

# Mechanical Engineering, B Sc in Engineering

180 credits

Högskoleingenjör i maskinteknik

6IMAS

Valid from: 2015 Spring semester

**Determined by** Board of Studies for Mechanical Engineering and Design

**Date determined** 

# **Entry requirements**

Degree in Swedish Högskoleingenjör och Teknologie kandidat, 180 hp



# Curriculum

# Semester 4 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMEI01	Electrical Engineering	6	G1X	3	С
TMMI18	Engineering Materials	6	G1X	2	С
TMMI37	The Finite Element Method, FEM	6*	G2X	1	С
Period 2					
TAIU06	Mathematical Statistics	6	G1F	4	С
TMMI16	Machine Elements	6	G2X	3	С
TMMI37	The Finite Element Method, FEM	6*	G2X	1	С
TPTE06	Industrial Placement	6	G1X	-	E

# Semester 5 (Autumn 2017)



Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI68	CAD and Drafting Techniques, Continued Course	6*	G2X	2	С
TADI02	Numerical Algorithms	6	G2X	2	E
TAIU08	Calculus in Several Variables	6	G1F	3	E
TMAL02	Aircraft and Vehicle Design	6	G2X	4	E
TMKM16	Materials Selection and Optimization	6	A1X	4	E
TMKT80	Wood - Material	6	G2X	2	Е
TMMI19	Engineering Design Methodology	6	G2X	1	Е
TMMI47	Production Development	6	G2X	1	E
TMMI56	Energy Engineering	6	G2X	1	Е
TMPS33	Virtual Manufacturing	6	A1N	4	E
TMPT03	Production Engineering - Continuing Course	6	G2F	2	E
Period 2					
TMMI68	CAD and Drafting Techniques, Continued Course	6*	G2X	4	С
TEAE01	Industrial Economics, Basic Course	6	G1X	2	Е
TEIO29	Leadership and Organisation	6	G1X	4	E
TMKT81	Wood - Realisation	6	G2X	1	E
TMMI09	Vibrations and Fatigue in Mechanical Structures	6	G2X	3	E
TMMI39	Engineering Mechanics, Advanced Course	6	G2X	2	E
TMMI46	Industrial Automation	6	G2X	3	E
TMMI51	Energy Engineering - System	6	G2X	3	E

### Specialisation: Design Enginnering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI19	Engineering Design Methodology	6	G2X	1	С
Period 2					
TMMI09	Vibrations and Fatigue in Mechanical Structures	6	G2X	3	С



#### Specialisation: Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI56	Energy Engineering	6	G2X	1	С
Period 2					
TMMI51	Energy Engineering - System	6	G2X	3	С

#### Specialisation: Production technology

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI47	Production Development	6	G2X	1	С
TMPS33	Virtual Manufacturing	6	A1N	4	Е
TMPT03	Production Engineering - Continuing Course	6	G2F	2	E
Period 2					
TMMI46	Industrial Automation	6	G2X	3	С

## Semester 6 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TGTU58	Communication	2	G2F	2	С
TMMI52	Industrial Automation - Project	12	G2F	1	E
TMMI53	Engineering Design - Project	12	G2F	1	E
TMMI54	Energy Engineering - Project	12	G2X	1	Е
Period 2					
TQXX11	Degree project - Bachelor's Thesis	16	G2X	-	С

### Specialisation: Design Enginnering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI53	Engineering Design - Project	12	G2F	1	С



#### Specialisation: Energy Engineering

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI54	Energy Engineering - Project	12	G2X	1	С

#### Specialisation: Production technology

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TMMI52	Industrial Automation - Project	12	G2F	1	С



ECV = Elective / Compulsory /Voluntary \*The course is divided into several semesters and/or periods