

At the interface between medicine and technology, the Health Information Technology (HIT) engineer gathers the needs of healthcare professionals to provide them with appropriate technological solutions. He/she integrates health information systems and software-driven medical devices. Our HIT engineer is particularly skilled to analyze the needs and design healthcare information systems and medical devices related software. As project management assistants, he/she guides healthcare professionals in their choice of information technologies.



General engineering skills :

- Ability to use resources of a wide range of basic sciences
- Knowledge and understanding of a specialty scientific and technical field
- Mastery of engineering methods and tools
- Ability to integrate into, lead and develop an organization
- Awareness of industrial, economic and professional issues
- Ability to work in an international context
- Respect for societal values

Early career employment :

- Health IT development engineer
- Health IT consultant
- MedTech R&D engineer
- Data management engineer

Graduates have mastered specific skills that prepare them to handle real-world professional situations

Skill	Professional situations
Perform a functional analysis to describe technological solutions meeting the needs of healthcare professionals	<ul style="list-style-type: none"> • Functional analysis of healthcare professional needs • Description of technological solutions and how they are meeting the needs of healthcare professionals
Write functional and technical specifications for health information systems or software-driven medical devices	<ul style="list-style-type: none"> • Technology monitoring • Formalization of functional and technical specifications
Develop Health Information Systems	<ul style="list-style-type: none"> • Design and development of Health Information Systems • Collection, processing, and analysis of Health Information Systems data • Validation of Health Information Systems
Develop Software-driven Medical Devices	<ul style="list-style-type: none"> • Design and development of Software-driven Medical Devices • Collection, processing, and analysis of Software-driven Medical Devices data • Validation of Software-driven Medical Devices • Integration of ethical and regulatory aspects into the Software-driven Medical Devices qualification process
Advise Healthcare Professionals on the Implementation of Health Information Technologies	<ul style="list-style-type: none"> • Project management assistance in health technologies • Support for healthcare professionals in the use of health technologies

In-company placements :

- Third year: optional placement
- Fourth year: 16 weeks
- Fifth year: 22 weeks
- 2-week hospital internship in 3rd and 4th year

Graduation project :

- Graduation project: 2 months for external clients (companies or research labs)

A selection of companies that have hired HIT Engineering graduates

- Information Technology services** : Cap Gemini, Orange Business Services, Sopra Steria
- Software publishers** : Enovacom, Ennov, Hopsis, Maincare Solutions, Softway Medical, Technidata
- Health consulting** : Caduceum, CGS Sara, Doshas Consulting, Easis
- Software-driven Medical Device** : BlueOrtho, SurgiQual Institute, Thales
- Pharmaceutical industry** : Roche Diagnostics, Sanofi

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