Executive MSc in Health Economics, Outcomes and Management in Cardiovascular Sciences

Collaboration with the European Society of Cardiology

lse.ac.uk/Cardio-exec-MSc
Transform the future of cardiovascular medicine

The Executive MSc Health Economics, Outcomes and Management in Cardiovascular Sciences is a specialist programme for healthcare professionals and industry leaders in the cardiovascular sciences. Developed in collaboration with the European Society of Cardiology, the programme offers a set of tailored courses in health economics, outcomes research, and healthcare management.

Gain the skills you need to accelerate your career

With advanced training in outcomes research, health policy, and health economics, course participants leave the programme equipped with key skills to become the future champions and drivers of change in their clinics, hospitals, regional and national health systems, regulatory bodies, and even at the international level.

An expanding network of our graduates are taking on roles in guideline development panels, health technology assessment committees, public-private research initiatives, consulting companies, and healthcare industries and the skills gained at the LSE are helping them to excel.

Complete your study around full-time work

Over two years, the courses will be delivered in four intensive two-week teaching blocks in December and June each year at the London School of Economics and Political Science. This schedule allows you to complete the degree alongside full-time work.

“This course will not only provide cardiovascular specialists with the opportunity to acquire world-class knowledge in health economics, outcomes research and management, it will allow the next generation of leaders to broaden their horizons in an international environment.”

Professor Panos Vardas,
ESC President 2012-2014, ESC Chief Strategy Officer European Heart Agency
This programme attracts some of the brightest and most talented individuals in the field of cardiovascular sciences and equips them with a skill-set designed to elevate their career trajectories.

Dr Rocco Friebel,  
Programme Director & Assistant Professor
The knowledge that I gained through the programme has enhanced the direction of my career. I am now working in a strategic role in the Health Service Executive, applying the concepts of Health Economics to support service improvement and decision-making. I would recommend the programme for anybody who wants to get a chance to be engaged in the discussion and to influence the policy-making as well at that level.

*Bridget Caffrey-Armstrong*
Project Manager
Health Service Executive
Class of 2017
ESC Scholarship Awardee

I would recommend this programme to clinicians that want to take on a bigger role in shaping the future of healthcare. The programme has opened several opportunities for me and has helped me facilitate a career transition, enabling me to secure the position of Medical Director in the Norwegian Healthcare Investigation Board. This programme has also expanded my network and helped me build the skills that are needed to meet the future challenges of healthcare.

*Athar Ali Tajik*
Director of Medicine
The Norwegian Healthcare Investigation Board
Class of 2017
ESC Scholarship Awardee
Programme calendar

YEAR 1
December
> Economic Evaluation in Health Care
> Systematic Review and Meta-analysis

June
> Economic Analysis for Health Policy
> Quality and Outcomes in Cardiovascular Sciences

YEAR 2
December and June
> Using Health Economics to Analyse and Inform Policy and Practice

+ three elective courses, see course description page for more information
Courses

YEAR 1

Economic Evaluation in Health Care
Develop your strategic decision-making skills by learning how to understand, critically appraise, develop, and interpret cost-effectiveness analyses to make specific recommendations and define best practice. This course will enable students to understand and apply analytic methods in the economic evaluation of health interventions and provide a strong foundation in several advanced concepts, including the cost-effectiveness of interventions used in long-term chronic illnesses.

Systematic Review and Meta-Analysis
Learn the key principles of evidence review and synthesis needed to interpret existing evidence to evaluate health care interventions. A broad range of decision-making bodies across the health care sector need experts equipped with the methods of reviewing and synthesising the existing body of evidence. This course will provide the rationale for adopting a systematic approach for evidence review and synthesis and equip students with the methods to undertake risk of bias assessments of individual randomised controlled trials and collections of randomised controlled trials.

Economic Analysis for Health Policy
Gain an understanding of the role economics can play in health policy and health system administration and the major issues in the economics of health and health care. This course will provide a framework to understand the demands placed on the health care system, the changing nature of health care supply and delivery, the interactions between patients and providers of health care, and the performance and productivity of health systems.

Quality and Outcomes in Cardiovascular Sciences
Gain an overview of health economics, outcomes research, and management in cardiovascular sciences. The course offers an overview of the definition of quality in health care systems, a critical perspective on the literature and training on the basics of study design for evaluating quality improvement interventions, programmes, and policies. In addition to briefly reviewing epidemiological trends in cardiovascular diseases in Europe and globally, this course will introduce key ‘evidence-practice’ gaps in cardiovascular diseases.
Courses

YEAR 2

Using Health Economics to Analyse and Inform Policy and Practice
Gain an overview on how health systems are constructed, and how the various parts of the system interact. The course will cover a range of aspects including the role of regulation, resource allocation, payment arrangements, and performance measurement as well as the complexities of evaluating policy and performance.

Students will then choose three courses from the following:

Financing Health Care
Gain a thorough grounding in health financing policy with focuses on the health financing functions of collecting revenue, pooling funds and purchasing services, and exploring policy choices concerning coverage, resource allocation and market structure.

Measuring Health System Performance
Discuss the opportunities and challenges with performance measurement in health care, examine the various dimensions and levels of health system performance, and identify the measurement instruments and tools needed for analysis.

Introduction to Management in Health Care
Explore the main principles of management and strategy and related issues that impact on organisational change, group decision making, innovation and leadership.

Principles of Health Technology Assessment
Develop an understanding of the key concepts of health technology assessment, its operational modalities, the different models of value assessment and how they link to decision-making.

Research Design for Evaluating Health Programs and Policies
Learn how to design and critically appraise research studies evaluating policies, programmes, and interventions by exploring the principles and models of evaluation, and the role of theories, concepts, and hypotheses.

Behavioural Science for Health
Gain an understanding of the main principles, methods, measures, and insights of the behavioural sciences, and the key state-of-the-art applications to health economics, policy, practice, and management.
Cardiovascular diseases remain the main cause of morbidity and mortality globally and both medical and economic knowledge is essential to achieve the best results for patients, care providers and health systems. We are delighted to be partnering with the prestigious European Heart Academy to deliver this unique graduate programme designed for experts working in this field.

Professor Elias Mossialos,
Head of LSE Department of Health Policy
How to apply

For more information and to apply, visit lse.ac.uk/Cardio-exec-MSc

You will be required to submit your academic transcript, an academic statement of purpose, two references and a CV to complete your application.

If you have any questions about the programme, please contact us at health.cardiomsc@lse.ac.uk