



Study Plan for Master's Degree in Health Information Technology for year 2021 - 2022

The Master's Degree Program (Thesis) in Health Information Technology awarded at Princess Sumaya University for Technology after the successful completion of 33 Credit Hours distributed as follows:-

Program Requirements (24 CHs)

1. Compulsory Requirements (21 CHs)

| Course Number | Course Title | Credit Hours | Prerequisite | Concurrent |
|---------------|------------------------------------|--------------|--------------|------------|
| 13770 | Health information systems | 3 | | |
| 13771 | Database Management Systems | 3 | | |
| 13772 | System Analysis and Modelling | 3 | | |
| 13773 | Biostatistics | 3 | | |
| 13774 | Epidemiology Methods and Uses | 3 | | |
| 13775 | Health information system security | 3 | | |
| 13791 | Research Methodologies | 3 | | |

2. Elective Requirements (3 CHs)

| Course Number | Course Title | Credit Hours | Prerequisite | Concurrent |
|---------------|---|--------------|--------------|------------|
| 13743 | Cloud Computing & Big Data | 3 | | |
| 13761 | AI for health systems | 3 | | |
| 13762 | Enterprise Healthcare Information Systems | 3 | | |
| 13763 | Medical image perception (Processing) | 3 | | |
| 13764 | Knowledge Management Systems | 3 | | |
| 13765 | Quality Frameworks for Health Innovation | 3 | | |
| 13766 | Health Technology Evaluation | 3 | | |
| 13767 | Qualitative Methodologies & Study Design | 3 | | |
| 13768 | Visual Analytics (Data Visualization) | 3 | | |
| 13769 | Health and Risk management | 3 | | |
| 13777 | special topics in health technology | 3 | | |
| 14722 | Data Mining | 3 | | |

Thesis Requirements (9 CHs)

| Course Number | Course Title | Credit Hours | Prerequisite | Concurrent |
|---------------|--------------|--------------|--------------|------------|
| 13779 | Thesis | 9 | | |
| 137790 | Thesis | 0 | | |
| 137793 | Thesis | 3 | | |
| 137796 | Thesis | 6 | | |