

# Biomedical laboratory scientists out of the laboratory

What can I do with a major in biomedical laboratory science?

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Biomedical laboratory scientists are healthcare professionals highly trained in the art and technology of clinical laboratory medicine. They are employed in hospitals, clinics, pharmaceutical companies and research. Biomedical laboratory scientists are responsible for providing clinical test data to physicians, they are like the physician's eyes, and physicians must rely on these test reports to make the most correct diagnosis for the patient.

In Taiwan, according to our statistics, there are about 20,000 people with biomedical laboratory scientists licenses, but only about 9,000 of them actually work in hospitals and laboratories. There are many reasons for choosing different employment directions. According to personal interests, the manpower needs of the job market in various industries in the general environment, and the characteristics of the work content are all related to whether the biomedical laboratory scientists chooses to work in the laboratory.

Rapid developments in laboratory medicine and technology have led to constant changes within the biomedical laboratory scientist profession. The ability of biomedical laboratory scientists to acquire new knowledge and positively contribute to further development is the greatest guarantee that medical laboratories will be able to adapt to the needs of patients and the health services also in the future. This requires the education of sufficient numbers of biomedical laboratory scientists and for educational programmes to be adapted to the future need for expertise in biomedical laboratory science.

The content of some jobs may not directly perform clinical examination tests, but these jobs require the background of biomedical laboratory scientists, so that they can achieve their goals more quickly and effectively in these related fields, or after a certain degree of training, these biomedical laboratory scientists can perform more professional work content, even legal review.

With the growing development of precision medicine, the use of biological genetic analysis methods to provide more accurate personalized medicine has become a trend, so biomedical laboratory scientists have developed another career field. Whether it is precision medicine molecular testing, or bioinformatics data analysis requires the assistance of these professionals.

Due to the characteristics of biomedical laboratory scientists in the process of developing education, many biomedical related industries are in great need of talents with these abilities and characteristics. Here, I will share with you the current development of biomedical laboratory scientists in Taiwan and provide a reference for future biomedical laboratory scientists education and talent training.