Programme syllabus

Bachelor's Programme in Medical Informatics
Kandidatprogram, medicinsk informatik

180.0 credits

Valid for students admitted to the education from autumn 08 (HT - Autumn term; VT - Spring term).

This is a translation of the Swedish, legally binding, programme syllabus.

Programme objectives

Knowledge and understanding

Skills and abilities

Ability to make judgements and adopt a standpoint

Extent and content of the programme

Eligibility and selection

Implementation of the education

Courses

The programme is course-based. Lists of courses are included in appendix 1.

Grading system

Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

Appendix 1 - Course list
Appendix 2 - Programme syllabus descriptions
Appendix 1: Course list
Bachelor's Programme in Medical Informatics (TMILK), Programme syllabus for studies starting in autumn 2008

**General courses**

**Year 1**

**Mandatory courses (60.0 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF1701</td>
<td>Mathematics 1</td>
<td>8.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1701</td>
<td>Computer Systems</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1702</td>
<td>Computer Programming, Basic Course</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1706</td>
<td>Data and Telecommunications</td>
<td>7.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1703</td>
<td>Anatomy and Physiology</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1704</td>
<td>General Pathology</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1720</td>
<td>Introduction to Healthcare</td>
<td>5.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1721</td>
<td>Scientific Methodology 1</td>
<td>3.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1722</td>
<td>Medical Informatics</td>
<td>7.0</td>
<td>First cycle</td>
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**Year 2**

**Mandatory courses (60.0 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
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<tbody>
<tr>
<td>HF1704</td>
<td>Mathematics 2</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1704</td>
<td>Object Oriented Programming</td>
<td>9.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1705</td>
<td>Database Technology</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1708</td>
<td>Medical Documentation and Process Support</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1712</td>
<td>Information and Network Security</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1706</td>
<td>Healthcare Information Systems</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1707</td>
<td>Health Care Management</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
</tbody>
</table>
### Year 3

**Mandatory courses (61.5 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
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</thead>
<tbody>
<tr>
<td>AK2036</td>
<td>Theory and Methodology of Science with Applications (Natural and Technological Science)</td>
<td>7.5</td>
<td>Second cycle</td>
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<tr>
<td>HI170X</td>
<td>Degree Project in Medical Informatics, First Cycle</td>
<td>15.0</td>
<td>First cycle</td>
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<tr>
<td>HI1713</td>
<td>Human-Computer Interaction</td>
<td>6.0</td>
<td>First cycle</td>
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<tr>
<td>HI1714</td>
<td>Software Engineering</td>
<td>7.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HI1715</td>
<td>System Development Projekt</td>
<td>10.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1712</td>
<td>Medical Management</td>
<td>6.0</td>
<td>First cycle</td>
</tr>
<tr>
<td>HL1723</td>
<td>Medical Imaging Systems</td>
<td>5.0</td>
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<td>HL1724</td>
<td>Image Processing and Analysis</td>
<td>5.0</td>
<td>First cycle</td>
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Appendix 2: Specialisations

Bachelor's Programme in Medical Informatics (TMILK), Programme syllabus for studies starting in autumn 2008

This programme has no specialisations.