



Cancer Care Informatics MSc Program



مركز الحسين للسرطان
King Hussein Cancer Center

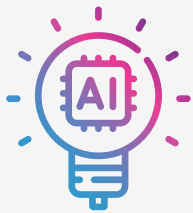
ABOUT THE PROGRAM

The Master of Science in Cancer Care Informatics, jointly offered by King Hussein Cancer Center and the University of Jordan, is the world's pioneering postgraduate degree in this specialized field. This innovative program combines academic rigor with practical research at one of the Middle East's premier cancer centers, providing students with the skills to leverage data, digital platforms, and artificial intelligence to enhance cancer care.

PROGRAM MISSION

Our goal is to educate expert Cancer Care Informaticians who integrate seamlessly into multidisciplinary teams, employing data-driven strategies to improve clinical workflows, patient experiences, and evidence-based oncology treatment outcomes.

KEY FEATURES



Hands-on AI and healthcare
innovation projects.



Interactive, in-person **training sessions** with expert faculty.



Access to real-world, anonymized
clinical, imaging, and genomic datasets.



Strong emphasis on responsible AI,
including **mandatory bias audits and privacy-focused projects.**

LEARNING OUTCOMES

Graduates will:

1. Identify and resolve informatics challenges in cancer care.
2. Develop comprehensive informatics strategies tailored for oncology settings.
3. Apply ethical informatics practices within diverse contexts.
4. Optimize cancer care through effective data utilization.
5. Conduct multidisciplinary, publishable research.

PROGRAM STRUCTURE (36 Credit Hours)

Core Modules (18 cr):

- Research Methods & Tooling
- Requirements Engineering
- Information Strategy & Architecture
- Usability & Quality Governance
- Economics of Cancer Care Informatics
- Legal, Social, Ethical & Professional Issues

Elective Modules (9 cr):

- Big Data Analytics & Decision Support
- Electronic Medical Record Systems
- Precision Medicine
- Cancer Surveillance Systems
- Clinical Trials Management IS
- Digital Cancer Genetic Counselling
- Ancillary & Supportive Systems

Master's Thesis (9 cr):

Supervised research project addressing real-world informatics challenges.

FACULTY

Led by **Dr. Iyad Sultan (KHCC)** and **Prof. Nancy Hakooz (UoJ)**, our multidisciplinary teaching team comprises over 30 internationally recognized experts.

ENTRY REQUIREMENTS

- Bachelor's degree in healthcare, informatics, engineering, or relevant fields.
- TOEFL or IELTS certification (minimum IELTS score: 6.5 or equivalent).
- Potential interview for shortlisted candidates.

TUITION

Jordanian:

225 JD per credit hour

(Total: 8,100 JD)

Non-Jordanian:

500 USD per credit hour

(Total: 18,000 USD)

HOW TO APPLY

Download, complete, and email the application form to **cci@khcc.jo**



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