Programme syllabus

Master's Programme, Engineering and Management of Information Systems, 120 credits
Masterprogram, teknik och ledning för informationssystem
120.0 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

Master's Programme, Engineering and Management of Information Systems, 120 credits (TEMSM), Programme syllabus for studies starting in autumn 2008

### General courses

#### Year 1

**Mandatory courses (37.5 Credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC2002</td>
<td>Philosophy of Science</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IC2003</td>
<td>Research Methodology and Scientific Communication</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ID2007</td>
<td>Processes for IT Production</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2007</td>
<td>Enterprise Computing and ERP Systems</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2014</td>
<td>Data Warehousing</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>

**Conditionally elective courses**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP2300</td>
<td>Management of Networks and Networked Systems</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ID2006</td>
<td>Software Evolution and Maintenance</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2001</td>
<td>Internet and ERP Systems</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2002</td>
<td>Internet Search and Monitoring Techniques</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2009</td>
<td>Model-driven Development of Components</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2010</td>
<td>Mobile Business</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2011</td>
<td>Current Problems in Information Systems</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2013</td>
<td>Relational Database Design</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2015</td>
<td>Knowledge Management</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2016</td>
<td>Project and Power Games</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2017</td>
<td>Interoperability of Enterprise Systems and Services</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IV2024</td>
<td>Principles of Computer Security</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>
IV2029 Global IT-management 7.5 hp Second cycle
IV2031 Strategic Management of IT 7.5 hp Second cycle
IV2032 Requirements Engineering 7.5 hp Second cycle
IV2033 Decision and Risk Analysis 7.5 hp Second cycle
IV2034 Systems Theory and IT 7.5 hp Second cycle
IV2035 Organisations, IT-Systems and Management 7.5 hp Second cycle
IV2037 Business Process Design and Intelligence 7.5 hp Second cycle
IV2038 Web-mining 7.5 hp Second cycle

Supplementary information

IV2011 Current Problems in Information Systems

Year 2

Mandatory courses (15.0 Credits)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV2401</td>
<td>Project Management for IT Systems</td>
<td>15.0 hp Second cycle</td>
</tr>
</tbody>
</table>

Supplementary information

Optional courses for both years:

- IV2001 Internet och affärssystem
- IV2024 Principer för datasäkerhet
- EP2300 Management of Network and Networked Systems
- IV2032 Requirements Engineering
- IV2014 Data Warehousing
- IV2002 Teknik för Internetsökning och omvärldsbvakning
- IV2013 Relationsdatabasdesign
- IV2029 Global IT management
- IV2038 Web Mining
- IV2010 Mobile Business
- IV2015 Knowledge Management
- IV2009 Model-driven Development of Components
- IV2034 Systems Theory and IT
- IV2033 Decision and Risk analysis
- IV2031 Strategic Management of IT
- ID2006 Software Evolution and Maintenance
- IV2016 Project and Powergames
- IV2037 Business Process Design and Intelligence Systems Integration
- IV2035 Organisation, IT Systems and Management
- IV2011 Current Problems in Information Systems
Appendix 2: Specialisations

Master's Programme, Engineering and Management of Information Systems, 120 credits (TEMSM), Programme syllabus for studies starting in autumn 2008

This programme has no specialisations.