



HÖGSKOLAN I GÄVLE

Master Programme in Management of Logistics and Innovation

60 cr

Magister i logistik och innovationsledning 60 hp

Set by -

Version

| Set at | Valid from |
|---------|------------|
| 12/3/14 | ST15 |
| 2/7/17 | HT17 |

| | |
|------------------------|-----------------|
| Education level | Second cycle |
| Programme code | TALIL |
| Credits | 60 cr |
| Diary number | HIG-UTB 2014/18 |

Target

A Degree of Master (60 credits) is awarded after the student has completed the courses required to gain 60 credits with a defined specialisation determined by each higher education institution itself, of which at least 30 credits are for specialised study in the principal field (main field of study) of the study programme. In addition the prior award of a Degree of Bachelor, a Degree of Bachelor of Fine Arts, a professional or vocational qualification of at least 180 credits or a corresponding qualification from abroad is required.

Knowledge and understanding

For a Degree of Master (60 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both an overview of the field and specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Skills and abilities

For a Degree of Master (60 credits) the student shall

- demonstrate the ability to integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information,
- demonstrate the ability to identify and formulate issues autonomously as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames,
- demonstrate the ability in speech and writing to report clearly and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and

- demonstrate the skills required for participation in research and development work or employment in some other qualified capacity.

Judgement and attitudes

For a Degree of Master (60 credits) the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work,
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Other degree

A requirement for the award of a Degree of Master (60 credits) is completion by the student of an independent project (degree project) for at least 15 credits in the main field of study.

Degree title

Master of Science (60 Credits)

Prerequisites

A completed Bachelor's degree, corresponding to a Swedish Bachelor's degree (180 ECTS), or equivalent academic qualifications from an internationally recognised university.

Major in Industrial Engineering and Management (90 ECTS) or equivalent.

English language proficiency equivalent to (the Swedish upper secondary school) English course B/6.

Other

60 credits, at advanced level, in industrial management is required for a master degree

Year 1

| Period | Identifier | Title | Level | Credits | Field |
|--------|------------|--|-------|---------|----------------------|
| 1:1 | IEA008 | <i>Strategies and Principles for Effective Logistics Management</i> | A1N | 6 cr | Industrial Economics |
| 1:1 | IEA007 | <i>Introduction to Industrial Management at Advanced Level</i> | A1N | 3 cr | Industrial Economics |
| 1:1 | IEA009 | <i>Reliability, Maintainability and Safety Engineering</i> | A1N | 6 cr | Industrial Economics |
| 1:2 | IEA013 | <i>Simulation Techniques for Logistic Systems</i> | A1N | 6 cr | Industrial Economics |
| 1:2 | IEA011 | <i>Innovation Management and Processes</i> | A1N | 6 cr | Industrial Economics |
| 1:2 | IEA012 | <i>Scientific Methods for Industrial Engineering and Management</i> | A1N | 6 cr | Industrial Economics |
| 1:3 | IEA005 | <i>Strategic Sustainability Management</i> | A1N | 6 cr | Industrial Economics |
| 1:3 | IEA010 | <i>Industrial Project Management</i> | A1N | 6 cr | Industrial Economics |
| 1:4 | IEA700 | <i>Degree Project for a Master of Science in Industrial Engineering and Management</i> | A1E | 15 cr | Industrial Economics |