Programme syllabus

Master's Programme, Applied Logistics, 60 credits
Magisterprogram, tillämpad logistik
60.0 credits

Valid for students admitted to the education from autumn 11 (HT - Autumn term; VT - Spring term).

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

Programme objectives

In addition to the aims that are specified in the higher education ordinance, a master who has been graduated from Applied Logistics, KTH, should demonstrate:

Knowledge and understanding

- good understanding that logistics is an important factor when it comes to creating competitiveness and profitability in a company
- good understanding that logistics is primarily about making a company's flows function in a customised and cost efficient way
- good understanding that logistics concerns the total company and not only a part of it, i.e. have got an overall view of the flows of a company

Skills and abilities

- good ability, based on the knowledge of the different activities in the flow, to an overall view and understand how own actions influence the results for the entirety
- good ability to change your own part of the logistics in such a way that it favours the entirety and does not lead to suboptimisation
- good ability, in a group or independently, to identify, analyse and solve various types of logistic problems in an academic methodical way
- good ability to present and communicate prepared logistic proposals

Ability to make judgements and adopt a standpoint

- good ability, without prejudice and based on a theoretical framework, to tackle different logistic problems
- understand that logistics is an interdisciplinary approach that may concern all established functions in a company
• be able to evaluate different logistic solutions from their total economic consequences for the company

KTH's local degree ordinance can be found in KTH's regulatory framework, www.kth.se

**Extent and content of the programme**

The education comprises 60 HE credits, which corresponds to 1 year of full-time studies.

The level of the education is mainly for second-cycle studies.

The teaching is mainly in Swedish, but some literature can be in English.

**Eligibility and selection**

For qualification, master's or bachelor's degree comprising at least 180 HE credits in mechanical engineering, or equivalent, is required.

For more information, refer to KTH's admission regulations found in KTH's regulatory framework, www.kth.se

**Implementation of the education**

**Structure of the education**

Academic year, semesters, study periods can be found in KTH's regulatory framework, www.kth.se

The education can be read as half-time studies.

**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.

**Conditions for participation in the programme**

**Enrolment**

A precondition for participating in the studies is that the student must enrol for the coming semester. This is done according to KTH's instructions.

With the enrolment, the student has reported the intention to study and participate in the education. After that, it is possible for the student to
• register for the semester
• register for the courses
• get results reported
• have the possibility to receive student aid from CSN

Course applications within the programme are made by the student according to KTH's instructions.

**Recognition of previous academic studies**

Students may apply to include credit results from course/courses at other higher education institution/university within or outside of the country. Application can be found on KTH's website.

KTH's policy for inclusion can be found in full in KTH's regulatory framework, [www.kth.se](http://www.kth.se)

**Studies abroad**

Students on the programme have the opportunity to carry out the degree project abroad.

**Degree project**

The degree project comprises 15 HE credits for second-cycle studies.

The following applies for the degree project:

• It may be started, at the earliest, after having achieved 24 HE credits and when final grades exist in relevant courses that concern the contents of the degree project
• It may be started after that the assignment has been approved by the examiner
• It is based on the knowledge that has been acquired during the studies and should normally be carried out during the spring semester
• It should constitute proof of an independent work comprising theoretical and/or experimental work with accompanying report writing and oral presentation
• The supervisor is appointed by the examiner

KTH's rules for degree projects can be found in KTH's regulatory framework, [www.kth.se](http://www.kth.se)

**Degree**

To complete a Degree of Master of Science in Applied Logistics (1 year), passing grades in all courses that are included in the student's study plan are required. The study plan consists of the compulsory courses, the elective courses that the student has opted for and the degree project. The study plan should comprise at least 60 HE credits.

KTH's local degree ordinance can be found in KTH's regulatory framework, [www.kth.se](http://www.kth.se)

Appendix 1 - Course list
Appendix 2 - Programme syllabus descriptions
## Appendix 1: Course list

Master's Programme, Applied Logistics, 60 credits (TTILM), Programme syllabus for studies starting in autumn 2011

### 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>HM1M00</td>
<td>The Logistic Process</td>
<td>7.5 hp</td>
<td>First cycle</td>
</tr>
<tr>
<td>HM1M01</td>
<td>Purchasing and Supply Chains</td>
<td>7.5 hp</td>
<td>First cycle</td>
</tr>
<tr>
<td>HM2000</td>
<td>Legislation Issues in Logistics</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>HM2001</td>
<td>Transportation System</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>HM2002</td>
<td>Logistics, Intermediate Course</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>HM2007</td>
<td>Leadership and Organisation</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>HM201X</td>
<td>Degree Project in Applied Logistics, Second Cycle</td>
<td>15.0 hp</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Master's Programme, Applied Logistics, 60 credits (TTILM), Programme syllabus for studies starting in autumn 2011

This programme has no specialisations.