types of industry jobs you'd be suitable for and where to find them
- CV writing best-practice
- Interview preparation
- How to network in a new industry
- Using social media in your job hunt
- Cover letters
- Speculative applications
- How to tailor your applications to each individual job advert

Week 15: Assessment

The Advanced Career Coaching module is assessed via a mock application for a real job advert. You'll complete a 9-step application process simulation for a pharma or medical device manufacturing job, using the relevant tools and techniques.

Study 8 to 12 Hours Per Week

You will need to study between 8 and 12 hours per week depending on your prior experience and familiarity with the materials.

You'll complete this module with 15 weeks of part-time study.

Generous Flexibility on the Schedule

We offer generous flexibility on the delivery of our courses. If you're keen to get moving quickly we can speed up the schedule. But if you have to take a break or slow down your studies for a week or two, that's no problem either. This program works to fit your schedule.

Easily Juggle Your Study with Work and Home Life Commitments

Classroom-based courses can be tough on your schedule. Taking this program online makes juggling study with your work and home life so much easier.

No long commutes, traffic jams, or crowded trains to deal with on the way to class. Just put the kettle on, get comfortable, and study at the times you want.

90% Course Completion Rate

We work with you to give you every chance at successfully completing this course. Your course administrator will **personally check your progress every week** and follow up by email or even a phone call to keep you on schedule if necessary.

Complete an End of Module Assignment

Ongoing completion of course materials and the final course assignment have the extra benefit of creating a portfolio of technical knowledge that you can take to industry interviews to demonstrate what you've learned.

Certification

This module is individually certified by GetReskilled, subject to the following criteria:

- Passing a written or oral exam on the course materials
- The submission of all assessments and the end of module assignment

Admission Criteria

This is a technical training programme suitable for anyone looking to decide if a mid-career change into the pharmaceutical and medical device manufacturing industry is right for them.

You **do not** need previous industry experience or a science or engineering qualification.



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