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DIPLOMA in BIOLOGICS & PROCESS TECHNOLOGY

NYP Nanyang
Polytechnic

*BIOLOGICS: BIOTECH MEDICINES OF THE FUTURE
produced by living cells*



Many of the new medicines worldwide are now created from living cells. Globally, there is also a growing trend of pharmaceutical companies focusing on biopharmaceuticals.

The Diploma in Biologics & Process Technology is the **first and the only course** in Singapore that combines biological and chemical sciences with engineering concepts, and with a strong emphasis on biopharmaceutical technologies.

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"Everything we do at Genentech is motivated by a desire to make a difference in the lives of patients with serious and life-threatening diseases." – Genentech, a Fortune 100 best employer

"We want to discover, develop and successfully market innovative products to prevent and cure diseases, to ease suffering and to enhance the quality of life." – Lonza, one of Singapore's pioneer large-scale commercial biologics plants

Come and join the biologics industry, the industry that produces the essential ingredients for tomorrow's life-saving medicines, delivered to patients in the region and beyond!

WELCOME to the WORLD of BIOPHARMACEUTICALS

WHAT IS BIOLOGICS?

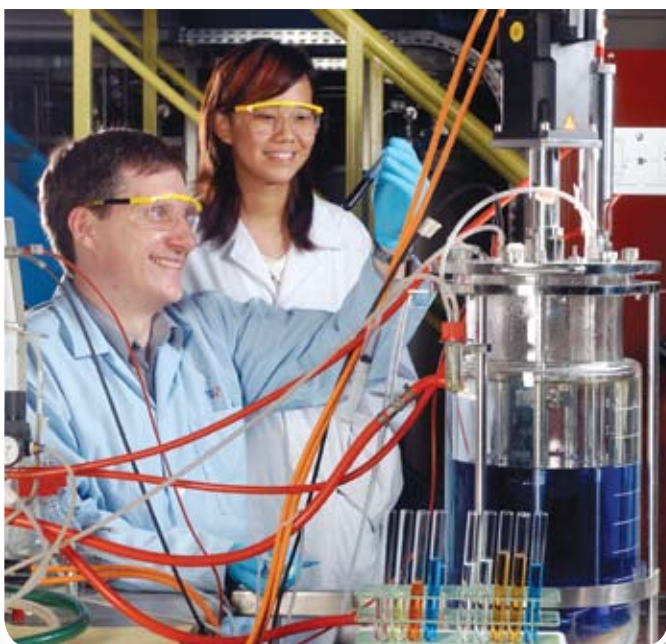
Biologics - or biopharmaceuticals as they are also known - are medicinal products made from living cells such as proteins and hormones.

Unlike normal tablets and pills which are often produced by chemical reactions, biologics are medicinal products derived from a variety of natural sources – animal cells or microorganism - by biotechnology methods.

Biologics have been used to treat cancers, arthritis and other serious diseases. Some well-known examples are insulin and vaccines which are injected into the body.

Biologics are high-value drugs which are termed as the medicine of the future. Research scientists believe that in the coming years, biologics will offer a cure for cancer and for diseases like Alzheimer's.

Be part of this new wave! Check out http://www.nyp.edu.sg/SCL/bpt_main.html



This course is for you if you are:

- eager to unlock the secret of vaccine development and production
- intrigued by the manufacturing of useful and specialised high-value drugs
- interested in the making of genetically modified organisms that save lives and benefit mankind
- keen to have fun working with DNA, proteins and cells in NYP's state-of-the-art biologics laboratories
- fascinated by the designing, simulating and optimizing of chemical process operations

Course Prospects

Depending on your area of interest, you can find employment in the biologics, chemical and pharmaceuticals industry as a:



- Process technologist or engineering assistant
- Technical expert in sales and marketing
- Laboratory technologist in QC and R&D laboratories
- Quality assurance specialist
- Clinical trial executive in the research institutes or hospitals

A large proportion of diploma graduates pursue further studies, either in local or overseas universities. Through Nanyang Polytechnic's linkages with well known overseas institutions, you can expect to receive advanced standings in your quest to obtain higher qualifications.

INTERESTED? Contact us!

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General Enquiries

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