

Master of Science

Management of Healthcare and Life Sciences (MaHeLS)

First Edition

Anno Accademico 2022-2023
Università Cattolica del Sacro Cuore



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Main goals



Students will be able to:

- improve their managerial competencies in the hc field;
- Understand current trends of change in the sector;
- understand the role of all the stakeholders (including patients);
- learn how to drive technological innovation effectively;
- learn more about best managerial practices around the world;
- develop practical skills by implementing theoretical knowledge in concrete case studies;
- develop research skills;
- build a strong international network

Who should attend?



- Professionals working in the hc sector (in hospitals, governmental institutions, bio-tech industries, pharma industries, etc.)
- Graduates willing to start a career in the hc sector



Programme

MODULE 1. UNDERSTANDING HEALTHCARE SYSTEMS

- ▲ Healthcare Systems: an international overview
- ▲ Providers of care: Primary, secondary, and tertiary healthcare settings
- ▲ Epidemiological Trends and new frontiers in managing chronic conditions
- ▲ Financing healthcare services: the challenge of value-based healthcare

MODULES 2 and 3. IMPLEMENTING RESEARCH IN HEALTHCARE

- ▲ Project Management
- ▲ Understanding clinical trials
- ▲ Qualitative and Quantitative Data Analysis
- ▲ Big data, Artificial Intelligence and machine learning
- ▲ Getting funded: Horizon Europe and other international grants

MODULE 4 and 5. FACING ORGANIZATIONAL AND MANAGERIAL CHALLENGES

- ▲ Organizational Design in healthcare organizations
- ▲ Digital transformation of healthcare organizations
- ▲ Managerial accounting and performance management

- ▲ Human resource management
- ▲ Operations management
- ▲ Developing leadership competencies and soft skills

MODULE 6. DRIVING TECHNOLOGICAL INNOVATION

- ▲ Technology Innovation and Health Technology Assessment
- ▲ Economic evaluation of healthcare programs and technologies
- ▲ The Revolution of Telemedicine and new frontiers in the provision of care
- ▲ Communication Systems and Networks in health systems

MODULE 7. LIFE SCIENCES AND BIOTECHNOLOGY

- ▲ The Biomedical Sector
- ▲ The Biotechnological Sector
- ▲ Regulatory, pricing, and reimbursement scenarios
- ▲ Market Access strategies
- ▲ Patient involvement and engagement

Project work

Seminars and Laboratories
(Social event)



Organization

BEGINNING March 2023

END March 2024

The program is structured as follows:

- **7 modules (Mon 09:00 – Fri 18:30)**

Teaching Methods

- Ø Front lessons/Flippd classrooms
- Ø Case studies / LAB
- Ø Group simulations

Evauation

Students will carry out an Individual/ Group Project work

PROGRAM'S OUTPUT

II degree Master of Science Diploma in Management of Healthcare and Life Sciences

