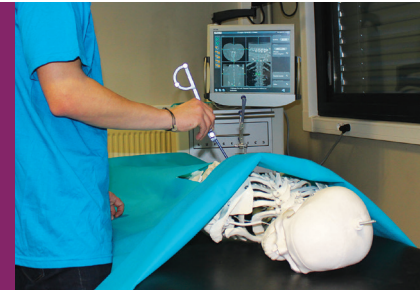




At the interface between healthcare professionals and technology, the Health Information Technology engineer gathers together the needs of healthcare professionals in order to provide them with appropriate technological solutions. They integrate health information systems and innovative, intelligent medical devices, and are capable of analyzing needs, designing information systems, software and devices dedicated to health, assisting project management by guiding health professionals in their choice of information technologies and managing a multidisciplinary team.



Our graduates possess solid general engineering skills

- A capacity to use resources from a broad range of basic sciences
- Knowledge and understanding of a specialty scientific and technical field
- Mastery of engineering tools and methods
- An ability to work within an organization, manage a team, and implement change
- Understanding of broader industrial, financial, and professional issues
- A capacity to work in international settings
- Respect for societal values

- Recent graduates have secured positions like:
- HIT engineering consultant
 - Medical Device R&D engineer
 - HIT development engineer
 - Data analyst
 - and other healthcare facilities

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

Competency	Situation
Understanding healthcare system user needs	<ul style="list-style-type: none"> • Drawing up formal specifications based on user needs to design a healthcare system • Drawing up formal requirements for the development and maintenance of a health care system • Providing recommendations for specific healthcare system solutions
Designing and implementing information systems for health-care and clinical/preclinical research and medical devices	<ul style="list-style-type: none"> • Implementing a Health Information System • Developing a medical device • Providing support on medtech innovation projects
Managing a project and interacting with the prime contractor on Health Information System (HIS), medical devices, and clinical/preclinical research projects	<ul style="list-style-type: none"> • Implementing and integrating HIS solutions • Managing interoperability • Integrating a medical device into a healthcare or clinical/preclinical research system • Planning and managing complex projects
Understanding the social, economic, and legal/regulatory context unique to healthcare	<ul style="list-style-type: none"> • Making recommendations to improve a healthcare system based on health and demographic data • Providing support for the implementation of a healthcare network or new HIS • Managing socioeconomic activity
Communicating about and promoting his/her projects	<ul style="list-style-type: none"> • Understanding the relationships between complex ideas and distilling them into clear, simple messages • Presenting conclusions and recommendations

In-company placements:

- Third year: optional placement
- Fourth year: 17 weeks
- Fifth year: 22 weeks

• Graduation project: 2 months for external customers (companies or research labs)

A selection of companies that have hired HIT Engineering graduates:

ACETIAM, ALTRAN, DOSHAS CONSULTING, EASIS, ENNOV, ENOVACOM, MAINCARE SOLUTIONS, ORANGE BUSINESS SERVICE, PURKINJE, SOFTWAY MEDICAL, SOPRA STERIA, TECHNIDATA, WEB100T, WORLDLINE...

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