

Mechanical Engineering, M Sc in Engineering

300 credits

Civilingenjör i maskinteknik

6CMMM

Valid from: 2017 Spring semester

Determined by

Board of Studies for Mechanical
Engineering and Design

Date determined

2017-01-25

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp

Curriculum

Semester 1 (Autumn 2017)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 0 | | | | | |
| TATM79 | Foundation Course in Mathematics | 6* | G1X | - | C |
| Period 1 | | | | | |
| TATA67 | Linear Algebra with Geometry | 6* | G1X | 3 | C |
| TATM79 | Foundation Course in Mathematics | 6* | G1X | 3 | C |
| TMKT94 | Introduction to CAD | 6* | G1X | 1 | C |
| TMMV04 | Engineering Thermodynamics | 6 | G1X | 2 | C |
| Period 2 | | | | | |
| TATA67 | Linear Algebra with Geometry | 6* | G1X | 4 | C |
| TDDE04 | Introduction to Programming and Computational Thinking | 6 | G1X | 1 | C |
| TMKT94 | Introduction to CAD | 6* | G1X | 2 | C |

Semester 2 (Spring 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TATA41 | Calculus in One Variable 1 | 6 | G1X | 3 | C |
| TEAE04 | Industrial Economics and Organisation | 6 | G1X | 2 | C |
| TMMT04 | Experimental Mechanical Engineering | 6* | G1X | 1 | C |
| THEN18 | English | 6* | G1X | 1 | E |
| TGTU35 | Introduction to University Studies | 2* | G1X | - | V |
| Period 2 | | | | | |
| TATA42 | Calculus in One Variable 2 | 6 | G1X | 3 | C |
| TMME63 | Engineering Mechanics - Statics | 6 | G1X | 2 | C |
| TMMT04 | Experimental Mechanical Engineering | 6* | G1X | 1 | C |
| THEN18 | English | 6* | G1X | 3 | E |
| TGTU35 | Introduction to University Studies | 2* | G1X | - | V |

Semester 3 (Autumn 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|-----------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TATA69 | Calculus in Several Variables | 6 | G1X | 4 | C |
| TMHL22 | Solid Mechanics | 6 | G2X | 3 | C |
| TMPS34 | Manufacturing Engineering | 6* | G1X | 2 | C |
| Period 2 | | | | | |
| TMME28 | Engineering Mechanics - Dynamics | 6 | G1X | 2 | C |
| TMMV11 | Fluid Mechanics and Heat Transfer | 6 | G2X | 3 | C |
| TMPS34 | Manufacturing Engineering | 6* | G1X | 4 | C |

Semester 4 (Spring 2019)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAMS11 | Probability and Statistics, first course | 6 | G2X | 1 | C |
| TMKA02 | Mechanical Design Methodology and Product Development | 6* | G2X | 2 | C |
| TMKM12 | Engineering Materials Metals | 6 | G1X | 4 | C |
| Period 2 | | | | | |
| TKMJ24 | Environmental Engineering | 6 | G1N | 4 | C |
| TMHL63 | Introduction to Computational Mechanics | 6 | G2X | 1 | C |
| TMKA02 | Mechanical Design Methodology and Product Development | 6* | G2X | 2 | C |
| TPTE06 | Industrial Placement | 6 | G1X | - | E |

Semester 5 (Autumn 2019)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|-----------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMEL08 | Electrical Systems | 6 | G2X | 2 | C |
| TMHL24 | Solid Mechanics - Design Criteria | 6 | G2X | 3 | C |
| TMKM14 | Industrial Material Selection | 6* | G2X | 1 | C |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |
| Period 2 | | | | | |
| TMKM14 | Industrial Material Selection | 6* | G2X | 1 | C |
| TMKT39 | Machine Elements | 6 | G2X | 2 | C |
| TSRT19 | Automatic Control | 6 | G2X | 4 | C |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |

Semester 6 (Spring 2020)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMMS21 | Mechatronics | 6 | G2X | 1 | C |
| TMMT31 | Bachelor Thesis - Mechanical Engineering | 18* | G2X | - | C |
| TPPE91 | Production System Planning and Management | 6 | G2X | 2 | C |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |
| Period 2 | | | | | |
| TMMT31 | Bachelor Thesis - Mechanical Engineering | 18* | G2X | - | C |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |

Semester 7 (Autumn 2020)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TANA21 | Scientific Computing | 6 | G1X | 3 | E |
| TDDE18 | Programming C++ | 6* | G2X | 2 | E |
| TEIM11 | Industrial Marketing | 6 | G2X | 3 | E |
| TETS37 | Basics in Logistics Management | 6 | G2X | 4 | E |
| TFYA88 | Additive Manufacturing: Tools, Materials and Methods | 6 | A1X | 3 | E |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | E |
| TMAL02 | Aircraft and Vehicle Design | 6 | G2X | 4 | E |
| TMES09 | Industrial Energy Systems | 6 | A1X | 2 | E |
| TMES27 | Modelling of Energy Systems | 6 | A1X | 3 | E |
| TMHL03 | Mechanics of Light Structures | 6 | A1X | 2 | E |
| TMHP02 | Fluid Power Systems | 6 | G2X | 2 | E |
| TMKM17 | Polymer Materials | 6 | A1X | 2 | E |
| TMKM99 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | E |
| TMKO02 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | E |
| TMKT69 | Conceptual Design - Project Course | 6 | A1X | 4 | E |
| TMKT80 | Wood - Material | 6 | G2X | 2 | E |
| TMME14 | Machine Elements, Second Course | 6 | A1X | 3 | E |
| TMME40 | Vibration Analysis of Structures | 6 | A1X | 3 | E |
| TMME66 | Musculoskeletal Biomechanics and Human Movements | 6 | G2X | 2 | E |
| TMME67 | Musculoskeletal Biomechanics and Human Movements | 6 | A1X | 2 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 2 | E |
| TMMS11 | Models of Mechanics | 6* | A1X | 3 | E |
| TMMV01 | Aerodynamics | 6 | A1X | 2 | E |
| TMMV18 | Fluid Mechanics | 6 | A1X | 1 | E |
| TMPS33 | Virtual Manufacturing | 6 | A1X | 4 | E |

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| TMPT03 | Production Engineering - Continuing Course | 6 | G2X | 2 | E |
| TMQU03 | Quality Management and Engineering | 6 | G2X | 2 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| TSFS09 | Modelling and Control of Engines and Drivelines | 6* | A1X | 4 | E |
| TMPP02 | Project Course - Race Vehicle Engineering | 6* | G1X | - | V |
| Period 2 | | | | | |
| TATA71 | Ordinary Differential Equations and Dynamical Systems | 6 | G2X | 2 | E |
| TDDE18 | Programming C++ | 6* | G2X | 1 | E |
| TEIE42 | Industrial Sales Management | 6 | A1X | 4 | E |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | E |
| TETS27 | Supply Chain Logistics | 6 | A1X | 2 | E |
| TFYA96 | The physics behind technology | 6 | G2X | 4 | E |
| TGTU04 | Leadership | 6 | G2X | 2 | E |
| TGTU49 | History of Technology | 6 | G1X | 3 | E |
| TKMJ28 | Management Systems and Sustainability | 6 | A1X | 2 | E |
| TMES17 | Building Energy Systems | 6 | A1X | 3 | E |
| TMES25 | Energy Resources | 6 | A1X | 1 | E |
| TMES45 | Energy Planning and Modelling of Communities | 6 | A1X | 4 | E |
| TMHL41 | Continuum Mechanics | 6 | A1X | 4 | E |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | E |
| TMKA03 | Industrial Design | 6 | G2X | 1 | E |
| TMKM90 | Engineering Materials - Deformation and Fracture | 6 | A1X | 2 | E |
| TMKT71 | Affective Engineering | 6 | A1X | 2 | E |
| TMKU02 | Wood - Realisation | 6 | G2X | 1 | E |
| TMME50 | Flight Mechanics | 6 | A1X | 2 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 4 | E |
| TMMS11 | Models of Mechanics | 6* | A1X | 3 | E |
| TMMS31 | Biomechanical Modelling of Tissues and Systems | 6 | A1X | 4 | E |

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|------------------|-----|
| TMMV54 | Computational Heat Transfer | 6 | A1X | 1 | E |
| TMPS22 | Assembly Technology | 6 | A1X | 3 | E |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | E |
| TSEA81 | Computer Engineering and Real-time Systems | 6 | A1X | 4 | E |
| TSFS02 | Vehicle Dynamics and Control | 6 | A1X | 1 | E |
| TSFS09 | Modelling and Control of Engines and Drivelines | 6* | A1X | 3 | E |
| TSIU02 | Computer Hardware and Architecture | 4 | G1X | 2 | E |
| TSRT06 | Automatic Control, Advanced Course | 6 | A1X | 2 | E |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |
| TMPP02 | Project Course - Race Vehicle Engineering | 6* | G1X | - | V |

Specialisation: Aeronautical Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|-------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMAL02 | Aircraft and Vehicle Design | 6 | G2X | 4 | C |
| TMMV01 | Aerodynamics | 6 | A1X | 2 | C |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | E |
| TMHL03 | Mechanics of Light Structures | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | C |
| TMME50 | Flight Mechanics | 6 | A1X | 2 | C |
| TMHL41 | Continuum Mechanics | 6 | A1X | 4 | E |
| TMMS20 | Structural Optimization | 6 | A1X | 1 | E |

Specialisation: Energy and Environmental Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMES09 | Industrial Energy Systems | 6 | A1X | 2 | C |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | E |
| TMES27 | Modelling of Energy Systems | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMES25 | Energy Resources | 6 | A1X | 1 | C |
| TKMJ28 | Management Systems and Sustainability | 6 | A1X | 2 | E |
| TMES17 | Building Energy Systems | 6 | A1X | 3 | E |
| TMES45 | Energy Planning and Modelling of Communities | 6 | A1X | 4 | E |

Specialisation: Engineering Design and Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMKT69 | Conceptual Design - Project Course | 6 | A1X | 4 | C |
| TMME14 | Machine Elements, Second Course | 6 | A1X | 3 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 2 | E |
| TMMV18 | Fluid Mechanics | 6 | A1X | 1 | E |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2X | 2 | E |
| Period 2 | | | | | |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | E |
| TMKT71 | Affective Engineering | 6 | A1X | 2 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 4 | E |
| TMMV54 | Computational Heat Transfer | 6 | A1X | 1 | E |

Specialisation: Engineering materials

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMKM17 | Polymer Materials | 6 | A1X | 2 | C |
| TMKM99 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | C |
| TMKO02 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | C |
| TFYA95 | Principles of Materials Science | 6 | A1X | 2 | E |
| TMHL03 | Mechanics of Light Structures | 6 | A1X | 2 | E |
| TMKT69 | Conceptual Design - Project Course | 6 | A1X | 4 | E |
| TMKT80 | Wood - Material | 6 | G2X | 2 | E |
| TMME14 | Machine Elements, Second Course | 6 | A1X | 3 | E |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2X | 2 | E |
| Period 2 | | | | | |
| TMKM90 | Engineering Materials - Deformation and Fracture | 6 | A1X | 2 | C |
| TMHL41 | Continuum Mechanics | 6 | A1X | 4 | E |
| TMMV54 | Computational Heat Transfer | 6 | A1X | 1 | E |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |

Specialisation: Engineering Mechanics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMHL03 | Mechanics of Light Structures | 6 | A1X | 2 | C |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | E |
| TMKM99 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | E |
| TMKO02 | Engineering Materials and Manufacturing Technology | 6 | A1X | 2 | E |
| TMME40 | Vibration Analysis of Structures | 6 | A1X | 3 | E |
| TMME66 | Musculoskeletal Biomechanics and Human Movements | 6 | G2X | 2 | E |
| TMME67 | Musculoskeletal Biomechanics and Human Movements | 6 | A1X | 2 | E |
| TMMS11 | Models of Mechanics | 6* | A1X | 3 | E |
| TMMV18 | Fluid Mechanics | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMHL41 | Continuum Mechanics | 6 | A1X | 4 | C |
| TMMV54 | Computational Heat Transfer | 6 | A1X | 1 | C |
| TMMS11 | Models of Mechanics | 6* | A1X | 3 | E |
| TMMS31 | Biomechanical Modelling of Tissues and Systems | 6 | A1X | 4 | E |

Specialisation: Logistics and Supply Chain Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TETS37 | Basics in Logistics Management | 6 | G2X | 4 | C |
| TEIM11 | Industrial Marketing | 6 | G2X | 3 | E |
| TMQU03 | Quality Management and Engineering | 6 | G2X | 2 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TETS27 | Supply Chain Logistics | 6 | A1X | 2 | C |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | E |

Specialisation: Mechatronics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMHP02 | Fluid Power Systems | 6 | G2X | 2 | C |
| TSFS09 | Modelling and Control of Engines and Drivelines | 6* | A1X | 4 | C |
| Period 2 | | | | | |
| TSFS09 | Modelling and Control of Engines and Drivelines | 6* | A1X | 3 | C |
| TSRT06 | Automatic Control, Advanced Course | 6 | A1X | 2 | C |
| TMME50 | Flight Mechanics | 6 | A1X | 2 | E |
| TSFS02 | Vehicle Dynamics and Control | 6 | A1X | 1 | E |

Specialisation: Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMPS33 | Virtual Manufacturing | 6 | A1X | 4 | E |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2X | 2 | E |
| TPPE17 | Corporate Finance | 6 | G2X | 4 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMQU12 | Lean Production | 6 | A1X | 2 | C |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | C |
| TMPS22 | Assembly Technology | 6 | A1X | 3 | E |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |

Specialisation: Production Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2X | 2 | C |
| TETS37 | Basics in Logistics Management | 6 | G2X | 4 | E |
| TMPS33 | Virtual Manufacturing | 6 | A1X | 4 | E |
| TMQU03 | Quality Management and Engineering | 6 | G2X | 2 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | C |
| TMPS22 | Assembly Technology | 6 | A1X | 3 | E |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |

Specialisation: Quality Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP88 | Engineering Optimization | 6 | G2X | 1 | C |
| TMQU03 | Quality Management and Engineering | 6 | G2X | 2 | C |
| TEIM11 | Industrial Marketing | 6 | G2X | 3 | E |
| TETS37 | Basics in Logistics Management | 6 | G2X | 4 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMQU12 | Lean Production | 6 | A1X | 2 | C |
| TETS27 | Supply Chain Logistics | 6 | A1X | 2 | E |

Semester 8 (Spring 2021)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TDDE10 | Object Oriented Programming in Java | 6 | G2X | 1 | E |
| TEIO13 | Leadership and Organizational Change | 6 | A1X | 4 | E |

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| TEIO46 | Technology-based Projects and Organisations | 6* | G2X | 4 | E |
| TEIO94 | Entrepreneurship and Idea Development | 6* | G2X | 4 | E |
| TETS57 | Logistics Analysis | 6 | A1X | 2 | E |
| TGTU91 | Oral and Written Communication | 6 | G1X | 2 | E |
| TGTU94 | Technology and Ethics | 6 | G1X | 1 | E |
| TKMJ10 | Industrial Ecology | 6 | A1X | 1 | E |
| TKMJ15 | Environmental Management Strategies | 6 | G1F | 3 | E |
| TMAL51 | Aircraft Conceptual Design | 6 | A1X | 2 | E |
| TMAL56 | Aircraft Systems Engineering | 6 | A1X | 1 | E |
| TMES43 | Analysis and Modelling of Industrial Energy Systems | 6 | A1X | 1 | E |
| TMHL62 | The Finite Element Method; advanced course | 6 | A1X | 4 | E |
| TMHP51 | Hydraulic Servo Systems | 6 | A1X | 3 | E |
| TMKA04 | Wood - Innovation | 6 | A1X | 1 | E |
| TMKO01 | Advanced materials and the environment | 6 | A1X | 2 | E |
| TMKO04 | Composite materials | 6* | A1X | 1 | E |
| TMKT48 | Design Optimization | 6 | A1X | 3 | E |
| TMKT59 | Computers as Design Tools | 6* | G2X | 3 | E |
| TMKT74 | Advanced CAD | 6 | A1X | 4 | E |
| TMMS30 | Multi Body Dynamics and Robotics | 6 | A1X | 1 | E |
| TMMV08 | Computational Fluid Dynamics | 6 | A1X | 3 | E |
| TMPS42 | Production System Automation | 6 | A1X | 1 | E |
| TMQU31 | Statistical Quality Control | 6 | A1X | 2 | E |
| TPPE78 | Quantitative Models and Analysis in Operations Management | 6 | A1X | 1 | E |
| TRTE16 | Basic Principles for Environmental Chemistry | 6* | G1X | 1 | E |
| TSFS04 | Electrical Drives | 6 | G2X | 4 | E |
| TSIU51 | Project with Microcontroller | 8* | G1X | 3 | E |
| TSRT07 | Industrial Control Systems | 6 | A1X | 2 | E |
| TMPP02 | Project Course - Race Vehicle Engineering | 6* | G1X | - | V |
| Period 2 | | | | | |
| TANA31 | Computational Methods for Ordinary and Partial Differential Equations | 6 | A1X | 2 | E |

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|------------------|-----|
| TDDD12 | Database Technology | 6 | G2X | 4 | E |
| TEAE13 | Civil and Commercial Law | 6 | G1X | 2 | E |
| TEIO46 | Technology-based Projects and Organisations | 6* | G2X | 1 | E |
| TEIO94 | Entrepreneurship and Idea Development | 6* | G2X | 4 | E |
| TETS36 | Sustainable Logistics Systems | 6 | A1X | 4 | E |
| TETS56 | Logistics and Quality in Health Care | 6 | A1X | 2 | E |
| TGTU95 | Philosophy of Science and Technology | 6 | G1X | 4 | E |
| TKMJ29 | Resource Efficient Products | 6 | A1N | 1 | E |
| TMAL06 | Aircraft Conceptual Design - Project Course | 6 | A1X | 2 | E |
| TMHL61 | Damage Mechanics and Life Analysis | 6 | A1X | 2 | E |
| TMHP06 | Fluid power systems, advanced course | 6 | A1X | 2 | E |
| TMKM17 | Polymer Materials | 6 | A1X | 2 | E |
| TMKO03 | Metals for lightweight applications | 6 | A1X | 3 | E |
| TMKO04 | Composite materials | 6* | A1X | 4 | E |
| TMKT57 | Product Modelling | 6 | A1X | 3 | E |
| TMKT59 | Computers as Design Tools | 6* | G2X | 3 | E |
| TMKT77 | System Safety | 6 | A1X | 4 | E |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | E |
| TMME19 | Mechanics, second course | 6 | A1X | 1 | E |
| TMMV07 | Computational Fluid Dynamics, advanced course | 6 | A1X | 4 | E |
| TMMV56 | Aerodynamics, Continued Course | 6 | A1X | 3 | E |
| TMPS27 | Production Systems | 6 | A1X | 3 | E |
| TMQU04 | Six Sigma Quality | 6 | A1X | 2 | E |
| TMQU13 | Customer Focused Product and Service Development | 6 | A1X | 4 | E |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1X | 4 | E |
| TRTE16 | Basic Principles for Environmental Chemistry | 6* | G1X | 1 | E |
| TSFS03 | Vehicle Propulsion Systems | 6 | A1X | 3 | E |
| TSFS06 | Diagnosis and Supervision | 6 | A1X | 1 | E |
| TSFS11 | Electrical and Energy Technology | 6 | G2X | 4 | E |
| TSIU51 | Project with Microcontroller | 8* | G1X | - | E |

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|------------------|-----|
| TMPP02 | Project Course - Race Vehicle Engineering | 6* | G1X | - | V |

Specialisation: Aeronautical Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMAL51 | Aircraft Conceptual Design | 6 | A1X | 2 | C |
| TMMV08 | Computational Fluid Dynamics | 6 | A1X | 3 | C |
| TMAL56 | Aircraft Systems Engineering | 6 | A1X | 1 | E |
| TMHL62 | The Finite Element Method; advanced course | 6 | A1X | 4 | E |
| TMKO01 | Advanced materials and the environment | 6 | A1X | 2 | E |
| TMMS30 | Multi Body Dynamics and Robotics | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMAL06 | Aircraft Conceptual Design - Project Course | 6 | A1X | 2 | C |
| TMHL61 | Damage Mechanics and Life Analysis | 6 | A1X | 2 | E |
| TMKO03 | Metals for lightweight applications | 6 | A1X | 3 | E |
| TMKT57 | Product Modelling | 6 | A1X | 3 | E |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | E |
| TMMV07 | Computational Fluid Dynamics, advanced course | 6 | A1X | 4 | E |
| TMMV56 | Aerodynamics, Continued Course | 6 | A1X | 3 | E |

Specialisation: Energy and Environmental Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|-----------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TKMJ10 | Industrial Ecology | 6 | A1X | 1 | C |
| Period 2 | | | | | |
| TKMJ29 | Resource Efficient Products | 6 | A1N | 1 | C |

Specialisation: Engineering Design and Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMKT48 | Design Optimization | 6 | A1X | 3 | C |
| TMKT74 | Advanced CAD | 6 | A1X | 4 | C |
| TMKO01 | Advanced materials and the environment | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMKT77 | System Safety | 6 | A1X | 4 | C |
| TKMJ29 | Resource Efficient Products | 6 | A1N | 1 | E |
| TMKT57 | Product Modelling | 6 | A1X | 3 | E |

Specialisation: Engineering materials

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMKO01 | Advanced materials and the environment | 6 | A1X | 2 | C |
| TMKO04 | Composite materials | 6* | A1X | 1 | C/E |
| TFYM04 | Growth and characterization of nanomaterials | 6* | A1X | 1 | E |
| TMHL62 | The Finite Element Method; advanced course | 6 | A1X | 4 | E |
| TMKT48 | Design Optimization | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMKM17 | Polymer Materials | 6 | A1X | 2 | C |
| TMKO03 | Metals for lightweight applications | 6 | A1X | 3 | C/E |
| TMKO04 | Composite materials | 6* | A1X | 4 | C/E |
| TFYA21 | Physical Metallurgy | 6 | A1X | 3 | E |
| TFYM04 | Growth and characterization of nanomaterials | 6* | A1X | 1 | E |
| TMHL61 | Damage Mechanics and Life Analysis | 6 | A1X | 2 | E |

Specialisation: Engineering Mechanics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMHL62 | The Finite Element Method; advanced course | 6 | A1X | 4 | C/E |
| TMMV08 | Computational Fluid Dynamics | 6 | A1X | 3 | C/E |
| TMKO01 | Advanced materials and the environment | 6 | A1X | 2 | E |
| TMKO04 | Composite materials | 6* | A1X | 1 | E |
| TMMS30 | Multi Body Dynamics and Robotics | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMHL61 | Damage Mechanics and Life Analysis | 6 | A1X | 2 | E |
| TMKO04 | Composite materials | 6* | A1X | 4 | E |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | E |
| TMME19 | Mechanics, second course | 6 | A1X | 1 | E |
| TMMV07 | Computational Fluid Dynamics, advanced course | 6 | A1X | 4 | E |
| TMMV56 | Aerodynamics, Continued Course | 6 | A1X | 3 | E |

Specialisation: Logistics and Supply Chain Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TETS57 | Logistics Analysis | 6 | A1X | 2 | C |
| Period 2 | | | | | |
| TETS36 | Sustainable Logistics Systems | 6 | A1X | 4 | E |
| TETS56 | Logistics and Quality in Health Care | 6 | A1X | 2 | E |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1X | 4 | E |

Specialisation: Mechatronics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMHP51 | Hydraulic Servo Systems | 6 | A1X | 3 | C |
| TMMS30 | Multi Body Dynamics and Robotics | 6 | A1X | 1 | E |
| TSFS04 | Electrical Drives | 6 | G2X | 4 | E |
| TSRT07 | Industrial Control Systems | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMHP06 | Fluid power systems, advanced course | 6 | A1X | 2 | E |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | E |
| TSFS03 | Vehicle Propulsion Systems | 6 | A1X | 3 | E |
| TSFS06 | Diagnosis and Supervision | 6 | A1X | 1 | E |
| TSRT14 | Sensor Fusion | 6 | A1X | 2 | E |

Specialisation: Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TPPE78 | Quantitative Models and Analysis in Operations Management | 6 | A1X | 1 | C/E |
| TMPS42 | Production System Automation | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1X | 4 | C |
| TMPS27 | Production Systems | 6 | A1X | 3 | E |

Specialisation: Production Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPS42 | Production System Automation | 6 | A1X | 1 | C |
| TMQU31 | Statistical Quality Control | 6 | A1X | 2 | E |
| TPPE78 | Quantitative Models and Analysis in Operations Management | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMPS27 | Production Systems | 6 | A1X | 3 | E |
| TMQU04 | Six Sigma Quality | 6 | A1X | 2 | E |
| TMQU13 | Customer Focused Product and Service Development | 6 | A1X | 4 | E |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1X | 4 | E |

Specialisation: Quality Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMQU31 | Statistical Quality Control | 6 | A1X | 2 | C |
| TAMS65 | Mathematical Statistics, second course | 6* | G2X | 4 | E |
| TEIO13 | Leadership and Organizational Change | 6 | A1X | 4 | E |
| Period 2 | | | | | |
| TMQU04 | Six Sigma Quality | 6 | A1X | 2 | C/E |
| TMQU13 | Customer Focused Product and Service Development | 6 | A1X | 4 | C/E |
| TAMS65 | Mathematical Statistics, second course | 6* | G2X | 2 | E |
| TEIM07 | Industrial Market Research | 6 | A1X | 2 | E |
| TETS56 | Logistics and Quality in Health Care | 6 | A1X | 2 | E |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1X | 4 | E |

Semester 9 (Autumn 2021)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TAOP34 | Large Scale Optimization | 6 | A1X | 3 | E |
| TBME04 | Anatomy and Physiology | 6 | G2X | 3 | E |
| TETS23 | Purchasing | 6 | A1X | 2 | E |
| TMHL19 | Advanced Material and Computational Mechanics | 6 | A1X | 1 | E |
| TMKT79 | Collaborative Multidisciplinary Design Optimization | 6 | A1X | 2 | E |
| TMMS13 | Electro Hydraulic Systems | 6 | A1X | 3 | E |
| TMMV12 | Gas Turbine Engines | 6 | A1X | 4 | E |
| TMPS35 | Emerging Factory Technologies | 6 | A1X | 3 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| TSFS12 | Autonomous Vehicles - Planning, Control, and Learning Systems | 6 | A1X | 1 | E |
| TSRT92 | Modelling and Learning for Dynamical Systems | 6 | A1X | 3 | E |
| TSTE25 | Power Electronics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TAOP18 | Supply Chain Optimization | 6 | A1X | 1 | E |
| TETS31 | Logistics Strategies | 6 | A1X | 4 | E |
| TKMJ32 | Integrated Product Service Engineering | 6 | A1N | 3 | E |
| TMES51 | International Energy Markets | 6 | A1X | 1 | E |
| TMKA11 | Model-based System-of-Systems Engineering | 6 | A1X | 3 | E |
| TMMS20 | Structural Optimization | 6 | A1X | 1 | E |
| TSRT08 | Optimal Control | 6 | A1X | 3 | E |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |
| TSTE26 | Powergrid and Technology for Renewable Production | 6 | A1X | 3 | E |

Specialisation: Aeronautical Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMAL07 | Prototype Realization - Project Course | 6 | A1X | - | C |
| TMMV12 | Gas Turbine Engines | 6 | A1X | 4 | C |
| TMME40 | Vibration Analysis of Structures | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMAL08 | Aircraft Systems Engineering - Project Course | 6 | A1X | - | C/E |
| TMHL26 | Aircraft Structures - Project Course | 6 | A1X | - | C/E |
| TMMV26 | Aircraft Aerodynamics - Project Course | 6 | A1X | - | C/E |
| TMKA11 | Model-based System-of-Systems Engineering | 6 | A1X | 3 | E |
| TMKM90 | Engineering Materials - Deformation and Fracture | 6 | A1X | 2 | E |
| TMMV54 | Computational Heat Transfer | 6 | A1X | 1 | E |

Specialisation: Energy and Environmental Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPE08 | Project Course Advanced - Energy and Environmental Engineering | 12* | A1X | - | C |
| Period 2 | | | | | |
| TMPE08 | Project Course Advanced - Energy and Environmental Engineering | 12* | A1X | - | C |
| TKMJ32 | Integrated Product Service Engineering | 6 | A1N | 3 | E |
| TMES51 | International Energy Markets | 6 | A1X | 1 | E |

Specialisation: Engineering Design and Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | 1 | C |
| TMKT79 | Collaborative Multidisciplinary Design Optimization | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | 4 | C |
| TDDE01 | Machine Learning | 6 | A1X | 1 | E |
| TMKU01 | Design Automation of Customized Products | 6 | A1X | 2 | E |

Specialisation: Engineering materials

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPM09 | Project Course Advanced - Engineering Materials | 12* | A1X | - | C |
| TFYA88 | Additive Manufacturing: Tools, Materials and Methods | 6 | A1X | 3 | E |
| TMHL19 | Advanced Material and Computational Mechanics | 6 | A1X | 1 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 2 | E |
| Period 2 | | | | | |
| TMPM09 | Project Course Advanced - Engineering Materials | 12* | A1X | - | C |
| TDDE01 | Machine Learning | 6 | A1X | 1 | E |
| TMMI68 | CAD and Drafting Techniques, Continued Course | 6* | G2X | 4 | E |

Specialisation: Engineering Mechanics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPM07 | Project Course Advanced - Applied Mechanics | 12* | A1X | - | C |
| TMHL19 | Advanced Material and Computational Mechanics | 6 | A1X | 1 | E |
| TMMV59 | Applied Computational Fluid Dynamics | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMPM07 | Project Course Advanced - Applied Mechanics | 12* | A1X | - | C |
| TMMS20 | Structural Optimization | 6 | A1X | 1 | E |

Specialisation: Logistics and Supply Chain Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TETS38 | Logistics Project | 12* | A1X | 4 | C |
| TETS23 | Purchasing | 6 | A1X | 2 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TETS38 | Logistics Project | 12* | A1X | 2 | C |
| TAOP18 | Supply Chain Optimization | 6 | A1X | 1 | E |
| TETS31 | Logistics Strategies | 6 | A1X | 4 | E |

Specialisation: Mechatronics

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPM06 | Project Course Advanced - Mechatronics | 12* | A1X | 4 | C/E |
| TSRT10 | Automatic Control - Project Course | 12* | A1X | 4 | C/E |
| TDDE18 | Programming C++ | 6* | G2X | 2 | E |
| TMMS13 | Electro Hydraulic Systems | 6 | A1X | 3 | E |
| TSFS12 | Autonomous Vehicles - Planning, Control, and Learning Systems | 6 | A1X | 1 | E |
| TSRT92 | Modelling and Learning for Dynamical Systems | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMPM06 | Project Course Advanced - Mechatronics | 12* | A1X | - | C/E |
| TSRT10 | Automatic Control - Project Course | 12* | A1X | 4 | C/E |
| TDDE01 | Machine Learning | 6 | A1X | 1 | E |
| TDDE18 | Programming C++ | 6* | G2X | 1 | E |
| TMKA11 | Model-based System-of-Systems Engineering | 6 | A1X | 3 | E |
| TSRT08 | Optimal Control | 6 | A1X | 3 | E |

Specialisation: Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | C |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | C/E |
| TMPS35 | Emerging Factory Technologies | 6 | A1X | 3 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | C |
| TAOP18 | Supply Chain Optimization | 6 | A1X | 1 | E |

Specialisation: Production Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1X | - | C |
| TMPS35 | Emerging Factory Technologies | 6 | A1X | 3 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1X | - | C |

Specialisation: Quality Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|-------------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMQU27 | Quality Management - Project Course | 12* | A1X | 2 | C |
| TMQU47 | Quality Engineering and Design | 6 | A1X | 4 | E |
| Period 2 | | | | | |
| TMQU27 | Quality Management - Project Course | 12* | A1X | 4 | C |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | E |

Semester 10 (Spring 2022)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-----------------|----------------------------------|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TQXX33 | Degree project - Master's Thesis | 30* | A1X | - | C |
| Period 2 | | | | | |
| TQXX33 | Degree project - Master's Thesis | 30* | A1X | - | C |

ECV = Elective / Compulsory / Voluntary

*The course is divided into several semesters and/or periods

Common rules

Structure and organisation of study programmes

The contents and design of the programmes are to be continuously revised such that new knowledge is integrated into courses and specialisations. Within one programme, several study specialisations or profiles may be available. The identities of the study specialisations or profiles and the regulations governing how these may be selected are given in the syllabus and curriculum for the particular field of study and programmes.

The structure and organisation of the programmes are to follow specified criteria that are summarised in the syllabus for each programme.

- The syllabus defines the aims of the study programme.
- The curriculum, which constitutes one part of the syllabus for the field of study, gives details of the terms in which the various courses have been timetabled, and their scheduling through the academic year.
- The course syllabus specifies, among other things, the aim and contents of the course, and the prior knowledge that a student must have in order to be able to benefit from the course.

Qualification requirements

The qualification requirements specified in the Higher Education Ordinance 2007 apply to students admitted after 1 July 2007. A student who has completed components of a programme after 1 July 2007 has the right to be assessed with respect to the qualification requirements specified by the Higher Education Ordinance 2007. In addition, local regulations laid down by the faculty boards and university board apply, see <http://styrdokument.liu.se/Regelsamling/VisaBeslut/622693>.

Higher Education Act Chapter 1, Section 8:

First-cycle courses and study programmes are to develop:

- the ability to make independent and critical assessments
- the ability to identify, formulate and solve problems autonomously, and
- the preparedness to deal with changes in working life.

In addition to knowledge and skills in their field of study, students shall develop the ability to:

- gather and interpret information at a scholarly level
- stay abreast of the development of knowledge, and
- communicate their knowledge to others, including those who lack specialist knowledge in the field.

Qualifications within a study programme

Qualification requirements that are specific to a study programme are given in the syllabus for that programme.

Matriculation and postponement of matriculation

A person who has been accepted for a study programme is to start their studies (matriculate) in the term that is specified in the decision about admission. The date and location of the compulsory matriculation procedure will be communicated to those admitted to the first term of the programme.

At any one admission occasion, it is possible to be admitted to only one place on a study programme. A student who has been granted a place on a study programme and who is offered and accepts a place on another study programme during a supplementary round of admission will lose the place offered for the first study programme.

Regulations concerning postponement of matriculation have been laid down in the admission regulations for Linköping University,
<http://stydokument.liu.se/Regelsamling/VisaBeslut/622645>.

A person who has been granted postponement must present to the admitting authority, before the term in which the studies are to be started and before the date of application, a renewed registration for the programme and a copy of the decision granting postponement.

Admission to a later part of a programme

Admission to a part of a study programme is used here to refer to admission with the purpose of completing the programme and taking a degree. Admission to a later part of a programme may take place only if sufficient resources and space on the programme are available. Furthermore, the applicant must satisfy the entry requirements for the relevant term of the programme, as specified in
http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva/Tekniska_fakulteten.

Interruption in studies

Notification of an interruption in studies is to be made through the Student Portal. If such a notification is not made and if the student does not register for the first term during which the interruption is to take place, the interruption will be considered to be a withdrawal. An interruption in studies must cover a complete term, and notification of interruptions can be given for a maximum of two consecutive terms. Notification of resumption of studies is to take place at the term registration for the term that follows the interruption. If the student does not register at the term registration, this will be regarded as withdrawal from studies.

A student who is taking an interruption in studies may during this period retake examinations if he or she has re-registered for the most recent study term of the programme. A student who wishes to take another course during the interruption in studies must apply for this separately. The student is responsible that

registration for courses is carried out at the correct times in preparation for the resumption of studies.

Withdrawal from a study programme

A student who wishes to withdraw from a study programme must notify the study guidance counsellor. A student who leaves the studies without giving notification of an interruption in study and who fails to register for the immediately subsequent term is considered to have withdrawn. A student who has withdrawn may return to the study programme if a vacancy is available that is not required for students returning after an interruption in study, and not required for students who are changing their location of study and/or study programme.

Interrupting a course

The vice-chancellor's decision concerning regulations for registration, deregistration and reporting results (Dnr LiU-2015-01241) states that interruptions in study are to be recorded in Ladok. Thus, all students who do not participate in a course for which they have registered must record the interruption, such that the registration on the course can be removed. Deregistration from a course is carried out using a web-based form: www.lith.liu.se/for-studenter/kurskomplettering?l=sv.

Courses within a study programme

The curriculum for the various years of a study programme specify which courses are compulsory (o), elective (v) and voluntary (f). If a student wishes to study a different combination than the one specified in the curriculum, an application must be made to the board of studies.

Registration for programme courses

Registration for courses that are given as part of a study programme must be made during the specified period, which has been preliminarily set to 1-10 April for the autumn term, and 1-10 October for the spring term. Information about course registration is published on a webpage, sent to students by email, and disseminated at scheduled information meetings.

Registration for programme courses as single-subject courses

Admission to a programme course as a single-subject subject course may take place only if sufficient resources and space on the course are available. Furthermore, the applicant must satisfy the entry requirements for the relevant course.

Cancelled courses

Courses with few participants (fewer than 10) may be cancelled or organised in a

manner that differs from that stated in the course syllabus. The board of studies is to deliberate and decide whether a course is to be cancelled or changed from the course syllabus.

Timetabling

Courses are timetabled after a decision has been made concerning the assignment of the course to a study period. A central timetable is not drawn up for courses with fewer than five participants. Most project courses do not have a central timetable.

Study planning

Students who require support in planning their continued studies can contact the study guidance counsellor of the programme. Study planning involves the student and the study guidance counsellor together drawing up an individual plan for studies during the subsequent term. The individual plan may allow the student to deviate from the general curriculum.

Completed first-cycle courses are a precondition for successful studies at more advanced levels. For this reason, study planning is based on giving priority to courses from earlier years of study that have not been completed. If further capacity is available, new courses may be taken.

Study planning takes place on a regular basis if the student:

- does not satisfy the requirements for progression to later terms. In order for a student to be able to participate in courses from later years in such cases, a decision of exemption is required.
- does not satisfy the requirements for starting a degree project.

Other situations in which study planning may be required:

- A student has fallen behind during the early part of a study programme and has failed to complete several courses.
- A student has not satisfied the entry requirements for a degree project before term 6 of an engineering degree.
- A student has applied for admission to a later part of a programme.
- Studies have been carried out abroad.
- A study programme is to be resumed after an interruption.

In these cases the study guidance counsellor supports the student in planning the continued studies, also in situations in which the student can register for the relevant courses without the need for a special decision for the continued studies.

Part of education abroad

Students can exchange study at LiTH for study at an institute of higher education abroad, and/or work on a degree project abroad.

In the event that study (courses) at LiTH are exchanged for study abroad, the

relevant board of studies (faculty programme director) is responsible for a decision about an individual study plan, which is to be drawn up in advance, and about the final course approval and its inclusion in the qualification requirements. For this reason, students who plan to participate in an exchange should contact the faculty programme director (or equivalent) at the Dean's Office of the Institute of Technology.

Regulations for entry requirements, ranking and nomination for study abroad through LiTH's exchange agreements are specified in:
<http://stydokument.liu.se/Regelsamling/VisaBeslut/622362>. Special regulations apply for the compulsory study abroad within Ii (Industrial Engineering and Management – International) and Yi (Applied Physics and Electrical Engineering – International).

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.