

**Graduate Profile of
Bachelor of Science (Honours) in Medical Laboratory Science**

Qualification Title	Bachelor of Science (Honours) in Medical Laboratory Science 醫療化驗科學（榮譽）理學士
Qualification Type	Bachelor's Degree
QF Level	Level 5
Primary Area of Study and Training	Medicine, Dentistry and Health Sciences
Sub-area (Primary Area of Study and Training)	Medicine
Other Area of Study and Training	Not applicable
Sub-area (Other Area of Study and Training)	Not applicable
Programme Objectives	<p>The objectives of the Programme are:</p> <ol style="list-style-type: none"> 1. Provide students with knowledge and skills in clinical and laboratory aspects of modern laboratory medicine; 2. Develop students' understanding of all the foundation scientific knowledge and skills for preparing their practice as Medical Laboratory Scientists; 3. Provide students with adequate clinical and analytical skills through substantive practical and clinical training sessions/placements, both at the College and in medical laboratories in public and private sectors; 4. Enhance students' interpersonal skills, including teamwork and communication skills; 5. Develop students' critical and creative thinking as well as analytical and problem solving skills; 6. Nurture students' appreciation of value of life and develop their empathy for fellow citizen's health and well-being, thus better-preparing them as a caring professional healthcare provider; and 7. Expand students' understanding and appreciation of other cultures and environments.

Programme Intended Learning Outcomes

Upon completion of the Programme, students will be able to:

1. Apply critical, creative thinking and analytical skills in problem-solving and decision making and use of basic knowledge and skills in integrating research studies, evaluating and utilizing research findings in clinical laboratory practice.
2. Assess scientific methods and design of experiments to test hypotheses and thereby experience the process of laboratory investigations and technology discovery.
3. Contribute to the future of the population at large through commitment to life-long and life-wide learning and uphold the ethical, legal and professional standards of medical laboratory practice.
4. Acquire appropriate foundation knowledge in theory and practice of Medical Laboratory Science according to prescribed laboratory standards set by the Supplementary Medical Professions Council.
5. Develop the skills in analysis, presentation and interpretation of results of clinical laboratory data in relation to health / disease of individuals.
6. Demonstrate professionalism by working in accordance with good and safe clinical laboratory practice.
7. Demonstrate administrative skills consistent with philosophies of quality assurance, laboratory education, client relations and resource management.
8. Apply the fundamental tenets of medical science including, but not limited to, human biology, microbiology, medical physics, statistics taking into account the relationship between medicine, individual and society, including contemporary ethical and legal issues in animal and human research.
9. Demonstrate effective communication skills and be proficient in both Chinese and English, acquire a solid foundation in general education as well as good social, interpersonal skills and teamwork spirit.
10. Demonstrate social awareness and understanding of the community roles and value of non-profit

	organizations in terms of their missions, culture and overall impact and significance in Hong Kong.
Education Pathways	<p>Graduates of the Programme should be able to pursue further study in postgraduate programmes such as:</p> <ul style="list-style-type: none"> • Master of Medical Science (Pathology or Microbiology), The University of Hong Kong • Master of Science in Medical Laboratory Science, The Chinese University of Hong Kong • Master of Science in Medical Laboratory Science, The Hong Kong Polytechnic University • PhD in local and overseas universities
Employment Pathways	<p>Graduates will have ample opportunities to enter the workforce as:</p> <ul style="list-style-type: none"> • Associate Medical Technologists (AMT) in public hospitals of Hospital Authority, Department of Health, Agriculture, Fisheries and Conservation Department, private hospitals and/or private laboratories • Technical experts in <i>in vitro</i> diagnostics industries • Graduate Research Assistants for clinical departments of local universities
Minimum Admission Requirements	<p><u>Year 1 entry (standard admission)</u></p> <p>(a) Have obtained Level 3 in Chinese Language and English Language and Level 2 in Mathematics and Liberal Studies plus one Elective/Applied Learning Subject at Level 2 ("3322+2") in HKDSE; or</p> <p>(b) Have passes in AS Use of English and AS Chinese Language and Culture plus one AL subject/two AS subjects in HKALE and Level 2 for Chinese Language and English Language plus passes in three other subjects in HKCEE; or</p> <p>(c) Have obtained the International Baccalaureate (IB) Diploma with a minimum score of 24 and fulfilled the English language requirements:</p> <ul style="list-style-type: none"> (i) Grade 4 or better in the Higher Level English Language (B Syllabus); or (ii) Grade 5 or better in the Standard Level English Language (B Syllabus); or (iii) Grade 4 or better in the Higher or Standard Level English Language (A1 or A2 Syllabus); or (iv) Grade 4 or better in the Standard Level English – Text and Performance; or

	<p>(v) Grade 4 or better in the Standard Level English – Literature and Performance (A1 syllabus); or</p> <p>(d) Have met the 2nd cut-off line* of the respective province for admission to mainland key universities in the National Joint College Entrance Examination (JEE) and the scores of English Language is over 100 (*or the “cut-off line for undergraduate studies”, for provinces and cities where the 1st and 2nd cut-off lines are combined); or</p> <p>(e) Have obtained equivalent qualifications.</p> <p>Note: Preference will be given to candidates who have obtained (i) Grade 3 or better in Higher Level Chemistry; and/or (ii) Level 4 or above for Chemistry or Combined Science with Chemistry in HKDSE; and/or (iii) Level 4 or above in English Language in HKDSE.</p>
Operator	<p>Tung Wah College 東華學院</p>