



SBC

COURSE OVERVIEW

Faculty of Medicine

15-17yrs



 Dukes Cambridge



Dukes Cambridge

Ages: 15-17

Duration: 2 weeks

At a Glance

Nurturing the Healers of Tomorrow

At the Faculty of Medicine, you will embark on an intensive exploration of the medical sciences, where academic excellence meets hands-on clinical practice. Over two weeks, this programme provides a thorough grounding in essential medical concepts, from human anatomy and physiology to the principles of patient care and medical ethics.

The curriculum is designed to offer a comprehensive understanding of the human body and the diseases that affect it. You will study core subjects such as pathology, pharmacology, and medical diagnostics, gaining insights into how healthcare professionals diagnose, treat, and manage a wide range of conditions. This solid foundation in the medical sciences is crucial for anyone planning to pursue further medical education.

What sets the Faculty of Medicine apart is its focus on real-world medical practice. You will engage in clinical simulations and practical workshops where you can apply what you've learned in a controlled,

supportive environment. These sessions are designed to build your competence in essential skills such as taking patient histories, performing physical examinations, and providing basic emergency care.

Interdisciplinary collaboration is a key element of this programme. You will work alongside peers who share your passion for medicine, participating in team-based projects and case discussions that reflect the collaborative nature of healthcare. This experience not only enhances your medical knowledge but also develops your ability to communicate and work effectively with others in a clinical setting.

Studying at the Faculty of Medicine is an opportunity to begin your journey toward a career dedicated to improving health and saving lives. Whether you aspire to become a doctor, a researcher, or a healthcare leader, this programme provides the knowledge, skills, and experience you need to take the first step toward a fulfilling medical career.

Sample Timetable

WEEK ONE TIMETABLE

| | | | | | |
|-------------|--|--|------------------------|--|---|
| 8:45-9:00 | Morning Assembly | | | | |
| 9:00-10:30 | Medicine Seminar Origins of Medicine | Medicine Lecture Medical Anatomy | Keynote Lecture | Medicine Lecture Medical Physiology | Medicine Seminar Pathology 101 |
| 11:00-12:30 | Medicine Time to Shine: A Medical Case Study A research and presentation project in a field of Medicine, such as Anatomy, Histology, Physiology or Pathology | | | | |
| 13:30-14:45 | Medicine Practical Workshop Emergency and Critical Care, with St. John's Ambulance | Medicine Seminar Histology, Tissue and the Basic Units of Life | Industry Experience | Medicine Seminar Epidemiology | Keynote Lecture Leadership By Visiting Academic |
| 15:00-16:15 | | University Coaching Interview Preparation | | University Coaching Writing a personal statement | University Coaching Public Speaking Skills |
| 16:15-18:15 | Free Time Tutorials once per week, 16:30-17:30 Career Counselling Clinic, 16:30-17:30 | | | | |

WEEK TWO TIMETABLE

| | | | | | |
|-------------|---|---|------------------------|--|--|
| 8:45-9:00 | Morning Assembly | | | | |
| 9:00-10:30 | Medicine Seminar Medical Biochemistry | Medicine Lecture Medical Deontology | Keynote Lecture | Medicine Lecture Pathophysiology | Medicine Seminar Topographic Anatomy |
| 11:00-12:30 | Medicine Time to Shine: A Medical Case Study A research and presentation project in a field of Medicine, such as Anatomy, Histology, Physiology or Pathology. | | | | |
| 13:30-14:45 | Medicine Practical Workshop: Suturing and surgery workshop | Medicine Seminar Microbiology, bacteria and pathogens | Industry Experience | Medicine Seminar Pharmacology | Keynote Lecture Success in Academia By Visiting Academic |
| 15:00-16:15 | | University Coaching Interview Preparation | | University Coaching Writing a personal statement | University Coaching Public Speaking Skills |
| 16:15-18:15 | Free Time Tutorials once per week, 16:30-17:30 Career Counselling Clinic, 16:30-17:30 | | | | |



Course Objectives

This course aims to equip you with a thorough understanding of the core principles of medicine. By the end of the programme, you will have developed the skills to assess clinical situations, understand the essentials of patient care, and navigate the ethical issues that healthcare professionals face. This course is ideal for those passionate about pursuing a career in medicine or the healthcare sector.

Module 1

Human Anatomy and Systems Physiology

Deepen your understanding of human anatomy and physiology by exploring how the body's systems function and interact, with a focus on the cardiovascular, respiratory, and nervous systems through detailed lectures and practical lab sessions.

Module 2

Principles of Clinical Practice

Study the core principles of clinical practice, focusing on diagnostic techniques and patient management, by analysing real-world medical cases, interpreting diagnostic results, and applying clinical skills in various medical settings.

Module 3

Medical Ethics and Professionalism

Engage with medical ethics and professionalism by discussing ethical dilemmas in practice, including patient confidentiality, informed consent, and end-of-life care, fostering a principled approach to future medical challenges.



Previous projects include:

Project 1: "The Future of personalised Medicine: Opportunities and Challenges" – A research project examining how advances in genetic technology are paving the way for tailored medical treatments.

Project 2: "The Role of Artificial Intelligence in Diagnostics" – An exploration of how AI is transforming the field of medical diagnostics, with a focus on its potential and limitations.



Time to Shine

For your Time to Shine project, you will engage in an independent research project on a medical topic that interests you. This project will culminate in a presentation where you will demonstrate your understanding and analysis of complex medical issues.



Industry Experience

As part of the programme, you will gain invaluable insights into the medical profession through industry experience sessions. These might include visits to local hospitals or research institutions, where you can observe healthcare professionals in action and learn about the latest developments in medical science and patient care.



Guest Speakers

Our programme invites distinguished medical professionals and researchers to share their experiences and knowledge. These guest speakers will offer insights into their areas of expertise, discuss cutting-edge medical research, and provide guidance on pursuing a successful career in medicine.



Academic Coaching

Throughout the course, you will receive ongoing academic coaching designed to support your development. Our experienced tutors will provide you with personalised feedback, help you refine your study techniques, and guide you in developing the critical thinking and problem-solving skills essential for a career in medicine.

Secure your place

A booking can be made online on our website summerboardingcourses.com

Our programmes fill up fast so we recommend you book early to secure a space on our most popular courses. If you are booking on behalf of a family, please let us know at the time of booking.



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