Programme syllabus

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

Valid for students admitted to the education from autumn 18 (HT - Autumn term; VT - Spring term).

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

Programme objectives

In addition to the objectives specified in the Swedish Higher Education Ordinance, a graduate holder of degree of master from Applied Logistics at KTH shall:

Knowledge and understanding

- be able to control logistics flows and get them to work in a client-adapted, sustainable and cost-effective way
- have a holistic view of a company's flows and insight into how their own actions affect the outcome for the whole from a social, economic and ecological perspective
- be able to present and communicate logistics proposals

Skills and abilities

- have an understanding of logistics as an important factor when it comes to creating competitiveness, profitability and sustainable processes in a company
- have the ability to modify their area of responsibility within the operation's logistics in order to avoid sub-optimisation
- have the ability to, in a group and independently, identify, analyse and solve different kinds of logistics problems through addressing them in an academic methodological manner
- have the ability to evaluate various logistics solutions based on their overall consequences for both the operation and the environment

Ability to make judgements and adopt a standpoint

- understand that logistics is a multidisciplinary approach that can affect all established functions in a business

KTH's local Degree Ordinance is found in the KTH regulatory framework, www.kth.se

Extent and content of the programme

The Master's Programme in Applied Logistics comprises 60 higher education credits, which corresponds to one year of full-time studies at a normal study pace (2 semesters)

The programme is offered in the second cycle.

The language of instruction is mainly Swedish. Certain courses and course components may be taught in English.

Eligibility and selection

Eligibility requires:
• a Degree of Bachelor of Science in Engineering or a Degree of Bachelor of at least 180 credits in engineering, economics or equivalent.
• 5 credits completed course in logistics

In the event of competition for places, a selection process occurs, where the assessment of qualifications is largely based on the number of higher education credits obtained (max 225 credits/150 credits from the Swedish system prior to 1 July 2007). In addition, the applicant may raise their comparison figure by 45 credits/30 old credits if he/she can attest to 5 years professional experience in the logistics area of at least 50% or more.

Otherwise refer to the KTH admission regulations in the KTH regulatory framework, www.kth.se

Implementation of the education

Structure of the education

Academic year

The academic year comprises 40 weeks and is divided into four periods. If necessary, instruction may be provided outside the parameters of the academic year. The division of the academic year is presented on the KTH student web www.kth.se

Courses

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

The programme only includes compulsory courses. These compulsory courses are defined in the course list. The goals, entrance qualifications, content and course requirements for each course can be found in the official course syllabuses. The forms of teaching and examination vary between courses. These are indicated in each official course syllabus.

The Programme is structured in the form of courses. Course lists are found 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

Semester and course registration

Semester registration

At the beginning of the semester, the student must submit a compulsory semester registration via their personal login a www.kth.se

Semester registration is required to take new courses and for credits awarded to be reported, and for any payments of student aid to be made by CSN.

Application for courses on the programme

Prior to the forthcoming semester, the student must apply for all courses the student intends to take.
Course applications are made via www.antagning.se

• 1 - 15 November for spring semesters

If the student does not apply via www.antagning.se, the application is only considered subject to availability.

Information on how to apply for a course is obtained from the school’s office of student affairs.

Course registration
Course registration requires that the student is admitted to the course. At course start, the student must register on the
course to which they have been admitted. Course registration must be done individually via the student’s personal login
at www.kth.se
A person who has registered on a course but has subsequently decided not to proceed with the course must, within three
weeks of course start, remove the course registration via the personal login at www.kth.se

Conditions for participation in the programme

To be able to move up to the spring semester, 10 credits must be completed from the autumn semester.

Recognition of previous academic studies

Students have the opportunity to apply to be given credit for results from a course or courses at another higher
education institution/university within or outside the country.
An application is made by submitting a form to the school’s office of student affairs. As the grading systems differ
widely between countries, grades are not translated to the KTH grading scale.

The entire KTH policy for credit transfer is included in the KTH regulatory framework, www.kth.se

Studies abroad

Students on the programme have the opportunity to do the degree project abroad.

Degree project

The programme includes a degree project which is a course of 15 credits.

Regarding the degree project:

- It may not be commenced until 30 credits have been obtained and when a final grade has been received in
  relevant courses which concern the content of the degree project
- It may be commenced after the examiner has approved the assignment
- It is based on the knowledge obtained during the study period and is usually carried out in the spring semester
- It shall constitute proof of an independent piece of work comprising theoretical and/or experimental activity
  with an accompanying written report and oral presentation
- Supervisors are appointed by the examiner

KTH’s rules for degree projects are found in the KTH regulatory framework, www.kth.se

Degree

The student must personally apply for a certificate. Applications are made by logging on to www.kth.se where
“Applications for degrees” is found under the heading “Programme”.

Introductory courses and preparatory courses cannot be included as part of the degree.
Courses whose content is similar to one or more other courses within the programme cannot be counted as part of the
60 credits that form the basis for the degree.

In order to obtain a Degree of Master in Applied Logistics, a Degree of Master of Science (60 credits), a passing grade
is required in all courses included in the student’s study plan. The study plan consists of the compulsory courses that the
student has followed and the degree project. The study plan must include at least 60 credits.
Application for a certificate is done according to KTH instructions, see www.kth.se

KTH’s local Degree Ordinance is found in the KTH regulatory framework, 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 2018

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>HM2000</td>
<td>Legislation Issues in Logistics</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>HM2007</td>
<td>Leadership and Organisation</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ML201X</td>
<td>Degree Project in Applied Logistics, Second Cycle</td>
<td>15.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ML2111</td>
<td>Distribution System</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ML2112</td>
<td>Production Logistics</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ML2113</td>
<td>Supply Chain Management</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>ML2115</td>
<td>Tools and Technical Solutions in Logistics</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>

Supplementary information

Course list: Information is based upon the curriculum for academic year 2018/2019. Changes may occur.

Year 2
Appendix 2: Specialisations

Master's Programme, Applied Logistics, 60 credits (TTILM), Programme syllabus for studies starting in autumn 2018

This programme has no specialisations.