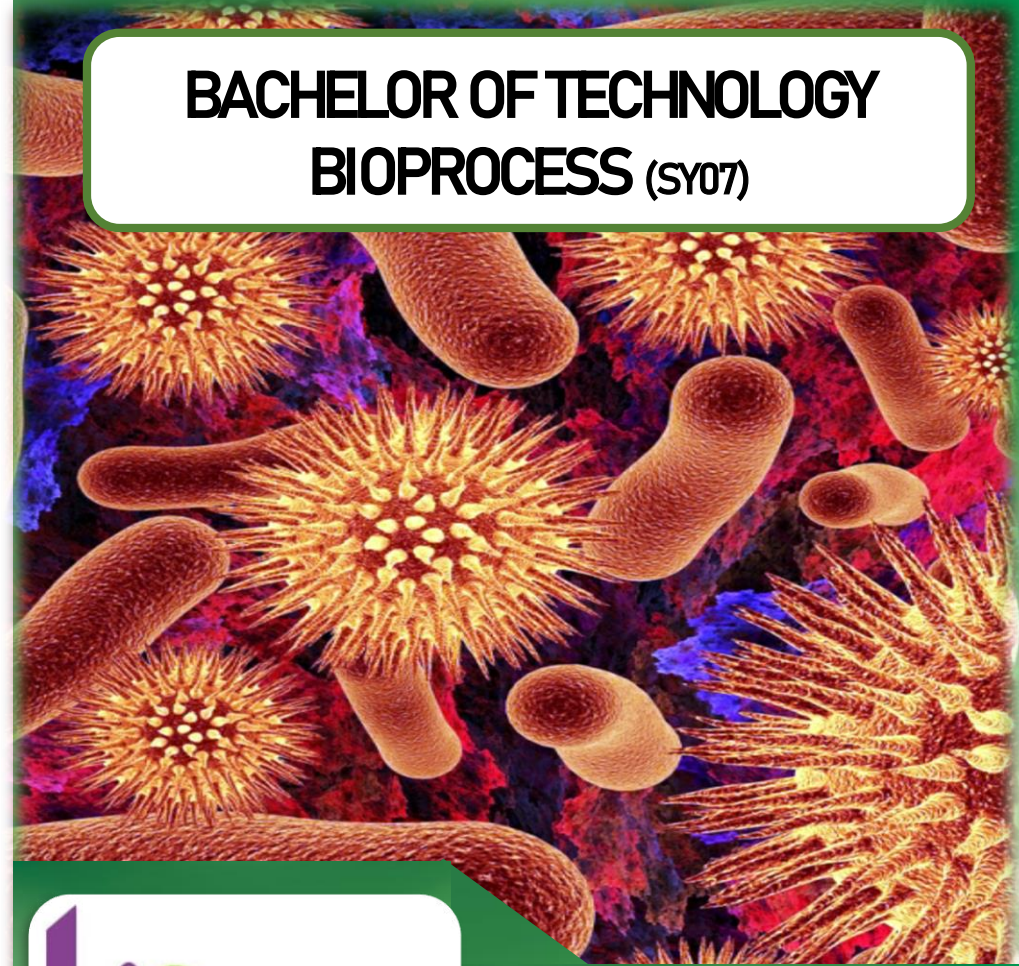




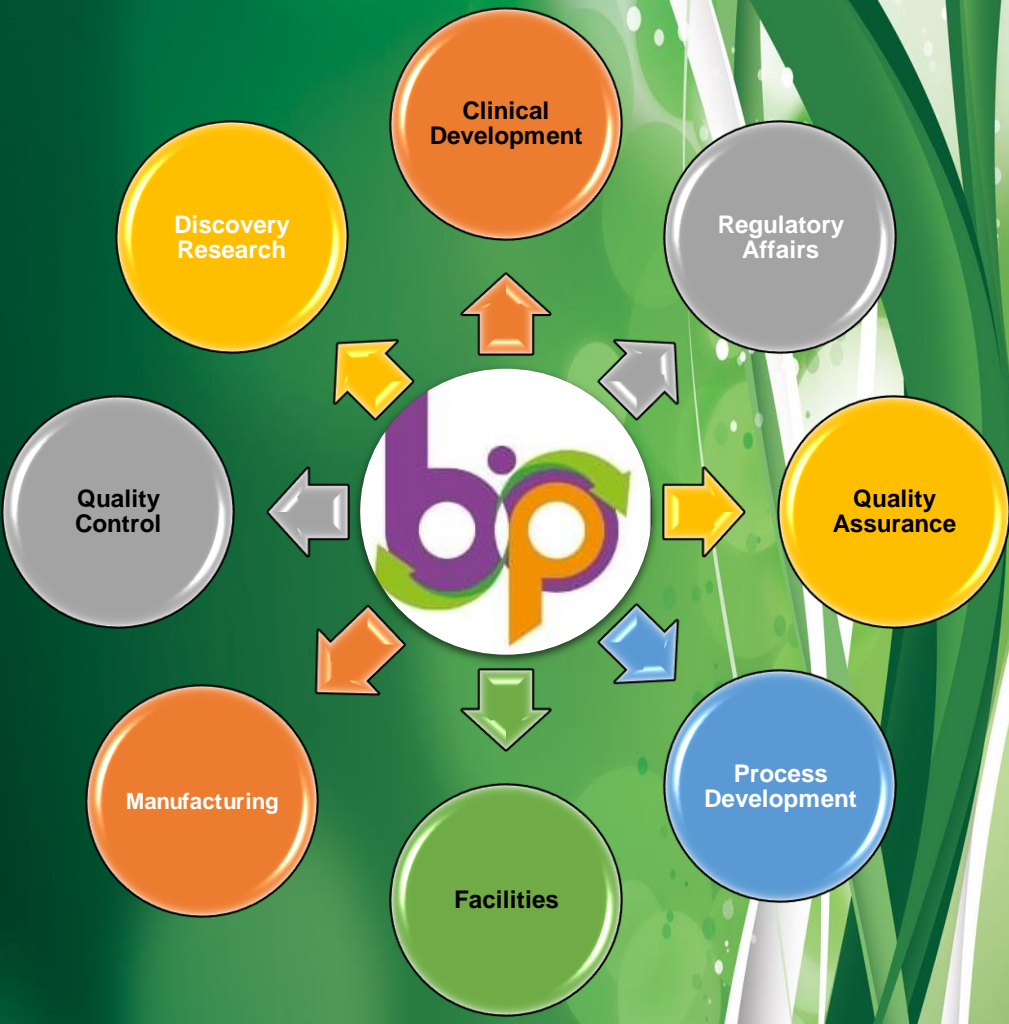
UNIVERSITI SAINS MALAYSIA



# BACHELOR OF TECHNOLOGY BIOPROCESS (SY07)



Every Cell Counts



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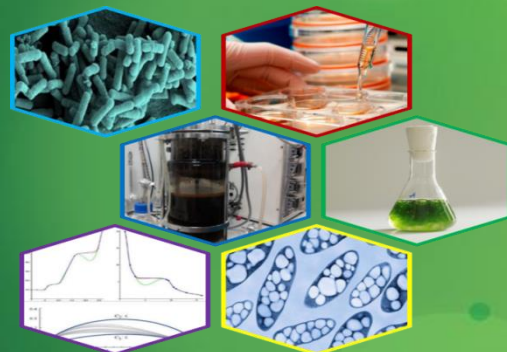
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# Our Programme

Bioprocess Technology is the sub-discipline within Biotechnology that combines living matter, in the form of organisms or enzymes, with nutrients under specific optimal conditions to make the desired product. The discipline is responsible for translating discoveries of life sciences into practical and industrial products, processes and techniques that can serve the needs of the society.

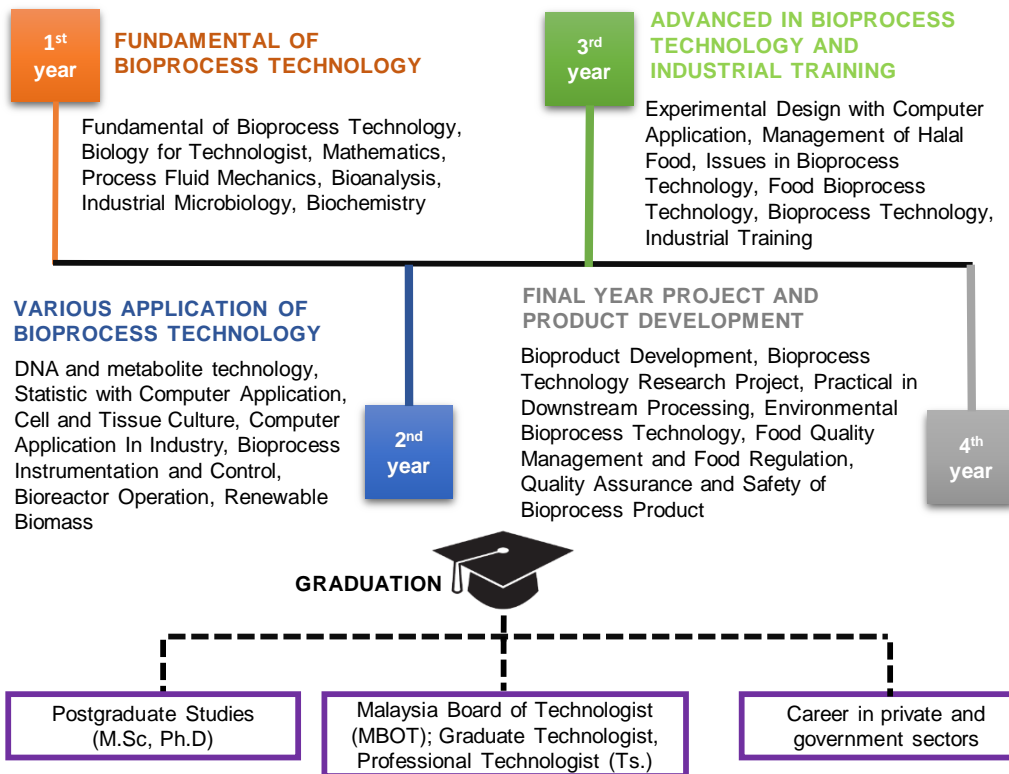
## Multi-disciplinary



## Bioprocess Technology covers several fields:

- Fermentation Technology
- Enzymology/ Enzyme Technology/ Biocatalyst
- Waste Treatment Through Bioprocess Technology
- Pharmaceutical Bioprocess Technology
- Biochemistry/ Metabolite Technology
- Process Control/ Automation
- Food/ Nutraceutical Bioprocess Technology
- Bioprocess Technology (inter-discipline)

## ● Bioprocess Technology Timeline



## ● Entry Requirements

- Sijil Pelajaran Tinggi Malaysia (STPM)
- Matrikulasi Kementerian Pengajian Malaysia (KPM)
- Asasi Sains, Asasi UiTM (Universiti Teknologi MARA)
- A-Level, IB, USMAT, SAM, etc

Scan QR code for further information



<https://bit.ly/2RCd3s4>

## ● Future Career

Bioprocess Technologists are needed in industries involved with research, development, innovation and manufacture of biomaterials such as vaccines, enzymes, antibiotics, food and agricultural products and pharmaceutical supplements.

- Quality control (microbiologist, biochemist, chemist, cell biologist)
- Scientist
- Biostatistician
- Data associate
- Manufacturing associate
- Health and safety manager
- Maintenance manager
- Process developer

## ● Yes, this programme is suitable for you if you are

- ❖ Determined in exploring the world of bioprocess technology
- ❖ Seeking the natural processes in bioproduct development that is high in demand
- ❖ Enthusiastic in exploring the interdisciplinary approach in solving environmental issues

## ● Facilities



Bioreactors



Laminar flow for cell cultivation

## ● Technologist Campus Life

