

Industrial Engineering and Management, M Sc in Engineering

300 credits

Civilingenjör i industriell ekonomi

6CIII

Valid from: 2016 Spring semester

Determined byBoard of Studies for Industrial
Engineering and Logistics

Date determined 2016-01-19

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp



Curriculum

Semester 2 (Spring 2017)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|-------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TATA42 | Calculus in One Variable 2 | 6 | G1F | 2 | С |
| TDDD11 | Introduction to Programming | 8* | G1X | 4 | С |
| TEIO61 | Industrial Management | 6 | G2X | 1 | С |
| Period 2 | | | | | |
| TAOP52 | Introduction to Operations Research | 4 | G1F | 3 | С |
| TATA69 | Calculus in Several Variables | 6 | G1F | 2 | С |
| TDDD11 | Introduction to Programming | 8* | G1X | 4 | С |

Semester 3 (Autumn 2017)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TKMJ51 | Corporate Sustainability Management | 6 | G1X | 2 | С |
| TMME27 | Engineering Mechanics | 10* | G1X | 3 | С |
| TSRT22 | Automatic Control | 6 | G2X | 4 | С |
| Period 2 | | | | | |
| TAMS79 | Mathematical Statistics, First Course | 4 | G1F | 3 | С |
| TMME27 | Engineering Mechanics | 10* | G1X | 1 | С |
| TPPE98 | Economic Analysis: Economic Theory | 4 | G2X | 2 | С |



Semester 4 (Spring 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TAMS65 | Mathematical Statistics, second course | 6* | G2F | 4 | С |
| TAOP62 | Operations Research, Extended Course | 6 | G2F | 3 | С |
| TDDE10 | Object Oriented Programming in Java | 6 | G2F | 1 | E |
| TFBI11 | Genetics and Evolution | 6 | G1X | 2 | E |
| TMMV04 | Engineering Thermodynamics | 6 | G1X | 2 | E |
| TMPT07 | Manufacturing Technology | 6 | G2X | 2 | E |
| TSEA22 | Switching Theory and Logical Design | 6 | G1N | 2 | E |
| TSRT04 | Introduction in Matlab | 2 | G1X | 2 | E |
| Period 2 | | | | | |
| TAMS65 | Mathematical Statistics, second course | 6* | G2F | 2 | С |
| TPPE24 | Economic Analysis: Decision- and Financial Methodology | 6 | G2X | 3 | С |
| TATA82 | Discrete Mathematics | 6 | G1F | 1 | E |
| TFKE52 | Fundamentals of Chemistry | 6 | G1X | 1 | E |
| TMES44 | Energy Systems - Supply and Demand | 6 | G2F | 1 | E |
| TMKT14 | CAD and Machine Elements | 6 | G2X | 1 | E |
| TSEA57 | Computer Hardware and Architecture | 6 | G1X | 4 | E |
| TSRT04 | Introduction in Matlab | 2 | G1X | 1 | E |
| TPTE06 | Industrial Placement | 6 | G1X | - | V |

Specialisation: Biotechnical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TFBI11 | Genetics and Evolution | 6 | G1X | 2 | С |
| Period 2 | | | | | |
| TFKE52 | Fundamentals of Chemistry | 6 | G1X | 1 | С |



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| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDE10 | Object Oriented Programming in Java | 6 | G2F | 1 | С |
| Period 2 | | | | | |
| TATA82 | Discrete Mathematics | 6 | G1F | 1 | С |

Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|-------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSEA22 | Switching Theory and Logical Design | 6 | G1N | 2 | С |
| Period 2 | | | | | |
| TSEA57 | Computer Hardware and Architecture | 6 | G1X | 4 | С |

Specialisation: Energy Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMMV04 | Engineering Thermodynamics | 6 | G1X | 2 | С |
| Period 2 | | | | | |
| TMES44 | Energy Systems - Supply and Demand | 6 | G2F | 1 | С |

Specialisation: Mechanical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPT07 | Manufacturing Technology | 6 | G2X | 2 | С |
| Period 2 | | | | | |
| TMKT14 | CAD and Machine Elements | 6 | G2X | 1 | С |

Semester 5 (Autumn 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE13 | Production and Operations Management | 6 | G2X | 1 | С |
| TDDE18 | Programming C++ | 6* | G2F | 2 | Е |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| TDDE22 | Data Structures and Algorithms | 6 | G2F | 3 | E |
| TEIO91 | Project Management | 6* | G2X | - | E |
| TFBI22 | Cell Biology and Microbial Processes | 6 | G1X | 3 | E |
| THEN18 | English | 6* | G1N | 4 | E |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |
| TMHL22 | Solid Mechanics | 6 | G2X | 3 | E |
| TMKM86 | Engineering Materials | 6* | G2X | 4 | E |
| TMMV11 | Fluid Mechanics and Heat Transfer | 6 | G2X | 2 | E |
| TMMV57 | Applied Energy Engineering | 6* | G2X | 3 | E |
| TSDT84 | Signals and Systems, and Transform Theory | 8* | G2X | 4 | E |
| TSEA52 | Switching Theory and Logical Design | 6* | G1X | 2 | Е |
| TSTE95 | Electronics | 4 | G1X | 3 | Е |
| Period 2 | | | | | |
| TEIO04 | Project Management | 6 | G2X | 2 | С |
| NBIB45 | Principles in Physiology and Ethics | 6 | G1F | 1 | E |
| TDDE18 | Programming C++ | 6* | G2F | 1 | Е |
| TDTS10 | Computer Architecture | 6 | G1F | 3 | Е |
| TEAE05 | Resource Theory | 6 | G1N | 1 | Е |
| TEIM03 | Intercultural Communication | 4 | G1X | 4 | E |
| TEIO91 | Project Management | 6* | G2X | - | Е |
| THEN18 | English | 6* | G1N | 4 | E |
| THFR05 | Communicative French | 6* | G1X | 4 | E |
| THSP05 | Spanish | 6* | G1X | 4 | E |
| THTY05 | German | 6* | G1X | 4 | E |
| TKMJ35 | Industrial Ecology | 6 | G2F | 3 | Е |
| TKMJ39 | Resource Efficient Products and Production | 6 | G2F | 1 | Е |
| TMKM86 | Engineering Materials | 6* | G2X | 4 | E |
| TMMI46 | Industrial Automation | 6 | G2F | 3 | Е |
| TMMV57 | Applied Energy Engineering | 6* | G2X | 3 | E |
| TSDT84 | Signals and Systems, and Transform Theory | 8* | G2X | 3 | Е |



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| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-------------------------------------|---------|-------|---------------------|-----|
| TSEA52 | Switching Theory and Logical Design | 6* | G1X | 4 | E |

Specialisation: Biotechnical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TFBI22 | Cell Biology and Microbial Processes | 6 | G1X | 3 | С |
| Period 2 | | | | | |
| NBIB45 | Principles in Physiology and Ethics | 6 | G1F | 1 | С |
| TKMJ35 | Industrial Ecology | 6 | G2F | 3 | E |

Specialisation: Computer Science and Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|-------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSEA52 | Switching Theory and Logical Design | 6* | G1X | 2 | С |
| TDDE22 | Data Structures and Algorithms | 6 | G2F | 3 | E |
| Period 2 | | | | | |
| TDTS10 | Computer Architecture | 6 | G1F | 3 | С |
| TSEA52 | Switching Theory and Logical Design | 6* | G1X | 4 | С |

Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDE18 | Programming C++ | 6* | G2F | 2 | С |
| TSDT84 | Signals and Systems, and Transform Theory | 8* | G2X | 4 | С |
| TSTE95 | Electronics | 4 | G1X | 3 | E |
| Period 2 | | | | | |
| TDDE18 | Programming C++ | 6* | G2F | 1 | С |
| TSDT84 | Signals and Systems, and Transform Theory | 8* | G2X | 3 | С |



Specialisation: Energy Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMMV11 | Fluid Mechanics and Heat Transfer | 6 | G2X | 2 | С |
| TMMV57 | Applied Energy Engineering | 6* | G2X | 3 | С |
| Period 2 | | | | | |
| TMMV57 | Applied Energy Engineering | 6* | G2X | 3 | С |
| TKMJ39 | Resource Efficient Products and Production | 6 | G2F | 1 | E |

Specialisation: Mechanical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-----------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMHL22 | Solid Mechanics | 6 | G2X | 3 | С |
| TMKM86 | Engineering Materials | 6* | G2X | 4 | С |
| Period 2 | | | | | |
| TMKM86 | Engineering Materials | 6* | G2X | 4 | С |
| TMMI46 | Industrial Automation | 6 | G2F | 3 | E |

Semester 6 (Spring 2019)



| Period 1 | Course code | Course name | Credits | Level | Timetable module | ECV |
|--|----------------|--|---------|-------|---------------------|-----|
| TDDD81 Database Technology 6* G2F 2 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFBI23 Ecology and the Environment 6 G1X 3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THY905 Spanish 6* G1X 4 E THY005 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMP532 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSB818 Embedded Perception Systems 6 G2X 1 E TSB818 Embedded Perception Systems 6 G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMSP32 Mechanical Engineering - Bachelor Project 18* G2X - E THSP05 Spanish 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THSP05 Spanish 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMSP32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMSP33 Mechanical Engineering - Bachelor Project 18* G2X 3 E | Period 1 | | | | | |
| TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB123 Ecology and the Environment 6 G1X 3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E TFYA89 Natural Sciences for Engineers - Principles and Applications THY080 Communicative French 6* G1X E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THSP05 German 6* G1X 4 E THSP05 Spanish 6* G1X 4 E | TEIM32 | Industrial Marketing | 6 | G2X | 4 | С |
| TFBI23 Ecology and the Environment 6 G1X 3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E TDDD81 Database Technology 6* G2X 2 E TPYA89 Natural Sciences for Engineers - Principles and Applications THER05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E THSP05 Spanish 6* G1X 4 E THSP05 Mechanical Engineering - Bachelor Project 18* G2X 3 E THSP05 Spanish 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E | TDDD81 | Database Technology | 6* | G2F | 2 | E |
| TFBI24 Biotechnology - Bachelor Project 18* G2E 2 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 2 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E TPDDB1 Database Technology 6* G2F 4 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X - E TMFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMMS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMMS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMSS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMSS33 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 18* G2X 3 E | TDDD83 | Computer Engineering - Bachelor Project | 18* | G2E | 1/3 | E |
| TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project TMPS32 Mechanical Engineering - Bachelor Project TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project TFYA89 Natural Sciences for Engineers - Principles and Applications TFYA89 Natural Sciences for Engineers - Principles and Applications THRO5 Communicative French 6* G1X 4 E E E E E E E E E E E E E | TFBI23 | Ecology and the Environment | 6 | G1X | 3 | Е |
| THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 1/3 E TFPA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E | TFBI24 | Biotechnology - Bachelor Project | 18* | G2E | 2 | Е |
| THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes 6 G2X 1 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSB818 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TF9A89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THF05 Communicative French 6* | TFYA89 | | 6* | G2X | - | E |
| THTY05 German 6* G1X 4 E TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 1/3 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G1X 4 E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 18* G2X 3 E | THFR05 | Communicative French | 6* | G1X | 4 | E |
| TMMV04 Engineering Thermodynamics 6 G1X 2 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X - E | THSP05 | Spanish | 6* | G1X | 4 | E |
| TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THFRO5 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 18* G2X - E | THTY05 | German | 6* | G1X | 4 | E |
| TMMV58 Modelling and Simulation of Energy and Heat Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFRO5 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TMMV04 | Engineering Thermodynamics | 6 | G1X | 2 | E |
| Transfer Processes Transfer Processes TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications THFRO5 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TMMV16 | Energy Engineering - Bachelor Project | 18* | G2X | 3 | E |
| TSBB18 Embedded Perception Systems 6 G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFB124 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TMMV58 | <u> </u> | 6 | G2X | 1 | E |
| TSEA56 Electronics Engineering - Bachelor Project 16* G2X 2 E Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G1X 4 E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TMPS32 | Mechanical Engineering - Bachelor Project | 18* | G2X | 3 | Е |
| Period 2 TDDD81 Database Technology 6* G2F 4 E TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TSBB18 | Embedded Perception Systems | 6 | G2X | 3 | Е |
| TDDD81Database Technology6*G2F4ETDDD83Computer Engineering - Bachelor Project18*G2E1/3ETFBI24Biotechnology - Bachelor Project18*G2E2/3/4ETFYA89Natural Sciences for Engineers - Principles and Applications6*G2X-ETHFR05Communicative French6*G1X4ETHSP05Spanish6*G1X4ETHTY05German6*G1X4ETMMV16Energy Engineering - Bachelor Project18*G2X3ETMPS32Mechanical Engineering - Bachelor Project18*G2X3ETSEA56Electronics Engineering - Bachelor Project16*G2X-E | TSEA56 | Electronics Engineering - Bachelor Project | 16* | G2X | 2 | Е |
| TDDD83 Computer Engineering - Bachelor Project 18* G2E 1/3 E TFBI24 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | Period 2 | | | | | |
| TFBI24 Biotechnology - Bachelor Project 18* G2E 2/3/4 E TFYA89 Natural Sciences for Engineers - Principles and Applications 6* G2X - E THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TDDD81 | Database Technology | 6* | G2F | 4 | E |
| TFYA89 Natural Sciences for Engineers - Principles and Applications THFR05 Communicative French THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project TMPS32 Mechanical Engineering - Bachelor Project TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TDDD83 | Computer Engineering - Bachelor Project | 18* | G2E | 1/3 | E |
| THFR05 Communicative French 6* G1X 4 E THSP05 Spanish 6* G1X 4 E THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TFBI24 | Biotechnology - Bachelor Project | 18* | G2E | 2/3/4 | E |
| THSP05Spanish6*G1X4ETHTY05German6*G1X4ETMMV16Energy Engineering - Bachelor Project18*G2X3ETMPS32Mechanical Engineering - Bachelor Project18*G2X3ETSEA56Electronics Engineering - Bachelor Project16*G2X-E | TFYA89 | | 6* | G2X | - | E |
| THTY05 German 6* G1X 4 E TMMV16 Energy Engineering - Bachelor Project 18* G2X 3 E TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | THFR05 | Communicative French | 6* | G1X | 4 | Е |
| TMMV16Energy Engineering - Bachelor Project18*G2X3ETMPS32Mechanical Engineering - Bachelor Project18*G2X3ETSEA56Electronics Engineering - Bachelor Project16*G2X-E | THSP05 | Spanish | 6* | G1X | 4 | Е |
| TMPS32 Mechanical Engineering - Bachelor Project 18* G2X 3 E TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | THTY05 | German | 6* | G1X | 4 | Е |
| TSEA56 Electronics Engineering - Bachelor Project 16* G2X - E | TMMV16 | Energy Engineering - Bachelor Project | 18* | G2X | 3 | E |
| | TMPS32 | Mechanical Engineering - Bachelor Project | 18* | G2X | 3 | E |
| TSKS10 Signals, Information and Communication 4 G2X 3 E | TSEA56 | Electronics Engineering - Bachelor Project | 16* | G2X | - | E |
| | TSKS10 | Signals, Information and Communication | 4 | G2X | 3 | E |



Specialisation: Biotechnical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|----------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TFBI23 | Ecology and the Environment | 6 | G1X | 3 | С |
| TFBI24 | Biotechnology - Bachelor Project | 18* | G2E | 2 | С |
| Period 2 | | | | | |
| TFBI24 | Biotechnology - Bachelor Project | 18* | G2E | 2/3/4 | С |

Specialisation: Computer Science and Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDD81 | Database Technology | 6* | G2F | 2 | С |
| TDDD83 | Computer Engineering - Bachelor Project | 18* | G2E | 1/3 | С |
| Period 2 | | | | | _ |
| TDDD81 | Database Technology | 6* | G2F | 4 | С |
| TDDD83 | Computer Engineering - Bachelor Project | 18* | G2E | 1/3 | С |

Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSBB18 | Embedded Perception Systems | 6 | G2X | 3 | С |
| TSEA56 | Electronics Engineering - Bachelor Project | 16* | G2X | 2 | С |
| Period 2 | | | | | |
| TSEA56 | Electronics Engineering - Bachelor Project | 16* | G2X | - | С |
| TSKS10 | Signals, Information and Communication | 4 | G2X | 3 | С |

Specialisation: Energy Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMMV16 | Energy Engineering - Bachelor Project | 18* | G2X | 3 | С |
| TMMV58 | Modelling and Simulation of Energy and Heat Transfer Processes | 6 | G2X | 1 | С |
| Period 2 | | | | | |
| TMMV16 | Energy Engineering - Bachelor Project | 18* | G2X | 3 | С |



Specialisation: Mechanical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMMV04 | Engineering Thermodynamics | 6 | G1X | 2 | С |
| TMPS32 | Mechanical Engineering - Bachelor Project | 18* | G2X | 3 | С |
| Period 2 | | | | | |
| TMPS32 | Mechanical Engineering - Bachelor Project | 18* | G2X | 3 | С |

Semester 7 (Autumn 2019)

| Period 1 TAMS32 Stochastic Processes 6 A1N 1 E TAMS46 Probability Theory, Second Course 6 A1N 3 E TANA21 Scientific Computing 6 G1F 3 E TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIE72 Corporate Strategies 6 A1N 2 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS37 Basics in Logistics Management 6 G2X 4 E | Course code | Course name | Credits | Level | Timetable module | ECV |
|--|----------------|---|---------|-------|---------------------|-----|
| TAMS46 Probability Theory, Second Course 6 A1N 3 E TANA21 Scientific Computing 6 G1F 3 E TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC38 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIC72 Project Based Organization and Management 6 A1X 4 E TEIC90 Innovation Management 6 A1N 2 E | Period 1 | | | | | |
| TANA21 Scientific Computing TAOP34 Large Scale Optimization ETATA34 Real Analysis, Honours Course FATA34 Real Analysis, Honours Course FATA34 Vector Analysis A G1F 1 ETATA38 Mathematical Models in Biology Artificial Intelligence G G2F 3 ETDDC17 Artificial Intelligence G G2F 3 ETDDC88 Software Engineering TDDC88 Software Engineering TDDD33 Design and Programming of Computer Games Advanced Programming in C++ TDDD38 Advanced Programming in C++ TDDD43 Advanced Data Models and Databases FTDDE18 Programming C++ TDE18 Programming C++ Enterprise Resource Planning Systems: Process and Implementation FTDE172 Strategy and Digitisation - Technology, Standards and Network Effects FTEIE72 Corporate Strategies G A1X 4 ETEIO07 Project Based Organization and Management G A1X 4 ETEIO90 Innovation Management G A1N 2 ETETS23 Purchasing G A1N 2 ETETS23 Purchasing G A1N 2 ETETS24 ETETS25 FTETS25 Purchasing G A1N 2 ETETS26 ETETS26 Purchasing G A1N 2 ETETS27 ETETS27 ETETS28 Purchasing G A1N 2 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS28 ETETS | TAMS32 | Stochastic Processes | 6 | A1N | 1 | Е |
| TAOP34 Large Scale Optimization 6 A1N 3 E TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC38 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIO7 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E | TAMS46 | Probability Theory, Second Course | 6 | A1N | 3 | E |
| TATA34 Real Analysis, Honours Course 6* G2F 4 E TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEICO7 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E | TANA21 | Scientific Computing | 6 | G1F | 3 | E |
| TATA44 Vector Analysis 4 G1F 1 E TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIC70 Project Based Organization and Management 6 A1X 4 E TEIC90 Innovation Management 6 A1N 2 E | TAOP34 | Large Scale Optimization | 6 | A1N | 3 | Е |
| TATM38 Mathematical Models in Biology 6 A1N 3 E TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIC72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E | TATA34 | Real Analysis, Honours Course | 6* | G2F | 4 | Е |
| TDDC17 Artificial Intelligence 6 G2F 3 E TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDEI72 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TATA44 | Vector Analysis | 4 | G1F | 1 | Е |
| TDDC88 Software Engineering 12* A1N 1 E TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TATM38 | Mathematical Models in Biology | 6 | A1N | 3 | Е |
| TDDD23 Design and Programming of Computer Games 6 A1N 2 E TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDEI13 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDEI72 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEI672 Corporate Strategies 6 A1X 4 E TEI007 Project Based Organization and Management 6 A1X 4 E TEI090 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDDC17 | Artificial Intelligence | 6 | G2F | 3 | E |
| TDDD38 Advanced Programming in C++ 6* A1N 2 E TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDE113 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDE172 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDDC88 | Software Engineering | 12* | A1N | 1 | E |
| TDDD43 Advanced Data Models and Databases 6* A1N 2 E TDDE18 Programming C++ 6* G2F 2 E TDEI13 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDEI72 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDDD23 | Design and Programming of Computer Games | 6 | A1N | 2 | E |
| TDDE18 Programming C++ Enterprise Resource Planning Systems: Process and Implementation Strategy and Digitisation - Technology, Standards and Network Effects FEIE72 Corporate Strategies TEIO07 Project Based Organization and Management Enterprise Resource Planning Systems: 6 A1X 2 E Enterprise Resource Planning Systems: 6 A1X 4 E Enterprise Resource Planning Systems: 6 A1X 2 E Enterprise Resource Planning Systems: 6 A1X 2 E | TDDD38 | Advanced Programming in C++ | 6* | A1N | 2 | E |
| TDEI13 Enterprise Resource Planning Systems: Process and Implementation 6 A1X 2 E TDEI72 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDDD43 | Advanced Data Models and Databases | 6* | A1N | 2 | E |
| TDEIT3 Process and Implementation 6 A1X 2 E TDEIT2 Strategy and Digitisation - Technology, Standards and Network Effects 6 A1X 4 E TEIET2 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDDE18 | Programming C++ | 6* | G2F | 2 | E |
| TEIE72 Corporate Strategies 6 A1X 4 E TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDEI13 | | 6 | A1X | 2 | E |
| TEIO07 Project Based Organization and Management 6 A1X 4 E TEIO90 Innovation Management 6 A1N 2 E TETS23 Purchasing 6 A1N 2 E | TDEI72 | | 6 | A1X | 4 | E |
| TEIO90Innovation Management6A1N2ETETS23Purchasing6A1N2E | TEIE72 | Corporate Strategies | 6 | A1X | 4 | Е |
| TETS23 Purchasing 6 A1N 2 E | TEIO07 | Project Based Organization and Management | 6 | A1X | 4 | E |
| | TEIO90 | Innovation Management | 6 | A1N | 2 | E |
| TETS37 Basics in Logistics Management 6 G2X 4 E | TETS23 | Purchasing | 6 | A1N | 2 | E |
| | TETS37 | Basics in Logistics Management | 6 | G2X | 4 | E |



| TKMJ14 Large Technical Systems and the Environment 6 A1X 4 E TKMJ31 Biofuels for Transportation 6 A1N 1 E TKMJ49 Environmentally Driven Business Development 6* A1N 3 E TMES09 Industrial Energy Systems 6 A1X 3 E TMES27 Modelling of Energy Systems 6 A1N 3 E TMKM16 Sustainable Material Selection 6 A1X 4 E TMKT80 Wood - Material 6 G2X 2 E TMPS33 Virtual Manufacturing 6 A1N 4 E TMPS35 Emerging Factory Technologies 6 A1N 3 E TMPT03 Production Engineering - Continuing Course 6 G2F 2 E TMQU03 Quality Management and Engineering 6 G2X 2 E TPPE16 Manufacturing Strategies 6 A1X 2 E TPPE17 Corporate Finance 6 G2X 4 E TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | CV |
|--|----------|
| TKMJ49 Environmentally Driven Business Development 6* A1N 3 ENTMESO9 Industrial Energy Systems 6 A1X 3 ENTMES27 Modelling of Energy Systems 6 A1N 3 ENTMKM16 Sustainable Material Selection 6 A1X 4 ENTMKM16 Sustainable Material Selection 6 A1X 4 ENTMKM180 Wood - Material 6 G2X 2 ENTMPS33 Virtual Manufacturing 6 A1N 4 ENTMPS35 Emerging Factory Technologies 6 A1N 3 ENTMPT03 Production Engineering - Continuing Course 6 G2F 2 ENTMQU03 Quality Management and Engineering 6 G2X 2 ENTMQU03 Quality Management and Engineering 6 G2X 2 ENTMQU03 Quality Management and Engineering 6 G2X 2 ENTMQU03 Corporate Finance 6 G2X 4 ENTMQU03 Corporate Finance 6 G2X 4 ENTMQU04 ENTMQU05 ENTMQU06 Multidimensional Signal Analysis 6* A1X 2 ENTMQU06 Multidimensional Signal Analysis 6* A1X 2 ENTMQU06 ENTMQU06 Multidimensional Signal Analysis 6* A1X 4 ENTMQU06 ENTMQU07 E | |
| TMESO9 Industrial Energy Systems 6 A1X 3 E TMES27 Modelling of Energy Systems 6 A1N 3 E TMKM16 Sustainable Material Selection 6 A1X 4 E TMKT80 Wood - Material 6 G2X 2 E TMPS33 Virtual Manufacturing 6 A1N 4 E TMPS35 Emerging Factory Technologies 6 A1N 3 E TMPT03 Production Engineering - Continuing Course 6 G2F 2 E TMQU03 Quality Management and Engineering 6 G2X 2 E TPPE16 Manufacturing Strategies 6 A1X 2 E TPPE17 Corporate Finance 6 G2X 4 E TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | <u> </u> |
| TMES27 Modelling of Energy Systems 6 A1N 3 E TMKM16 Sustainable Material Selection 6 A1X 4 E TMKT80 Wood - Material 6 G2X 2 E TMPS33 Virtual Manufacturing 6 A1N 4 E TMPS35 Emerging Factory Technologies 6 A1N 3 E TMPT03 Production Engineering - Continuing Course 6 G2F 2 E TMQU03 Quality Management and Engineering 6 G2X 2 E TPPE16 Manufacturing Strategies 6 A1X 2 E TPPE17 Corporate Finance 6 G2X 4 E TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | <u> </u> |
| TMKM16Sustainable Material Selection6A1X48TMKT80Wood - Material6G2X26TMPS33Virtual Manufacturing6A1N48TMPS35Emerging Factory Technologies6A1N38TMPT03Production Engineering - Continuing Course6G2F28TMQU03Quality Management and Engineering6G2X28TPPE16Manufacturing Strategies6A1X28TPPE17Corporate Finance6G2X48TSBB06Multidimensional Signal Analysis6*A1X28TSBB08Digital Image Processing6A1X48 | = |
| TMKT80Wood - Material6G2X28TMPS33Virtual Manufacturing6A1N48TMPS35Emerging Factory Technologies6A1N38TMPT03Production Engineering - Continuing Course6G2F28TMQU03Quality Management and Engineering6G2X28TPPE16Manufacturing Strategies6A1X28TPPE17Corporate Finance6G2X48TSBB06Multidimensional Signal Analysis6*A1X28TSBB08Digital Image Processing6A1X48 | Ε |
| TMPS33Virtual Manufacturing6A1N4BTMPS35Emerging Factory Technologies6A1N3BTMPT03Production Engineering - Continuing Course6G2F2BTMQU03Quality Management and Engineering6G2X2BTPPE16Manufacturing Strategies6A1X2BTPPE17Corporate Finance6G2X4BTSBB06Multidimensional Signal Analysis6*A1X2BTSBB08Digital Image Processing6A1X4B | Ξ |
| TMPS35Emerging Factory Technologies6A1N38TMPT03Production Engineering - Continuing Course6G2F28TMQU03Quality Management and Engineering6G2X28TPPE16Manufacturing Strategies6A1X28TPPE17Corporate Finance6G2X48TSBB06Multidimensional Signal Analysis6*A1X28TSBB08Digital Image Processing6A1X48 | Ξ |
| TMPT03 Production Engineering - Continuing Course 6 G2F 2 E TMQU03 Quality Management and Engineering 6 G2X 2 E TPPE16 Manufacturing Strategies 6 A1X 2 E TPPE17 Corporate Finance 6 G2X 4 E TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | Ξ |
| TMQU03Quality Management and Engineering6G2X2ETPPE16Manufacturing Strategies6A1X2ETPPE17Corporate Finance6G2X4ETSBB06Multidimensional Signal Analysis6*A1X2ETSBB08Digital Image Processing6A1X4E | <u> </u> |
| TPPE16Manufacturing Strategies6A1X2BTPPE17Corporate Finance6G2X4BTSBB06Multidimensional Signal Analysis6*A1X2BTSBB08Digital Image Processing6A1X4B | |
| TPPE17 Corporate Finance 6 G2X 4 E TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | |
| TSBB06 Multidimensional Signal Analysis 6* A1X 2 E TSBB08 Digital Image Processing 6 A1X 4 E | <u> </u> |
| TSBB08 Digital Image Processing 6 A1X 4 E | <u> </u> |
| | = |
| | <u> </u> |
| TSDT14 Signal Theory 6 A1X 1 | = |
| TSKS01 Digital Communication 6* A1X 4 | |
| TSKS15 Detection and Estimation of Signals 6 A1X 2 E | |
| TSRT62 Modelling and Simulation 6 A1X 3 B | <u> </u> |
| Period 2 | |
| NBID31 Modelling of Biological Systems 6 A1X 3/4 E | = |
| TAOP04 Mathematical Optimization 6 A1N 4 E | = |
| TATA34 Real Analysis, Honours Course 6* G2F 4 E | |
| TATA45 Complex Analysis 6 G2F 1 E | = |
| TDDC88 Software Engineering 12* A1N 1 | Ē., |
| TDDD07 Real Time Systems 6 A1N 4 B | = |
| TDDD38 Advanced Programming in C++ 6* A1N - E | |
| TDDD43 Advanced Data Models and Databases 6* A1N 2 E | : |
| TDDE01 Machine Learning 6 A1N 1 B | = |
| TDDE18 Programming C++ 6* G2F 1 E | |
| TDEI19 Management Control 6 A1X 2 E | |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| TDEI21 | Strategic Organisational Application of IT - Workflow and Knowledge Management | 6 | A1X | 4 | E |
| TEIE42 | Industrial Sales Management | 6 | A1X | 4 | Е |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | Е |
| TETS27 | Supply Chain Logistics | 6 | A1X | 2 | Е |
| TFBI17 | Advanced Project Course in Ecosystem Service Valuation | 6 | A1X | - | E |
| TFYA96 | The physics behind technology | 6 | G2X | 4 | E |
| TKMJ35 | Industrial Ecology | 6 | G2F | 3 | Е |
| TKMJ49 | Environmentally Driven Business Development | 6* | A1N | 3 | E |
| TMES45 | Energy Planning and Modelling of Communities | 6 | A1F | 4 | E |
| TMHL63 | Introduction to Computational Mechanics | 6 | G2X | 3 | E |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | Е |
| ТМКМ90 | Engineering Materials - Deformation and Fracture | 6 | A1X | 2 | E |
| TMKT71 | Affective Engineering | 6 | A1X | 2 | E |
| TMKT81 | Wood - Realisation | 6 | G2X | 1 | E |
| TMKU02 | Wood - Realisation | 6 | G2X | 1 | E |
| TMMV18 | Fluid Mechanics | 6 | A1X | 2 | Е |
| TMPS22 | Assembly Technology | 6 | A1N | 3 | Е |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |
| TPPE29 | Financial Markets and Instruments | 6 | A1X | 2 | E |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | E |
| TSBB06 | Multidimensional Signal Analysis | 6* | A1X | 3 | E |
| TSBB09 | Image Sensors | 6 | A1X | 4 | E |
| TSEA81 | Computer Engineering and Real-time Systems | 6 | A1X | 4 | E |
| TSIT02 | Computer Security | 6 | G2F | 2 | E |
| TSKS01 | Digital Communication | 6* | A1X | 4 | Е |
| TSKS11 | Networks: Models, Algorithms and Applications | 6 | G2X | 3 | E |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |



Specialisation: Biotechnical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TATM38 | Mathematical Models in Biology | 6 | A1N | 3 | Е |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | Е |
| Period 2 | | | | | |
| NBID31 | Modelling of Biological Systems | 6 | A1X | 3/4 | С |
| TFBI17 | Advanced Project Course in Ecosystem Service Valuation | 6 | A1X | - | E |
| TKMJ35 | Industrial Ecology | 6 | G2F | 3 | E |

Specialisation: Computer Science and Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDC88 | Software Engineering | 12* | A1N | 1 | С |
| TDDC17 | Artificial Intelligence | 6 | G2F | 3 | E |
| TDDD23 | Design and Programming of Computer Games | 6 | A1N | 2 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | 2 | E |
| TDDE18 | Programming C++ | 6* | G2F | 2 | E |
| Period 2 | | | | | |
| TDDC88 | Software Engineering | 12* | A1N | 1 | С |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | - | E |
| TDDE01 | Machine Learning | 6 | A1N | 1 | E |
| TDDE18 | Programming C++ | 6* | G2F | 1 | Е |
| TSIT02 | Computer Security | 6 | G2F | 2 | E |
| TSKS11 | Networks: Models, Algorithms and Applications | 6 | G2X | 3 | E |



Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSBB06 | Multidimensional Signal Analysis | 6* | A1X | 2 | Е |
| TSBB08 | Digital Image Processing | 6 | A1X | 4 | E |
| TSDT14 | Signal Theory | 6 | A1X | 1 | E |
| TSKS01 | Digital Communication | 6* | A1X | 4 | Е |
| TSKS15 | Detection and Estimation of Signals | 6 | A1X | 2 | E |
| TSRT62 | Modelling and Simulation | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TSBB06 | Multidimensional Signal Analysis | 6* | A1X | 3 | E |
| TSBB09 | Image Sensors | 6 | A1X | 4 | E |
| TSEA81 | Computer Engineering and Real-time Systems | 6 | A1X | 4 | E |
| TSIT02 | Computer Security | 6 | G2F | 2 | E |
| TSKS01 | Digital Communication | 6* | A1X | 4 | E |
| TSKS11 | Networks: Models, Algorithms and Applications | 6 | G2X | 3 | E |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |

$Specialisation: Energy\ Engineering\ Specialization$

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TKMJ14 | Large Technical Systems and the Environment | 6 | A1X | 4 | Е |
| TMES09 | Industrial Energy Systems | 6 | A1X | 3 | Е |
| TMES27 | Modelling of Energy Systems | 6 | A1N | 3 | E |
| Period 2 | | | | | |
| TMES45 | Energy Planning and Modelling of Communities | 6 | A1F | 4 | E |
| TMMV18 | Fluid Mechanics | 6 | A1X | 2 | Е |



Specialisation: Master Profile Automatic Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSDT14 | Signal Theory | 6 | A1X | 1 | С |
| TSRT62 | Modelling and Simulation | 6 | A1X | 3 | С |
| Period 2 | | | | | |
| TSEA81 | Computer Engineering and Real-time Systems | 6 | A1X | 4 | Е |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |

Specialisation: Master Profile Computer Science and Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|----------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDC88 | Software Engineering | 12* | A1N | 1 | С |
| Period 2 | | | | | |
| TDDC88 | Software Engineering | 12* | A1N | 1 | С |

Specialisation: Master Profile Digitisation and Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDEI72 | Strategy and Digitisation - Technology, Standards and Network Effects | 6 | A1X | 4 | С |
| TDEI13 | Enterprise Resource Planning Systems: Process and Implementation | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TDEI21 | Strategic Organisational Application of IT - Workflow and Knowledge Management | 6 | A1X | 4 | С |
| TDEI19 | Management Control | 6 | A1X | 2 | E |



Specialisation: Master Profile Energy Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-----------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMES09 | Industrial Energy Systems | 6 | A1X | 3 | Е |
| TMES27 | Modelling of Energy Systems | 6 | A1N | 3 | E |
| Period 2 | | | | | |
| TMMV18 | Fluid Mechanics | 6 | A1X | 2 | Е |

Specialisation: Master Profile Finance

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-----------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE17 | Corporate Finance | 6 | G2X | 4 | Е |
| Period 2 | | | | | |
| TPPE29 | Financial Markets and Instruments | 6 | A1X | 2 | С |

Specialisation: Master Profile Industrial Marketing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIE72 | Corporate Strategies | 6 | A1X | 4 | E |
| Period 2 | | | | | |
| TEIE42 | Industrial Sales Management | 6 | A1X | 4 | C/E |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | C/E |

Specialisation: Master Profile Logistics Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TETS37 | Basics in Logistics Management | 6 | G2X | 4 | С |
| TETS23 | Purchasing | 6 | A1N | 2 | E |
| Period 2 | | | | | |
| TETS27 | Supply Chain Logistics | 6 | A1X | 2 | C/E |



Specialisation: Master Profile Manufacturing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPS33 | Virtual Manufacturing | 6 | A1N | 4 | E |
| TMPS35 | Emerging Factory Technologies | 6 | A1N | 3 | E |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2F | 2 | Е |
| Period 2 | | | | | |
| TMPS22 | Assembly Technology | 6 | A1N | 3 | С |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | E |

Specialisation: Master Profile Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TPPE76 | Operations Planning and Control | 6 | A1X | 4 | Е |

Specialisation: Master Profile Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|----------------------------|---------|-------|---------------------|-----|
| Period 2 | | | | | |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | E |

Specialisation: Master Profile Project, Innovation and Entrepreneurship

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIO90 | Innovation Management | 6 | A1N | 2 | С |
| TEIO07 | Project Based Organization and Management | 6 | A1X | 4 | E |
| TKMJ49 | Environmentally Driven Business Development | 6* | A1N | 3 | Е |
| Period 2 | | | | | |
| TKMJ49 | Environmentally Driven Business Development | 6* | A1N | 3 | E |



Specialisation: Master Profile Quality Technology and Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMQU03 | Quality Management and Engineering | 6 | G2X | 2 | С |
| Period 2 | | | | | |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |

Specialisation: Master Profile Signal and Image Processing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|----------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSBB08 | Digital Image Processing | 6 | A1X | 4 | С |
| TSDT14 | Signal Theory | 6 | A1X | 1 | С |
| TSBB06 | Multidimensional Signal Analysis | 6* | A1X | 2 | Е |
| Period 2 | | | | | |
| TSBB06 | Multidimensional Signal Analysis | 6* | A1X | 3 | E |
| TSBB09 | Image Sensors | 6 | A1X | 4 | Е |
| TSRT78 | Digital Signal Processing | 6 | A1X | 2 | E |

Specialisation: Master Profile Strategic Management and Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIE72 | Corporate Strategies | 6 | A1X | 4 | С |
| TEIO90 | Innovation Management | 6 | A1N | 2 | E |
| TKMJ49 | Environmentally Driven Business Development | 6* | A1N | 3 | E |
| TPPE16 | Manufacturing Strategies | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TDEI19 | Management Control | 6 | A1X | 2 | С |
| TDEI21 | Strategic Organisational Application of IT - Workflow and Knowledge Management | 6 | A1X | 4 | E |
| TEIE42 | Industrial Sales Management | 6 | A1X | 4 | Е |
| TKMJ49 | Environmentally Driven Business Development | 6* | A1N | 3 | E |



Specialisation: Master Profile Telecommunication

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|-------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSDT14 | Signal Theory | 6 | A1X | 1 | С |
| TSKS01 | Digital Communication | 6* | A1X | 4 | С |
| TSKS15 | Detection and Estimation of Signals | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TSKS01 | Digital Communication | 6* | A1X | 4 | С |

Specialisation: Master Profile Wood Technology

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMKT80 | Wood - Material | 6 | G2X | 2 | С |
| TMKM16 | Sustainable Material Selection | 6 | A1X | 4 | Е |
| Period 2 | | | | | |
| TMKT81 | Wood - Realisation | 6 | G2X | 1 | С |
| TMKU02 | Wood - Realisation | 6 | G2X | 1 | С |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TANA21 | Scientific Computing | 6 | G1F | 3 | E |
| TMKM16 | Sustainable Material Selection | 6 | A1X | 4 | Е |
| TMKT80 | Wood - Material | 6 | G2X | 2 | E |
| TMPS33 | Virtual Manufacturing | 6 | A1N | 4 | Е |
| TMPS35 | Emerging Factory Technologies | 6 | A1N | 3 | E |
| TMPT03 | Production Engineering - Continuing Course | 6 | G2F | 2 | E |
| Period 2 | | | | | |
| TMHP03 | Engineering Systems Design | 6 | A1X | 4 | E |
| ТМКМ90 | Engineering Materials - Deformation and Fracture | 6 | A1X | 2 | E |
| TMKT71 | Affective Engineering | 6 | A1X | 2 | E |
| TMKT81 | Wood - Realisation | 6 | G2X | 1 | E |
| TMKU02 | Wood - Realisation | 6 | G2X | 1 | Е |
| TMPS22 | Assembly Technology | 6 | A1N | 3 | E |
| TMPS31 | Sustainable Manufacturing | 6 | A1X | 1 | Е |

Semester 8 (Spring 2020)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIE06 | Corporate Planning | 6* | A1X | - | С |
| NBIC50 | Ecotoxicology and Environmental Monitoring | 6 | G2X | 1 | E |
| TAMS29 | Stochastic Processes Applied to Financial Models | 6 | A1F | 3 | E |
| TATA53 | Linear Algebra, Honours Course | 6* | G2F | - | E |
| TBMI26 | Neural Networks and Learning Systems | 6 | A1N | 2 | E |
| TDDB68 | Concurrent Programming and Operating Systems | 6 | G2X | 3 | E |
| TDDD17 | Information Security, Second Course | 6* | A1X | 4 | E |
| TDDD20 | Design and Analysis of Algorithms | 6 | A1N | 3 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | 2 | E |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| TDDD41 | Data Mining - Clustering and Association Analysis | 6 | A1N | 3 | E |
| TDDD51 | Service Design and Innovation | 6 | A1X | 4 | E |
| TDDD57 | Physical Interaction and Game Programming | 6 | A1N | 1 | E |
| TDDD75 | Effect-Driven Development and Human- Centered Design of Interactive Systems | 6 | G2X | 3 | E |
| TDDD97 | Web Programming | 6 | G2F | 3 | E |
| TDDE46 | Software Quality | 6* | A1N | 2 | E |
| TDEI71 | Digitisation, Business Ecologies and Business Models | 6 | A1N | 4 | E |
| TDTS04 | Computer Networks and Distributed Systems | 8 | G2F | 2 | E |
| TEIE88 | Computer Law | 4 | G1X | 1 | E |
| TEIM09 | International Business | 6 | A1X | 2 | E |
| TEIO13 | Leadership and Organizational Change | 6 | A1X | 4 | E |
| TETS57 | Logistics Analysis | 6 | A1X | 2 | E |
| TFYA45 | Biotechnology Project | 6* | A1X | - | E |
| TFYA62 | Introduction to Biosensor Technology | 6 | G2X | 4 | E |
| TFYA85 | Alternative Energy Sources and their Applications | 6 | G2X | 4 | E |
| TGTU91 | Oral and Written Communication | 6 | G1F | 2 | E |
| TGTU94 | Technology and Ethics | 6 | G1F | 1 | E |
| TKMJ10 | Industrial Ecology | 6 | A1X | 1 | E |
| TKMJ47 | Environmental Systems Analysis | 6* | A1N | 3 | E |
| TMES17 | Building Energy Systems | 6 | A1N | 3 | E |
| TMES43 | Analysis and Modelling of Industrial Energy Systems | 6 | A1F | 1 | Е |
| TMKA04 | Wood - Innovation | 6 | A1X | 1 | E |
| TMKT48 | Design Optimization | 6 | A1X | 3 | E |
| TMKT74 | Advanced CAD | 6 | A1X | 4 | E |
| TMMS21 | Mechatronics | 6 | G2X | 1 | E |
| TMPS42 | Production System Automation | 6 | A1X | 1 | E |
| TMQU31 | Statistical Quality Control | 6 | A1X | 2 | E |
| TPPE32 | Financial Risk Management | 6 | A1X | 2 | E |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| TPPE78 | Quantitative Models and Analysis in Operations Management | 6 | A1X | 1 | E |
| TSBK07 | Computer Graphics | 6* | A1X | 4 | E |
| TSBK08 | Data Compression | 6 | A1N | 2 | E |
| TSKS13 | Wireless Communications | 6 | A1F | 4 | E |
| TSRT07 | Industrial Control Systems | 6 | A1N | 2 | E |
| TSRT09 | Control Theory | 6 | A1N | 3 | E |
| TSTE08 | Analog and Discrete-Time Integrated Circuits | 6 | A1X | 3 | E |
| TVCB11 | Cellbiological Methodology | 6 | G2X | 1/4 | E |
| Period 2 | | | | | |
| TEIE06 | Corporate Planning | 6* | A1X | - | С |
| TATA53 | Linear Algebra, Honours Course | 6* | G2F | - | E |
| TDDC78 | Programming of Parallel Computers - Methods and Tools | 6 | A1X | 3 | E |
| TDDD17 | Information Security, Second Course | 6* | A1X | 4 | E |
| TDDD27 | Advanced Web Programming | 6 | A1N | 3 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | - | E |
| TDDE07 | Bayesian Learning | 6 | A1F | 2 | E |
| TDDE31 | Big Data Analytics | 6 | A1F | 3 | E |
| TDDE41 | Software Architectures | 6 | A1N | 1 | E |
| TDDE46 | Software Quality | 6* | A1N | 2 | E |
| TDEI35 | Strategy and Management Control | 6 | A1X | 2 | E |
| TEAE13 | Civil and Commercial Law | 6 | G1X | 2 | E |
| TEIM07 | Industrial Market Research | 6 | A1X | 2 | E |
| TEIO06 | Innovative Entrepreneurship | 6 | A1X | 2 | E |
| TEIO41 | Corporate Social Responsibility | 6 | A1X | 3 | E |
| TETS36 | Sustainable Logistics Systems | 6 | A1X | 4 | E |
| TETS56 | Logistics and Quality in Health Care | 6 | A1X | 2 | E |
| TFYA45 | Biotechnology Project | 6* | A1X | - | E |
| TGTU95 | Philosophy of Science and Technology | 6 | G1F | 4 | E |
| TKMJ47 | Environmental Systems Analysis | 6* | A1N | 2 | E |
| TMES21 | Industrial Energy Systems | 6 | A1F | 3 | E |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| TMES41 | Strategic Development of Sustainable Energy Systems | 6 | A1F | 2 | E |
| TMKT57 | Product Modelling | 6 | A1X | 3 | Е |
| TMKT77 | System Safety | 6 | A1X | 4 | Е |
| TMKT83 | Small Scale Renewable Energy Conversion | 6 | A1X | 4 | Е |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | Е |
| TMPS27 | Production Systems | 6 | A1X | 3 | Е |
| TMQU04 | Six Sigma Quality | 6 | A1X | 2 | Е |
| TMQU13 | Customer Focused Product and Service Development | 6 | A1N | 4 | E |
| TPPE33 | Portfolio Management | 6 | A1X | 2 | E |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1F | 4 | E |
| TSBK02 | Image and Audio Coding | 6 | A1X | 4 | Е |
| TSBK07 | Computer Graphics | 6* | A1X | 1 | Е |
| TSFS06 | Diagnosis and Supervision | 6 | A1N | 1 | E |
| TSKS14 | Multiple Antenna Communications | 6 | A1F | 3 | Е |
| TSKS16 | Signal Processing for Communications | 6 | A1N | 1 | E |
| TSRT14 | Sensor Fusion | 6 | A1N | 2 | E |

Specialisation: Biotechnical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| NBIC50 | Ecotoxicology and Environmental Monitoring | 6 | G2X | 1 | E |
| TFYA45 | Biotechnology Project | 6* | A1X | - | Е |
| TFYA85 | Alternative Energy Sources and their Applications | 6 | G2X | 4 | E |
| TKMJ47 | Environmental Systems Analysis | 6* | A1N | 3 | Е |
| Period 2 | | | | | |
| TFYA45 | Biotechnology Project | 6* | A1X | - | E |
| TKMJ47 | Environmental Systems Analysis | 6* | A1N | 2 | E |



Specialisation: Computer Science and Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TBMI26 | Neural Networks and Learning Systems | 6 | A1N | 2 | E |
| TDDB68 | Concurrent Programming and Operating Systems | 6 | G2X | 3 | E |
| TDDD17 | Information Security, Second Course | 6* | A1X | 4 | E |
| TDDD20 | Design and Analysis of Algorithms | 6 | A1N | 3 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | 2 | E |
| TDDD41 | Data Mining - Clustering and Association Analysis | 6 | A1N | 3 | E |
| TDDD75 | Effect-Driven Development and Human- Centered Design of Interactive Systems | 6 | G2X | 3 | E |
| TDTS04 | Computer Networks and Distributed Systems | 8 | G2F | 2 | E |
| Period 2 | | | | | |
| TDDD17 | Information Security, Second Course | 6* | A1X | 4 | E |
| TDDD27 | Advanced Web Programming | 6 | A1N | 3 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1N | - | E |
| TDDE07 | Bayesian Learning | 6 | A1F | 2 | E |
| TDDE31 | Big Data Analytics | 6 | A1F | 3 | E |
| TDDE41 | Software Architectures | 6 | A1N | 1 | E |



Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TBMI26 | Neural Networks and Learning Systems | 6 | A1N | 2 | E |
| TSBK07 | Computer Graphics | 6* | A1X | 4 | E |
| TSBK08 | Data Compression | 6 | A1N | 2 | E |
| TSKS13 | Wireless Communications | 6 | A1F | 4 | E |
| TSRT07 | Industrial Control Systems | 6 | A1N | 2 | E |
| TSRT09 | Control Theory | 6 | A1N | 3 | E |
| Period 2 | | | | | |
| TSBK02 | Image and Audio Coding | 6 | A1X | 4 | E |
| TSBK07 | Computer Graphics | 6* | A1X | 1 | Е |
| TSFS06 | Diagnosis and Supervision | 6 | A1N | 1 | E |
| TSKS14 | Multiple Antenna Communications | 6 | A1F | 3 | E |
| TSKS16 | Signal Processing for Communications | 6 | A1N | 1 | E |
| TSRT14 | Sensor Fusion | 6 | A1N | 2 | E |

$Specialisation: Energy\ Engineering\ Specialization$

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TKMJ10 | Industrial Ecology | 6 | A1X | 1 | Е |
| TMES17 | Building Energy Systems | 6 | A1N | 3 | E |
| TMES43 | Analysis and Modelling of Industrial Energy Systems | 6 | A1F | 1 | E |
| Period 2 | | | | | |
| TMES21 | Industrial Energy Systems | 6 | A1F | 3 | Е |
| TMES41 | Strategic Development of Sustainable Energy Systems | 6 | A1F | 2 | E |
| TMKT83 | Small Scale Renewable Energy Conversion | 6 | A1X | 4 | Е |



Specialisation: Master Profile Automatic Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|----------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSRT07 | Industrial Control Systems | 6 | A1N | 2 | E |
| TSRT09 | Control Theory | 6 | A1N | 3 | E |
| Period 2 | | | | | |
| TSFS06 | Diagnosis and Supervision | 6 | A1N | 1 | E |
| TSRT14 | Sensor Fusion | 6 | A1N | 2 | E |

Specialisation: Master Profile Computer Science and Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|------------------------|---------|-------|---------------------|-----|
| Period 2 | | | | | |
| TDDE41 | Software Architectures | 6 | A1N | 1 | С |

Specialisation: Master Profile Digitisation and Management

| Course code | Course name | Credits | Level | Timetable module | ECV | | |
|-------------|---|---------|-------|---------------------|-----|--|--|
| Period 1 | | | | | | | |
| TDEI71 | Digitisation, Business Ecologies and Business Models | 6 | A1N | 4 | С | | |
| Period 2 | Period 2 | | | | | | |
| TDEI35 | Strategy and Management Control | 6 | A1X | 2 | С | | |

Specialisation: Master Profile Energy Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMES17 | Building Energy Systems | 6 | A1N | 3 | E |
| TMES43 | Analysis and Modelling of Industrial Energy Systems | 6 | A1F | 1 | E |
| Period 2 | | | | | |
| TMES21 | Industrial Energy Systems | 6 | A1F | 3 | E |
| TMKT83 | Small Scale Renewable Energy Conversion | 6 | A1X | 4 | E |



Specialisation: Master Profile Finance

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE32 | Financial Risk Management | 6 | A1X | 2 | С |
| Period 2 | | | | | |
| TPPE33 | Portfolio Management | 6 | A1X | 2 | E |

Specialisation: Master Profile Industrial Marketing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|----------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIM09 | International Business | 6 | A1X | 2 | C/E |
| Period 2 | | | | | |
| TEIM07 | Industrial Market Research | 6 | A1X | 2 | С |

Specialisation: Master Profile Logistics Management

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

Specialisation: Master Profile Manufacturing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPS42 | Production System Automation | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMPS27 | Production Systems | 6 | A1X | 3 | С |



Specialisation: Master Profile Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE78 | Quantitative Models and Analysis in Operations Management | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TPPE74 | Design and Development of Manufacturing Operations | 6 | A1F | 4 | С |

Specialisation: Master Profile Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMKT48 | Design Optimization | 6 | A1X | 3 | С |
| Period 2 | | | | | |
| TMKT57 | Product Modelling | 6 | A1X | 3 | С |

Specialisation: Master Profile Project, Innovation and Entrepreneurship

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIO13 | Leadership and Organizational Change | 6 | A1X | 4 | Е |
| Period 2 | | | | | |
| TEIO06 | Innovative Entrepreneurship | 6 | A1X | 2 | Е |
| TEIO41 | Corporate Social Responsibility | 6 | A1X | 3 | E |

Specialisation: Master Profile Quality Technology and Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TMQU31 | Statistical Quality Control | 6 | A1X | 2 | E |
| Period 2 | | | | | |
| TMQU04 | Six Sigma Quality | 6 | A1X | 2 | C/E |
| TMQU13 | Customer Focused Product and Service Development | 6 | A1N | 4 | C/E |
| TETS56 | Logistics and Quality in Health Care | 6 | A1X | 2 | Е |



Specialisation: Master Profile Signal and Image Processing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TBMI26 | Neural Networks and Learning Systems | 6 | A1N | 2 | E |
| TSBK07 | Computer Graphics | 6* | A1X | 4 | E |
| Period 2 | | | | | |
| TSBK02 | Image and Audio Coding | 6 | A1X | 4 | E |
| TSBK07 | Computer Graphics | 6* | A1X | 1 | Е |

Specialisation: Master Profile Strategic Management and Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIM09 | International Business | 6 | A1X | 2 | E |
| TEIO13 | Leadership and Organizational Change | 6 | A1X | 4 | E |
| Period 2 | | | | | |
| TEIM07 | Industrial Market Research | 6 | A1X | 2 | E |
| TETS36 | Sustainable Logistics Systems | 6 | A1X | 4 | E |

Specialisation: Master Profile Telecommunication

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSBK08 | Data Compression | 6 | A1N | 2 | E |
| TSKS13 | Wireless Communications | 6 | A1F | 4 | E |
| Period 2 | | | | | |
| TSBK02 | Image and Audio Coding | 6 | A1X | 4 | E |
| TSKS14 | Multiple Antenna Communications | 6 | A1F | 3 | E |



Specialisation: Master Profile Wood Technology

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMKA04 | Wood - Innovation | 6 | A1X | 1 | С |
| Period 2 | | | | | |
| TMKT57 | Product Modelling | 6 | A1X | 3 | Е |
| TMPS27 | Production Systems | 6 | A1X | 3 | E |

Specialisation: Mechanical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMKA04 | Wood - Innovation | 6 | A1X | 1 | Е |
| TMKT48 | Design Optimization | 6 | A1X | 3 | E |
| TMKT74 | Advanced CAD | 6 | A1X | 4 | E |
| TMMS21 | Mechatronics | 6 | G2X | 1 | E |
| TMPS42 | Production System Automation | 6 | A1X | 1 | E |
| Period 2 | | | | | |
| TMKT57 | Product Modelling | 6 | A1X | 3 | E |
| TMKT77 | System Safety | 6 | A1X | 4 | Е |
| TMME11 | Road Vehicle Dynamics | 6 | A1X | 1 | E |
| TMPS27 | Production Systems | 6 | A1X | 3 | E |

Semester 9 (Autumn 2020)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TAMS39 | Multivariate Statistical Methods | 6 | A1N | 4 | E |
| TATM38 | Mathematical Models in Biology | 6 | A1N | 3 | E |
| TDDC34 | Technical, Economic and Societal Evaluation of IT-products | 6 | A1X | 3 | E |
| TDDD04 | Software Testing | 6 | A1N | 2 | E |
| TDDE15 | Advanced Machine Learning | 6 | A1F | 1 | E |
| TDDE45 | Software Design and Construction | 6 | A1N | 4 | E |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| TDEI72 | Strategy and Digitisation - Technology, Standards and Network Effects | 6 | A1X | 4 | E |
| TEAE12 | Strategic Analysis and Methods for Strategic Change | 12* | A1F | 2 | E |
| TEIM04 | Industrial Market and Technology Strategies | 12* | A1X | 2 | E |
| TEIO89 | Innovation and Entrepreneurship - Project Course | 12* | A1X | 4 | E |
| TETS38 | Logistics Project | 12* | A1X | 4 | E |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | E |
| TMKT79 | Collaborative Multidisciplinary Design Optimization | 6 | A1X | 2 | E |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | E |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | E |
| TMQU27 | Quality Management - Project Course | 12* | A1X | 2 | E |
| TMQU47 | Quality Engineering and Design | 6 | A1X | 4 | E |
| TPPE53 | Financial Valuation Methodology | 6 | A1X | 2 | Е |
| TPPE66 | Investment Valuation | 6* | A1X | 4 | E |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | E |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| TSFS12 | Autonomous Vehicles - Planning, Control, and Learning Systems | 6 | A1X | 1 | E |
| TSIT03 | Cryptology | 6 | A1X | 2 | E |
| TSKS12 | Modern Channel Coding, Inference and Learning | 6 | A1N | 1 | E |
| Period 2 | | | | | |
| TAOP18 | Supply Chain Optimization | 6 | A1F | 1 | E |
| TDDB44 | Compiler Construction | 6 | A1X | 1 | Е |
| TDDC90 | Software Security | 6 | A1N | 1 | E |
| TDDD89 | Scientific Method | 6 | A1F | 3 | E |
| TEAE12 | Strategic Analysis and Methods for Strategic Change | 12* | A1F | 2 | Е |
| TEAE18 | Sustainable Value Chain Strategies | 6 | A1X | 4 | E |
| TEIM04 | Industrial Market and Technology Strategies | 12* | A1X | 2 | E |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | E |
| | | | | | _ |



| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| TEIO89 | Innovation and Entrepreneurship - Project Course | 12* | A1X | 4 | E |
| TETS31 | Logistics Strategies | 6 | A1X | 4 | E |
| TETS38 | Logistics Project | 12* | A1X | 2 | E |
| TFBI17 | Advanced Project Course in Ecosystem Service Valuation | 6 | A1X | - | E |
| TKMJ32 | Integrated Product Service Engineering | 6 | A1N | 3 | E |
| TMES51 | International Energy Markets | 6 | A1N | 1 | E |
| TMKA03 | Industrial Design | 6 | G2X | 1 | E |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | E |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | E |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |
| TMQU27 | Quality Management - Project Course | 12* | A1X | 4 | Е |
| TPPE61 | Financial Optimization | 6 | A1X | 2 | E |
| TPPE66 | Investment Valuation | 6* | A1X | 4 | E |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | E |
| TSRT08 | Optimal Control | 6 | A1X | 3 | E |

$Specialisation: Biotechnical \ Engineering \ Specialization$

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TATM38 | Mathematical Models in Biology | 6 | A1N | 3 | E |
| Period 2 | | | | | |
| TFBI17 | Advanced Project Course in Ecosystem Service Valuation | 6 | A1X | - | E |



Specialisation: Computer Science and Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDD04 | Software Testing | 6 | A1N | 2 | Е |
| TDDE15 | Advanced Machine Learning | 6 | A1F | 1 | Е |
| TDDE45 | Software Design and Construction | 6 | A1N | 4 | Е |
| TSFS12 | Autonomous Vehicles - Planning, Control, and Learning Systems | 6 | A1X | 1 | E |
| TSIT03 | Cryptology | 6 | A1X | 2 | E |

Specialisation: Electrical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TSFS12 | Autonomous Vehicles - Planning, Control, and Learning Systems | 6 | A1X | 1 | E |
| TSIT03 | Cryptology | 6 | A1X | 2 | E |
| TSKS12 | Modern Channel Coding, Inference and Learning | 6 | A1N | 1 | E |
| Period 2 | | | | | |
| TSRT08 | Optimal Control | 6 | A1X | 3 | E |

Specialisation: Energy Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | E |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | E |
| Period 2 | | | | | |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | Е |

Specialisation: Master Profile Automatic Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|-----------------|---------|-------|---------------------|-----|
| Period 2 | | | | | |
| TSRT08 | Optimal Control | 6 | A1X | 3 | E |



Specialisation: Master Profile Computer Science and Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|----------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDD04 | Software Testing | 6 | A1N | 2 | С |
| TDDE45 | Software Design and Construction | 6 | A1N | 4 | С |
| Period 2 | | | | | |
| TDDD89 | Scientific Method | 6 | A1F | 3 | С |

Specialisation: Master Profile Digitisation and Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TDDC34 | Technical, Economic and Societal Evaluation of IT-products | 6 | A1X | 3 | E |

Specialisation: Master Profile Energy Engineering

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|------------------|-----|
| Period 1 | | | | | |
| TKMJ31 | Biofuels for Transportation | 6 | A1N | 1 | E |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | Е |
| Period 2 | | | | | |
| TMPE01 | Project Course Advanced - Energy Engineering | 12* | A1X | - | E |

Specialisation: Master Profile Finance

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---------------------------------|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE53 | Financial Valuation Methodology | 6 | A1X | 2 | E |
| TPPE66 | Investment Valuation | 6* | A1X | 4 | E |
| Period 2 | | | | | |
| TPPE61 | Financial Optimization | 6 | A1X | 2 | E |
| TPPE66 | Investment Valuation | 6* | A1X | 4 | E |



Specialisation: Master Profile Industrial Marketing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIM04 | Industrial Market and Technology Strategies | 12* | A1X | 2 | С |
| Period 2 | | | | | |
| TEIM04 | Industrial Market and Technology Strategies | 12* | A1X | 2 | С |

Specialisation: Master Profile Logistics Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TETS38 | Logistics Project | 12* | A1X | 4 | С |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | Е |
| Period 2 | | | | | |
| TETS38 | Logistics Project | 12* | A1X | 2 | С |
| TETS31 | Logistics Strategies | 6 | A1X | 4 | E |

Specialisation: Master Profile Manufacturing

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | С |
| Period 2 | | | | | |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | С |

Specialisation: Master Profile Operations Management

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | С |
| TPPE99 | Simulation in Production and Logistics | 6 | A1X | 3 | E |
| Period 2 | | | | | |
| TPPE73 | Operations Management - Project Course | 12* | A1X | 4 | С |
| | | | | | |



Specialisation: Master Profile Product Development

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | - | С |
| Period 2 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | - | С |

Specialisation: Master Profile Project, Innovation and Entrepreneurship

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEIO89 | Innovation and Entrepreneurship - Project Course | 12* | A1X | 4 | С |
| Period 2 | | | | | |
| TEIO89 | Innovation and Entrepreneurship - Project Course | 12* | A1X | 4 | С |

Specialisation: Master Profile Quality Technology and Management

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



Specialisation: Master Profile Strategic Management and Control

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TEAE12 | Strategic Analysis and Methods for Strategic Change | 12* | A1F | 2 | С |
| TDEI72 | Strategy and Digitisation - Technology, Standards and Network Effects | 6 | A1X | 4 | E |
| Period 2 | | | | | |
| TEAE12 | Strategic Analysis and Methods for Strategic Change | 12* | A1F | 2 | С |
| TEAE18 | Sustainable Value Chain Strategies | 6 | A1X | 4 | E |
| TEIM10 | Industrial Service Development | 6 | A1X | 2 | E |
| TMQU12 | Lean Production | 6 | A1X | 2 | E |

Specialisation: Master Profile Telecommunication

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|---|---------|-------|---------------------|-----|
| Period 1 | | | | | _ |
| TSKS12 | Modern Channel Coding, Inference and Learning | 6 | A1N | 1 | E |

Specialisation: Master Profile Wood Technology

| Course code | Course name | Credits | Level | Timetable module | ECV |
|-------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | - | С |
| Period 2 | | | | | |
| TMPM05 | Project Course Advanced - Design Engineering and Product Development | 12* | A1X | - | С |



Specialisation: Mechanical Engineering Specialization

| Course code | Course name | Credits | Level | Timetable module | ECV |
|----------------|--|---------|-------|---------------------|-----|
| Period 1 | | | | | |
| TMKT79 | Collaborative Multidisciplinary Design Optimization | 6 | A1X | 2 | E |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | E |
| Period 2 | | | | | |
| TKMJ32 | Integrated Product Service Engineering | 6 | A1N | 3 | E |
| TMKA03 | Industrial Design | 6 | G2X | 1 | E |
| TMPM08 | Project Course Advanced - Manufacturing Engineering | 12* | A1F | - | E |

Semester 10 (Spring 2021)

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

ECV = Elective / Compulsory / Voluntary



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