



# INDUSTRIES

- IT-BPM
- Manufacturing
- Public Administration and Defense
- Compulsory Social Security
- Ownership, Dwellings and Real Estate
- Wholesale and Retail Trade



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Career  
Information  
Pamphlet  
Series of 2022

This Career Information Pamphlet aims to provide relevant and useful information in exploring career options and prospects in various industries considering the current landscape in the world of work.

The CIPs intend to guide job seekers, professionals, researchers, and policymakers on the nature of various jobs, educational requirements, skills and competencies, relevant attributes, employment opportunities, and the cost of training.

Actual requirements may vary based on the hiring institution's/ organization's discretion.



Republic of the Philippines  
DEPARTMENT OF LABOR AND EMPLOYMENT  
Bureau of Local Employment  
Intramuros, Manila



# Biomedical Engineer



Republic of the Philippines  
DEPARTMENT OF LABOR AND EMPLOYMENT  
Bureau of Local Employment  
Intramuros, Manila





## QUALIFICATIONS

Requires a degree in BS Manufacturing Engineering and Management with specialization in Biomedical Engineering / BS Biomedical Engineering, Applied Physics, or Chemical Engineering.



## COMPETENCIES

Knowledge, Skills and Attributes

### Technical Skills

Applied mathematics, sciences and principles of engineering to solve complex biomedical engineering problems. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. Design solution, system, components, processes, exhibiting improvements/innovations that meet specified needs.

### Soft Skills

Function effectively as a member of a diverse team to provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

## COST OF EDUCATION AND TRAINING



Public/State University and College average per semester

By virtue of Republic Act 10931, undergraduate students accepted to SUCs are covered for free tuition and other school fees.

Private University/College average per semester

Php 30,000 - Php 70,000

Certifications/Training (average)

National Certificate on Mechatronics is one of the basic trainings you can get at TESDA



## EMPLOYMENT PROSPECTS

Employment of Bio Engineers and Biomedical Engineers is projected to grow 6 percent from 2020 to 2030, about as fast as the average for all occupations.

Over the decade, about 1,400 openings for Bio Engineers and Biomedical Engineers are projected each year on average. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

## PROSPECTS FOR CAREER ADVANCEMENT

May practice as a Specialist in solving complex biomedical engineering problems leading to improvements and innovations, while considering the environmental, social, and economical requirements. Assumed leadership position in industry, academe, government, or private sector with consideration to social and ethical responsibility.

Possible engagement in lifelong learning through further studies, research, certifications, promotions, and other personal and professional development activities.



## AVERAGE MONTHLY SALARY

ENTRY LEVEL	Php 40,000
MID - LEVEL	Php 60,000
SENIOR LEVEL	Php 90,000