Graduates in Health Information Technology (HIT) possess a multidisciplinary skillset encompassing IT instrumentation and healthcare-specific knowledge. They are able to analyze medical and healthcare system needs, bridge the gap between health specialists and IT engineers, and design information systems and software for healthcare, clinical/preclinical research and medical devices. Our HIT engineers are uniquely qualified to run outsourced health information systems and instrumentation projects.

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
- In-house HIT manager at hospitals and other healthcare facilities

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

<table>
<thead>
<tr>
<th>Competency</th>
<th>Situation</th>
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<tbody>
<tr>
<td>Understanding healthcare system user needs</td>
<td>• Drawing up formal specifications based on user needs to design a healthcare system&lt;br&gt;• Drawing up formal requirements for the development and maintenance of a health care system&lt;br&gt;• Providing recommendations for specific healthcare system solutions</td>
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<tr>
<td>Designing and implementing information systems for healthcare and clinical/preclinical research and medical devices</td>
<td>• Implementing a Health Information System&lt;br&gt;• Developing a medical device&lt;br&gt;• Providing support on medtech innovation projects</td>
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<tr>
<td>Managing a project and interacting with the prime contractor on Health Information System (HIS), medical devices, and clinical/preclinical research projects</td>
<td>• Implementing and integrating HIS solutions&lt;br&gt;• Managing interoperability&lt;br&gt;• Integrating a medical device into a healthcare or clinical/preclinical research system&lt;br&gt;• Planning and managing complex projects</td>
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<tr>
<td>Understanding the social, economic, and legal/regulatory context unique to healthcare</td>
<td>• Making recommendations to improve a healthcare system based on health and demographic data&lt;br&gt;• Providing support for the implementation of a healthcare network or new HIS&lt;br&gt;• Managing socioeconomic activity</td>
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<tr>
<td>Communicating about and promoting his/her projects</td>
<td>• Understanding the relationships between complex ideas and distilling them into clear, simple messages&lt;br&gt;• Presenting conclusions and recommendations</td>
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In-company placements:
- Third year: optional placement
- Fourth year: 12 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, DOSHAST CONSULTING, EASIS, ENNOV, ENOVACOM, MAINCARE SOLUTIONS, ORANGE BUSINESS SERVICE, PURKINJE, SOFTWAY MEDICAL, SOPRA STERIA, TECHNIDATA, WEB100T, WORLDLINE...

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