



immerse
EDUCATION

CAREER
Insights

Medicine

SYLLABUS OVERVIEW

16-18 YEARS OLD

SINGAPORE

About the Programme

Immerse Education is an award-winning provider of summer experiences offering academic and career-focused programmes for high school students worldwide, in such locations as Boston, Cambridge, London, New York, Oxford, San Francisco, Singapore, Sydney, Tokyo, and Toronto. Our programmes aim to deliver engaging, academically challenging content within a university-style classroom environment.

The Career Insights programmes bring together industry professionals in a unique learning model grounded in project-based learning. Students gain valuable insight into what it is like to study their chosen subject at an advanced level and apply their skills in real-world contexts through interactive sessions, career skills workshops, and industry visits.



PLEASE NOTE:

The topics depicted in this guide represent examples of the types of modules students can look forward to participating in during the programme. Please note that final syllabi are subject to modification.



Explore Future Careers

The Medicine Career Insights programme in Singapore introduces you to the diverse careers that shape the medical world, from clinical practice and patient care to biotechnology and research. You'll gain insight into how science and empathy combine in the medical profession and how new technologies are changing healthcare delivery. By engaging with practical activities and professional discussions, you'll explore what it means to work in medicine and how your strengths align with future medical careers.



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Project Based Sessions

You'll learn through applied sessions designed to connect medical knowledge to real practice. Activities such as role-play, group case studies, and diagnostic challenges will help you experience the decision-making and teamwork required in healthcare. Each task encourages you to think critically, solve problems creatively, and reflect on your communication style, key skills for any aspiring doctor or healthcare professional. These sessions ensure you learn not just about medicine, but through it.

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Industry Visits

Singapore's medical landscape offers unique opportunities to see how innovation meets patient care. Visits may include research institutions, hospitals, or health-related organisations, helping you see how clinical practice, medical science, and technology come together to improve lives. These experiences provide valuable insight into the daily realities of healthcare professions and the collaborative nature of modern medicine in an interconnected global setting.



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Why Get Career Ready?

Every young person needs high-quality career guidance to make informed decisions about their future. Relevant and informative career guidance is necessary for social mobility. Despite the need for quality careers guidance for young people, it is one of the most lacking areas in schools around the world. In 2013, Gatsby introduced the Gatsby Benchmarks which offer useful insight into effective academic models that prepare students for future careers. Immerse Education's Career Insights programme is dedicated to delivering programmes that meet the eight important pillars that make up the Gatsby Benchmarks as outlined below.



A stable careers programme



Encounters with employers and employees



Learning from career and labour market information



Experiences of workplaces



Addressing the needs of each student



Encounters with further and higher education



Linking curriculum learning to careers



Personal guidance

Aim of the Medicine Programme

The Singapore Medicine Career Insights programme bridges scientific learning with career exploration. You'll gain a deeper understanding of how doctors and healthcare professionals apply medical knowledge, communicate effectively, and uphold ethical standards in their work. By exploring the evolving medical field through practical sessions, you'll strengthen both your academic curiosity and your readiness to pursue future studies or careers in healthcare.

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Pathways in Modern Medicine

Explore the range of professional routes within medicine, from clinical practice and research to healthcare management and innovation. You'll examine the skills and responsibilities required in different roles and reflect on what drives your own interests. Through collaborative exercises, you'll begin to understand how doctors and healthcare professionals contribute to individual and community wellbeing, while developing awareness of the teamwork that underpins the medical profession.

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Anatomy, Physiology, and Clinical Application

Build an understanding of how the human body works and how this knowledge supports medical decisions. You'll study key systems and apply this understanding in interactive group tasks, such as interpreting case studies or exploring symptoms. This topic helps you link theory to practice, showing how anatomy and physiology are used by doctors in diagnosing and treating illness, while strengthening your ability to think scientifically and clinically.

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Communication in Healthcare

Effective communication lies at the heart of good medicine. You'll take part in group role-play and case-based discussions to practise building rapport, taking patient histories, and presenting findings clearly. This topic emphasises empathy, cultural awareness, and professionalism, helping you develop the listening and interpersonal skills needed in healthcare. You'll also consider how clear communication enhances teamwork and patient outcomes in fast-paced clinical environments.



Ethics and Professional Responsibility

Examine how medical professionals make decisions in ethically complex situations. You'll discuss topics such as informed consent, patient confidentiality, and medical justice, applying ethical frameworks to realistic case examples. Through debate and reflection, you'll develop a balanced understanding of how values guide clinical practice. This topic builds your ability to reason critically and ethically, skills essential for anyone considering a future in medicine or healthcare leadership.



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Medical Research and Innovation in Practice

Explore how research and technology are shaping modern medicine. You'll learn how evidence-based practice underpins diagnosis and treatment, and how innovation supports better outcomes. In Singapore, where science and healthcare often intersect, you'll reflect on the collaboration between researchers and clinicians. This topic encourages curiosity about discovery and helps you understand how innovation contributes to careers in both clinical and scientific medicine.

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Preparing for a Career in Medicine

Learn what it takes to pursue a career in medicine, from university study to professional training. You'll gain practical insight into the academic, interpersonal, and reflective skills that support success in healthcare. Through discussions and independent activities, you'll identify your strengths and explore areas for growth. This topic encourages self-awareness and resilience, helping you map out your next steps toward a rewarding medical career.





Career Development Plan

Throughout the programme, every student will work on an individual project focused on shaping their future career pathway. This project is designed to bring together the knowledge and insights gained during the programme, including an understanding of the subject area, the industry, and the variety of opportunities it offers. Guided by their own interests and passions, students will consider potential directions for study and work. With support from tutors during one-to-one sessions, participants will develop their project into a clear and personalised plan, which they will present at the end of the programme.

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After your course

You will leave with enhanced knowledge, a clearer vision of career pathways, and practical outputs for your portfolio. Every student also receives a detailed evaluation from their tutor, which is personalised to highlight strengths and suggest potential areas for growth. This evaluation can provide valuable support for future academic or career applications.

Step into your future



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FAQS

