



SORBONNE
UNIVERSITY
ABU DHABI



Master in **HEALTH ECONOMICS**

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Overview

The Master in Health Economics is a comprehensive two-year programme designed to equip students with advanced knowledge and skills in health economics. The programme is structured to provide a deep understanding of the economic aspects of healthcare systems, policy-making, Health Technology Assessment (HTA) and data analysis.

It is awarded by Paris Cité University in Paris and delivered by world-class academics in Sorbonne University Abu Dhabi.



In a rapidly evolving healthcare landscape, driven by technological breakthroughs and pressing demands for efficiency, the ability to make informed, data-driven decisions has never been more critical. The Master in Health Economics is designed to meet this challenge, preparing a new generation of professionals to navigate the complexities of modern health systems, and inform strategic decisions across local and global health systems.

Combining data science, applied econometrics, policy analysis, and Health Technology Assessment (HTA), the program offers a forward-thinking curriculum that empowers students to evaluate innovations, measure system performance, and conduct impactful economic analyses. With a strong focus on practical application, students engage in real-world case studies, hands-on projects, and applied research—developing the skills and experience needed to lead in both national and international healthcare settings.

In the first year, students build a strong foundation through courses in data science,

applied econometrics, biostatistics, health systems, and health technology assessment. They also engage in research and practical projects, culminating in a mini thesis. The second year delves into advanced topics such as panel data modelling, machine learning, health systems performance, Hospital Economics, Health Economics and Outcomes Research (HEOR), Budget impact and cost of illness Analyses, and global health economics. Students also undertake a master thesis project, applying their acquired knowledge to real-world health economics problems. Throughout the program, students gain expertise in analysing health markets, managing healthcare data, and making informed policy decisions, preparing them for careers in various healthcare sectors

From the very first year, students build a strong foundation through core courses in data analysis, biostatistics, health systems, and HTA. They apply their knowledge through hands-on projects and a mini thesis, gaining early exposure to real-world research challenges.

In the second year, the program deepens technical and strategic expertise with advanced modules in panel data modelling, machine learning, hospital economics, and global health economics. Students explore key methodologies such as Health Economics and Outcomes Research (HEOR), budget impact analysis, and cost-of-illness studies. The master thesis serves as a capstone project, allowing students to apply their acquired knowledge to pressing issues in healthcare.

Throughout the program, students gain practical experience through case studies, applied research, and collaborative work. By graduation, they are fully prepared to analyse health markets, manage healthcare data, and contribute to evidence-based decision-making—ready to take on strategic roles in health authorities, hospitals, international organisations, research institutes, or the pharmaceutical and med-tech industries.



Programme *highlights*

→ Aligning individual & national development

In a rapidly evolving global landscape, the UAE is committed to becoming a leader in healthcare innovation and sustainability. The development of an efficient and forward-looking healthcare system is central to this ambition. The Master in Health Economics plays a key role in supporting that goal by preparing a new generation of professionals equipped to design and implement forward-thinking policies, technologies, and economic strategies. The program empowers individuals to contribute meaningfully to healthcare reform and aligns their personal growth with the country's evolving health priorities.

→ International recognition

Sorbonne University Abu Dhabi provides the combined experience of Sorbonne University and Université Paris Cité. This rich heritage of joint excellence is now available in Abu Dhabi, under the Ministry of Education and is recognised worldwide.

→ Networking

Each class will have a reduced number of students from different countries. A strict entry selection procedure will guarantee the quality of the degree and will allow you to expand your personal network with high potential peers.



Structure

Taught entirely in English over four semesters (two years), the Master in Health Economics awards a total of 120 ECTS credits. The course schedule is specifically designed to accommodate working professionals, with classes held in the evenings and on weekends—making it possible to balance academic goals with career commitments. Full-time students are also encouraged to pursue internships and take part in international exchange opportunities during the program.

Year 1

Semester 1

COURSES

- Data science: dimensionality reduction, application with Python
- Applied econometrics
- Biostatistics with Excel
- Health systems and health policies
- Research in health economics: literature review with AI
- HTA: cost benefit and cost-effectiveness analysis
- Microeconomics of health insurance

Semester 2

COURSES

- Public policies evaluation
- Data visualization
- Introduction to discrete data modelling
- Performing a due diligence in health economics
- UAE health insurance and health providers
- Qualitative methods
- Master mini thesis

Conduct your own research

Research and analytical thinking are central to the program. In the first year, students undertake a mini-thesis, allowing them to explore a focused topic in health economics or data science while developing core research skills. This early exposure prepares them for the more ambitious master thesis in the second year, where they address real-world challenges—such as evaluating health policies, assessing technologies, or analysing healthcare costs—often in collaboration with academic researchers or industry professionals.

These two milestones build both expertise and confidence, while reinforcing students' ability to apply economic reasoning to complex healthcare issues.

Year 2

Semester 3

COURSES

- New econometrics: Panel data modelling
- New econometrics: advances in choice modelling
- Machine learning: regression and classification models
- Health systems performance
- Socio-economic determinants of health
- Global health economics and population economics
- Health Economics and Outcomes Research (HEOR)
- Budget impact and cost of illness Analyses

Semester 4

COURSES

- Hospital Economics
- Market Access in the UAE
- Meta-Analysis: Methods and Applications
- Advanced research in health economics: master thesis



Assessment & graduation requirements

Students will be assessed through individual assignments, presentations, reports, and examinations.

Notably, this programme does not include final exams, allowing for a more consistent assessment of student progress throughout the course and the programme.



Career prospects

For emerging and experienced professionals, career prospects vary from senior positions in government agencies, hospitals, health insurers, consulting groups, and health care industries.

Graduates of the program can apply for a variety of positions including Health Economists, Health Policy Analysts, Healthcare Consultants, Healthcare Data Analysts, Health Services Managers, Market Access Managers and Pricing Specialists in the pharmaceutical and medical device industries.

Graduates are fully equipped to enrolled in PhD programs in the UAE and abroad, in the field of health economics.



Admission prospects

Admission to our master's programmes is selective and each applicant will be considered on his/her own merit.

The two-year programme is open to candidates holding a bachelor's degree (BA or BSc). Only candidates who already have a professional experience in the health sector (typically 5-10 years in a relevant field) may be eligible for entering directly into the second year.

General entry requirements

To qualify for admission to this programme, students must meet the following criteria:

- Bachelor in a relevant field with a CGPA of 3 out of 4 or equivalent or
- Bachelor with minimum 2nd class honors, or Bachelor with an average of 12 out of 20. For applicants having received a Bachelor degree below the required score:
- Bachelor students with a GPA between 2.5 until 2.9 (or equivalent scores as per the equivalency table) may be conditionally admitted under probation during the first semester. The student will be authorised to continue in the programme only if they secure an average of at least 12 out of 20 which is obtained by the end of the first semester. The decision is based on academic performance and will be made official after the completion of the first semester.
- Bachelor students with a GPA below 3 may be admitted on the grounds of their professional and/or personal experience, in case they are granted a VAPP by VAPP commissions at Sorbonne Université in Paris and Université Paris Cité.
- Valid academic IELTS certificate with minimum overall band of 6.0 with a validity of 2 years, or
- TOEFL certificate with minimum score of 79 (or equivalent) with a validity of 2 years, or
- Native English speaker who completed 3 full years in an English-medium institution within a maximum period of 3 years, or Equivalent.

Shortlisted candidates will be asked to attend an interview to assess the candidate's motivation, career expectations and relevant professional experience in the degree area. Sorbonne University Abu Dhabi is committed to considering applications from all students regardless of their country of origin, income, gender, religion or physical condition.

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www.moe.gov.ae

Tuition Fees

AED 166,400 (approximately US\$ 45,344)

Scholarships are available for this programme* :

- Avail up to 100% Scholarship!*
- Scan the QR Code or Click the Link Below to learn more



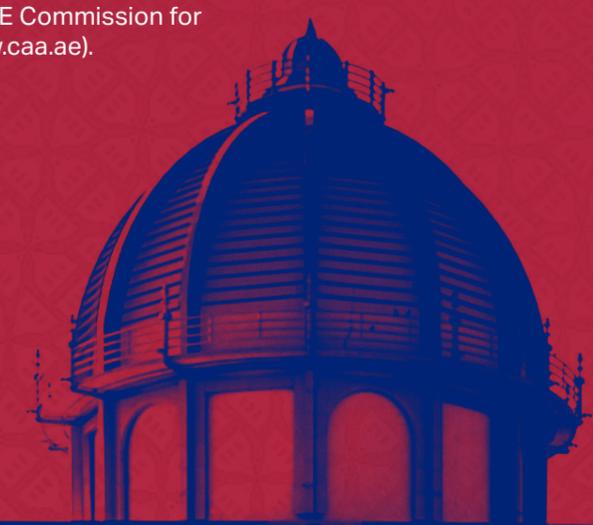
<https://www.sorbonne.ae/fees-and-scholarships/scholarships/>

Why Sorbonne University Abu Dhabi ?

In today's fast-paced and globalised economies, knowledge and languages both serve an important role in creating progressive and vibrant societies. The French education system is known for its high level of rigorous critical thinking and debating skills, which play a significant role in developing future pioneers and leaders.

Sorbonne University Abu Dhabi is a globally recognised education institution that serves as a bridge between civilisations by offering a multicultural environment, which promotes and develops a strong culture of tolerance, curiosity, harmony and cultural awareness for today's modern economy. Students have access to internationally acclaimed faculty, world-class facilities and internationally certified degrees, which places them firmly on the right path in preparation for a successful career.

This degree is awarded by Université Paris Cité and officially accredited by the UAE Commission for Academic Accreditation (www.caa.ae).





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