



Programme syllabus

[An accessible version of the syllabus can be found in the Course and programme directory.](#)

Degree Programme in Vehicle Engineering 300 credits

Civilingenjörsutbildning i farkostteknik

Valid for students admitted to the education from autumn 07 (HT - Autumn term; VT - Spring term).

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

Programme objectives

Vehicle engineering is concerned with air and water vehicles, ground and rail automobiles and systems where these are components. The Master of Science in Engineering programme in Vehicle Engineering aims to provide the students with knowledge, abilities, and attitudes which are demanded in order to be able to participate in the development of vehicles and systems – from idea formulation, construction, and implementation, to operation and maintenance. The programme also prepares the student for work within other parts of society where knowledge within applied mechanics or system technology is useful, as well as for research programmes.

The Vehicle Engineering programme's vision is to provide a Master of Science in Engineering program which emphasizes fundamental knowledge in the context of Conceiving – Designing – Implementing – Operating complex technical systems and new products.

The Vehicle Engineering programme's fundamental idea is to provide an education which:

- integrates abilities in disciplinary mathematics, natural science, technical science and technology with general engineering abilities
- consists of a number of projects which include the elements of design, manufacturing and testing
- is supported by active and experience-based learning methods
- actively supports the teachers' development of their engineering experience.
- takes place in common lecture halls, as well as, labs and workshops
- is developed through the constant improvement philosophy

Specialisation of Objective Descriptions

The following general programme objectives apply to the specialisations: The student will:

- be able to use and design tools or models for analysis and testing from the foundations which are acquired through studying natural scientific and technical subjects
- in an engineering-related manner, train problem solving with the opportunity to use creative methods
- practice placing oneself in new subject areas and obtaining information about technology and methods
- have awareness about the main features in the current development and research within the chosen specialisation area.
- Practice planning, leading and participating in development work. This includes identifying, analyzing, and specifying a product, a system or a process which will answer a specific need. It also consists of economic planning, follow-up and appraisal and using computer-based utilities
- Develop one's own ability to communicate and work on a team. Be able to present results in a clear and correct manner both orally and in writing, in Swedish as well as English
- Understand and have respect for the meaning of how technology affects people and society with regards to the limited supply of energy and materials

All information about the degree requirements for the Master of Science in Engineering degree, student Bachelor's Degree, and respective masters degrees can be found in KTHs local degree ordinance.

Knowledge and understanding

A Master of Science in Engineering in the Vehicle Engineering programme should:

- have the ability to independently apply math and basic natural science within his/her own technical area
- be able to masterfully and independently apply basic principles within a broad technically scientific area
- within his/her own technical area, be able to practice a creative and critical work ethic in order to formulate and research problems with modern methods and tools, within a certain areas.

- be able to analyze technical problems from a system perspective with an overview of technical systems and their life cycles, from idea/need to specification, development, manufacturing, operation and termination

Skills and abilities

A Master of Science in Engineering in the Vehicle Engineering programme should:

- have understanding that engineering-related problems are often complex, can be incompletely defined, and sometimes contain conflicting conditions
- show insight in that problem solutions start with need and function, with regards to business related conditions, the technology's influence on the environment and technology's role in society.
- show ability in an engineering-related context to be able to communicate, orally and in writing with different target groups in Swedish and English and to be able to discuss the conclusions and the knowledge and arguments which provide the foundation for these conclusions.
- through practice and reflection, develop the ability to work effectively in a group
- be able to identify conflicts between different ethical points-of-view within the profession
- be able to follow and use the scientific developments within the technical area and have the awareness of the main features in current development and research within the technical area

Ability to make judgements and adopt a standpoint

A Master of Science in Engineering in the Vehicle Engineering programme should:

- understand and respect the meaning of how technology affects humans and society with regards taken to the limited supply of energy and materials
- be able to show insight for the possibilities and limitations of technology, its roll in society and humans responsibility for how it is used

The above ensures that the Master of Science in Engineering programme agrees with societies demands, which are expressed in the Higher Education Act and the Higher Education Ordinance.

Extent and content of the programme

The Master of Science in Engineering programme in Vehicle Engineering consists of 300 credits, which at normal study speed corresponds to five years of full time study. The programme's first three years are in the first cycle and can be concluded with a technology Bachelor's Degree, if the student applies to do so. The last two years are concluded in the second cycle.

The programme provides a stable technical foundation as well as knowledge and abilities to further the development of all possible vehicles. Mathematics, mechanics, and solid mechanics are studied

during the first two years. Years 3-5 focus on the specialisation areas. The programme gives students the ability to optimize the following factors: stability, solidity, security, environmentally friendly and comfort. This demands a combination of creative thinking and advanced calculation.

The first three years in the programme are mainly in Swedish; although, some English literature and occasional elements where English is used are present. The final two years of courses are mainly in English.

Eligibility and selection

See KTHs admission policy at <http://intra.kth.se/regelverk/utbildning-forskning>

Implementation of the education

Structure of the education

The study years for KTH's undergraduate programme is divided into four periods. The study periods each have around seven weeks with at least 33 study days. Every study period is followed by an exam period including two free days and at least five exam days. Beyond those four ordinary exam periods, three re-exam periods are given: after Christmas, after the study years last ordinary exam period, and directly before the study year's first study period.

The study year consists of 40 weeks. If necessary, lectures can take place outside of the study year.

The study programme is organized around courses in the mathematical, technical scientific and technical application subjects. The lectures in and usage of complementing personal and professional abilities meaningful for a Master of Science in Engineering, for example, communication, ethics, company and society aspects, are integrated into the courses.

In order to make the study programme complete, collaboration between different subjects within every study year as well as between the study years themselves, is emphasized. This happens by the courses being coordinated through common schedules, project work and hand-in assignments.

The study programme is designed in such a manner that the student studying after three years will have the possibility to take a degree of Bachelor in order to, if desired, continue his/her studies in another program at KTH or another University in Sweden, or abroad.

The study programme's plan consists partly of the mandatory courses in study years 1-3, and partly of a specialisation from study year 4-5 which concludes with a degree project of 30 credits.

The lectures in study years 1-2 and portions of study year 3 are the same for everyone studying in the programme. Before the concluding portion of the study programme, the student chooses a specialisation: Aerospace Engineering, Automobile Technology, System Technology, Solid

Mechanics, Mechanics, Lightweight Applications, Marine Systems, Sound Vibrations and Signals, Space Technology, Integrated Product Development, Machine Construction, Mechatronics, or Sustainable Energy Systems.

In and after study year 3, the student can choose optional or conditionally optional courses. In study year 3, there are 9 credits available for this. In study year 4-5, the number of optional course credits varies depending on which specialisation the student chooses, but the study programme will include at least 20 optional credits.

Courses

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

In the study programme, there are obligatory, conditionally eligible and optional courses. The obligatory courses are defined in the teaching and time schedule for every study year and specialisation. The different courses' objectives, prerequisites, content and examination specifications are found in the respective course plans.

The space for optional courses within the Vehicle Engineering programme is first allocated in study year 3. Only with exception can optional courses be allowed before study year 3.

Optional courses can be chosen from KTHs course options for Master of Science in Engineering's programmes. Even courses from other universities can be approved.

For optional courses, the following restrictions apply:

- Optional courses can not be taken in study year 1
- Only with exception can optional courses be taken in study year 2
- The number of credits which can be chosen per semester can be limited.
- Optional courses cannot overlap study programme-specific courses to a meaningful extent.
- Higher education preparation courses may not be counted as optional courses
- Courses on lower levels within a subject than available study programme courses may not count as optional courses.

Grading system

Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

Since the grading systems differ very much between different countries, the grades are not translated from exchange studies abroad.

Conditions for participation in the programme

Term enrolment

Every study year, enrolment notification for the next term must be completed with forms on KTH's website at the latest November 15th and May 15th respectively. The notification makes the grade registration possible as well as the payment from CSN.

Study recess

Study recess means that the student does not participate in lectures during at least one study period. Approved study recess gives the student the right to return to the studies at a given time. During the study recess the student may complete and participate in examination in previously enrolled courses.

The application concerning a study recess is submitted to the programme office, which approves or rejects the application. When the student decides to resume the studies, a new application must be submitted.

Course Selection

Application to optional courses and course registration.

The student is obligated to apply to the optional courses he/she wishes to attend the following semester. Decisions about place assignment of courses are made by the programme office. Regards are taken to the economical and physical space limitations. The application of optional courses must be handed-in to the SCI office at the latest:

- May 15th for the fall term
- November 15th for the spring term

The application is done using the web forms on "My Sites".

Applications which are submitted after the last application deadline are taken into consideration space is available. Before course selection for language courses is done, a test will be done for level-placement.

Course enrolment notification to obligatory courses happens, in most cases, automatically by the office. Separate notification is demanded for those who study individual specialisations and for those who choose among alternative obligatory courses or corresponding.

The student will, upon the first scheduled lecture, register the course. Course registration for both obligatory courses and optional courses must be done individually at the department. The student who registers in a course and then decides to not proceed must notify the corresponding department.

Conditions for being promoted to the next level

For studies in study year 2:

At least 45 credits from study year 1 must be completed by August in study year 2.

For studies in study year 3:

At least 90 credits from years 1-2 must be completed by August in study year 3. In order to be able to begin specialisation work/degree work for the degree of Bachelor in the spring term in study year 3, at least 102 credits must be completed by November 15th.

For studies in study year 4:

At least 150 credits from years 1-3 must be completed by August of year 4. Included in these 150 credits, 15 credits must be from specialization/degree project work and credits from possible prerequisite courses must be completed as well.

In addition, all courses which constitute prerequisites to courses during the coming year must be completed by August of year 4. Students who do not fulfill the requirements for continuing enrolment for the next year must contact the programme's study counseling in order to establish an individual study plan.

Specialisation selection

Preliminary choice of specialization is done in the fall term of study year 3.

The preliminary choice is possible to change for certain specialisations even up to the beginning of study year 4. For a more detailed description of this, see for example, the specialization catalogue <http://www.kth.se/dokument/student/sci/t/T0809.pdf>.

Course registration

Registration of courses must be done using course selection in Ladok. The course selection is done either through the course selection routine on the web or through the student's study programme office. Registration of courses is done by the course's responsible department. Registration must happen around three weeks after the course start. If the student discontinues the course, the student must notify the department of this.

Recognition of previous academic studies

The recognition of previous academic studies is an important element to facilitate the mobility within the country and between countries, for the higher education's internationalization work and for life-long learning.

KTH will have an open manner of recognition of previous academic studies. Recognition will, therefore, be able to happen even if the exact programme does not exist at KTH or the contents in, for example, course plans do not exactly correspond to KTH's. The requirements which KTH normally sets on the study programme's level and quality will be taken into consideration when recognizing previous academic studies.

Recognition of previous academic studies which are decided with another higher education institution in Sweden must normally be accepted by KTH.

A student at KTH who carries out studies at another university within the boundaries of an exchange agreement has the right to receive advanced notification about recognition of previous studies. Such a notification can, for example, be given through a Learning Agreement which must be established and signed by the coordinator at KTH, contact person at the university abroad and the student.

The student at KTH has the right to receive a trial recognition of previous academic studies. Even a person who is not a student at KTH, but has academic education and strives to complete it must in the most possible degree, submit the application and get a preliminary decision (advanced notification) about the recognition of previous academic studies.

Even degree project work can be recognized. KTH considers it, nevertheless, appropriate that the degree project work is performed at KTH (within a school or at a company with supervisor from KTH).

Decision about recognition of courses can be appealed through the Board of Appeals for higher education. The appeal must be submitted to KTH at the latest within three weeks from the day the applicant was notified of the decision.

In order for a trial recognition of previous academic studies, the applicant must normally be able to document that he/she has graduated in courses (corresponding) with at least passing results. The study performance is graded by the university where the exam was taken, not by the recognition of KTH.

<http://intra.kth.se/regelverk/utbildning-forskning>

Studies abroad

The students in the Vehicle Engineering programme have the unique possibility to study as exchange students at first-class university all over the world. Exchange studies means that the student substitutes a portion of his/her study time at KTH with studies at a university abroad with which KTH has an agreement.

There is a possibility to choose to study one semester, one year, or two years (double degree) abroad. Double degree means that the student receives an exam both from KTH and from the university abroad. Companies like Daimler Chrysler and Airbus actively recruit those who have double degrees and to speak the language of the country is an assumption in order for the student to be able to be employed abroad. For more information contact Patrik Gårdenäs, tel 08-7908495, e-mail patrikg@kth.se

Degree project

A degree project work which corresponds to 30 credits corresponding to about 5 months full-time studies is also included in the study programme.

- The degree project work is normally carried out within a subject central to the programme's technical area.
- The degree project work may not begin before the assignment is approved by the examiner of the chosen institution and is submitted to the programme office using special forms.
- The main portion of the studies, at least 230 credits, must be completed, and the student may not have more than two unfinished courses of the mandatory courses in study years 1-3.
- The examiner is responsible for the student to have sufficient prerequisites for the chosen assignment.
- The degree project work is based on the knowledge which is acquired during the entire study time and will normally be done during the tenth semester within the chosen specialisation. If the student desires to do degree project work within another specialization area, it must be approved by the programme office.
- The degree project work should show that the student is capable to independently apply his/her acquired knowledge during the study time and therefore is done at the end of the programme; therefore, it is normally started, at the earliest, during semester 9 within the chosen specialisation.
- The degree project work must provide proof of an independent, engineering-related work consisting of theoretical and/or experimental activity with a corresponding report.
- The degree project work can include other elements, for example, seminars, information searching, student teaching, opposition or other elements which the examiner or supervisor deems suitable.
- The degree project work is carried out individually or together with another student. In the latter case, the examiner will ensure that every student's workload corresponds to the requirements for an individual degree project work.
- The supervisor is appointed by the examiner

Link to the grading scale of the degree project work: <http://intra.kth.se/regelverk/utbildning-forskning>

The application form for degree project work (<http://www.kth.se/dokument/student/sci/blankett/examensarbetesanmalan.pdf>) is submitted signed by the student and examiner to the programme office.

The degree project work has more detailed rules and guidelines from each respective department.

Degree

The 300 credit degree

The Master of Science in Engineering degree is received after the completion of the study programme. The programme must be designed so that the student with the degree fulfills the national and local degree requirements and has completed courses corresponding to 300 credits subject to the following.

- The mathematical-natural scientific subjects of at least 45 credits, and moreover, at least 180 credits (including 30 credits of degree project work) in the subject central to the technical area.
- At least 90 credits in the second cycle, where at least 60 credits (including 30 credits of degree project work) in the subjects central to the technical area.

The study programme will be designed so that the student with the degree has complementing technical knowledge in accordance with the national degree ordinance and the study programme's local objectives.

The name of the degree is Master of Science in Engineering

Degree Application

The student has the possibility to apply for three different degrees, degree of Bachelor in Technology, Degree of Master of Science in Engineering, and Master's Degree. The application for the degree is done with special forms (<http://www.kth.se/dokument/student/sci/blankett/examensarbetesanmalan.pdf>) and is put to the office of School of Engineering Science's programme office. With the application, proof of the paid student union fee must be attached.

Appendix 1 - Course list

Appendix 2 - Programme syllabus descriptions



Appendix 1: Course list

Degree Programme in Vehicle Engineering (CFATE)

General courses

Year 1

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
DN1212	Numerical Methods and Basic Programming	9.0 hp	First cycle
SD1000	Perspectives on Vehicle Engineering	9.0 hp	First cycle
SF1618	Analytical Methods and Linear Algebra I	12.0 hp	First cycle
SF1621	Analytical Methods and Linear Algebra II	12.0 hp	First cycle
SG1130	Mechanics I	9.0 hp	First cycle
SK1112	Physics I	9.0 hp	First cycle

Optional courses

Code	Name	Credits	Edu. level
SF1611	Introductory Course in Mathematics I	1.5 hp	First cycle

Year 2

Mandatory courses (60.0 Credits)

Code	Name	Credits	Edu. level
MF1015	Product Realization	12.0 hp	First cycle
SD1120	Noise and Vibration Control	9.0 hp	First cycle
SE1010	Solid Mechanics, Basic Course with Project	12.0 hp	First cycle
SF1634	Differential Equations II	9.0 hp	First cycle
SG1140	Mechanics II	6.0 hp	First cycle
SG1216	Thermodynamics	6.0 hp	First cycle
SG1217	Fluid Mechanics, Basic Course	6.0 hp	First cycle

Year 3

Mandatory courses (36.0 Credits)

Code	Name	Credits	Edu. level
EL1000	Automatic Control, General Course	6.0 hp	First cycle
MF1017	Basic Electrical Engineering	6.0 hp	First cycle
SD2125	Signals and Mechanical Systems	6.0 hp	Second cycle
SE1025	FEM for Engineering Applications	6.0 hp	First cycle
SF1861	Optimization	6.0 hp	First cycle
SF1907	Mathematical Statistics, Basic Course	6.0 hp	First cycle

Optional courses

Code	Name	Credits	Edu. level
DD1321	Applied Programming and Computer Science	9.0 hp	First cycle
DD1322	Applied Programming and Computer Science, Part 1	6.0 hp	First cycle
DN2221	Applied Numerical Methods, part 1	6.0 hp	Second cycle
HM1025	Ergonomics in Product Development	6.0 hp	First cycle
ME1001	Industrial Management, Basic Course	6.0 hp	First cycle
ME1008	Work Organization and Leadership	6.0 hp	First cycle
MF1023	Basic Electrical Engineering, Part 2	3.0 hp	First cycle
MF1043	Microcomputers in Embedded Systems	9.0 hp	First cycle
MF2019	CAD 3D-modelling and Visualization	6.0 hp	Second cycle
MF2021	Environmentally Adapted Product Design	6.0 hp	Second cycle
MG1001	Manufacturing	6.0 hp	First cycle
MG1002	Automation Technology	6.0 hp	First cycle
MH1004	Engineering Materials	6.0 hp	First cycle
MH1005	Structural Materials	6.0 hp	First cycle
MJ1401	Heat Transfer	6.0 hp	First cycle
MJ2613	Sustainable Development	6.0 hp	Second cycle
SK2360	Laser Metrology and Optical Metrology	6.0 hp	Second cycle
SK2370	Physics of Visual Impressions	6.0 hp	Second cycle

Supplementary information

For information about curriculum in year 4-5 see masterprogrammes in

Aerospace, Vehicle, Naval Architecture, Engineering Mechanics, Mathematics, Sustainable Energy Engineering, Engineering Design, Industrial Management and Integrated Product Design

Year 4

Optional courses

Code	Name	Credits	Edu. level
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EJ2410	Hybrid Vehicle Drives	7.5 hp	Second cycle
EL2520	Control Theory and Practice, Advanced Course	7.5 hp	Second cycle
MF1043	Microcomputers in Embedded Systems	9.0 hp	First cycle
MF2017	Combustion Engines, Project Course	9.0 hp	Second cycle
MF2021	Environmentally Adapted Product Design	6.0 hp	Second cycle
MF2025	Project Work in Mechatronics	6.0 hp	Second cycle
MF2047	Internal Combustion Engines 1	6.0 hp	Second cycle
MF2048	Internal Combustion Engines 2	9.0 hp	Second cycle
MJ2405	Sustainable Power Generation	9.0 hp	Second cycle
MJ2407	Sustainable Energy Utilisation	9.0 hp	Second cycle
MJ2410	Energy Management	6.0 hp	Second cycle
MJ2411	Renewable Energy Technology	6.0 hp	Second cycle
MJ2412	Renewable Energy Technology, Advanced Course	6.0 hp	Second cycle
MJ2413	Energy and Environment	6.0 hp	Second cycle
MJ2420	Combustion Theory	6.0 hp	Second cycle
MJ2421	Modelling of Thermodynamic Systems	6.0 hp	Second cycle
MJ2422	Thermal Comfort and Indoor Climate	6.0 hp	Second cycle
MJ2423	Applied Refrigeration and Heat Pump Technology	6.0 hp	Second cycle
MJ2425	Cooling of Electronics	6.0 hp	Second cycle
MJ2426	Applied Heat and Power Technology	6.0 hp	Second cycle
MJ2429	Turbomachinery	6.0 hp	Second cycle
MJ2430	Thermal Turbomachinery	6.0 hp	Second cycle
MJ2621	Environmental Technology, Advanced Course	7.5 hp	Second cycle
MJ2630	Waste Management, Advanced Course	6.0 hp	Second cycle
MJ2651	Ecology, Advanced Course	6.0 hp	Second cycle
MJ2652	Environmental Effects from Technical Systems and Processes	6.0 hp	Second cycle
MJ2663	Environmental Management	6.0 hp	Second cycle
MJ2680	Environmental Systems Analysis	6.0 hp	Second cycle
MJ2691	Technology and Sustainable Development	6.0 hp	Second cycle
SD2150	Experimental Structure Dynamics, Project Course	9.0 hp	Second cycle
SD2155	Flow Acoustics	6.0 hp	Second cycle
SD2165	Acoustical Measurements	8.0 hp	Second cycle

SD2170	Energy Methods	6.0 hp	Second cycle
SD2175	Numerical Methods for Acoustics and Vibration	9.0 hp	Second cycle
SD2180	Non-linear Acoustics	6.0 hp	Second cycle
SD2190	Vehicle Acoustics and Vibration	6.0 hp	Second cycle
SD2224	Vehicle Systems for a Better Environment	8.0 hp	Second cycle
SD2307	Rail Vehicle Technology	7.5 hp	Second cycle
SD2313	Rail Vehicle Dynamics	8.0 hp	Second cycle
SD2411	Lightweight Structures and FEM	8.0 hp	Second cycle
SD2413	Fibre Composites - Analysis and Design	6.0 hp	Second cycle
SD2414	Fibre Composites - Materials and Manufacturing	6.0 hp	Second cycle
SD2415	Process Modelling for Composite Manufacturing	6.0 hp	Second cycle
SD2416	Structural Optimisation and Sandwich Design	6.0 hp	Second cycle
SD2432	Lightweight Design	20.0 hp	Second cycle
SD2610	Computational Aerodynamics	9.0 hp	Second cycle
SD2701	Introduction to Naval Architecture	8.0 hp	Second cycle
SD2703	Marine Dynamics	8.0 hp	Second cycle
SD2800	Experimental Aerodynamics	6.0 hp	Second cycle
SD2805	Flight Mechanics	9.0 hp	Second cycle
SD2810	Aeroelasticity	9.0 hp	Second cycle
SE2121	Introduction to Biomechanics	9.0 hp	Second cycle
SE2123	Testing Techniques in Solid Mechanics	6.0 hp	Second cycle
SE2126	Material Mechanics	9.0 hp	Second cycle
SE2127	Packaging Materials	7.5 hp	Second cycle
SE2129	Fracture Mechanics and Fatigue	9.0 hp	Second cycle
SF2812	Applied Linear Optimization	7.5 hp	Second cycle
SF2822	Applied Nonlinear Optimization	7.5 hp	Second cycle
SF2852	Optimal Control Theory	7.5 hp	Second cycle
SF2937	Reliability Theory	7.5 hp	Second cycle
SF2974	Portfolio Theory and Risk Management	6.0 hp	Second cycle
SG2122	Continuum Mechanics	6.0 hp	Second cycle
SG2126	Non-linear Oscillations and Dynamical Systems in Mechanics	7.5 hp	Second cycle
SG2211	Vehicle Aerodynamics	6.0 hp	Second cycle

SG2212	Computational Fluid Dynamics	7.5 hp	Second cycle
SG2213	Applied Computational Fluid Dynamics	3.0 hp	Second cycle
SG2214	Fluid Mechanics	7.5 hp	Second cycle
SG2218	Turbulence	7.5 hp	Second cycle
SG2219	Advanced Compressible Flows	7.5 hp	Second cycle
SG2221	Wave Motions and Hydrodynamic Stability	7.5 hp	Second cycle
SG2860	FEM Modelling	8.0 hp	Second cycle
SH2702	Nuclear Reactor Technology	8.0 hp	Second cycle
SH2703	Nuclear Reactor Dynamics and Stability	6.0 hp	Second cycle

Supplementary information

For information about curriculum in year 4-5 see masterprogrammes in

Aerospace, Vehicle, Naval Architecture, Engineering Mechanics, Mathematics, Sustainable Energy Engineering, Engineering Design, Industrial Management and Integrated Product Design

Year 5

Supplementary information

For information about curriculum in year 4-5 see masterprogrammes in

Aerospace, Vehicle, Naval Architecture, Engineering Mechanics, Mathematics, Sustainable Energy Engineering, Engineering Design, Industrial Management and Integrated Product Design

Master, Aerospace Engineering (AEE)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/taeem/ht10/>

Master, Vehicle Engineering (FOR)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tform/ht10/>

Master, Industrial Management (INE)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tinem/ht10/>

Master, Integrated Product Design (IPD)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tipdm/ht10/>

Master, Engineering Design (IPU2)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tipum/ht10/>

Master, Naval Architecture (MRS)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tmrsm/ht10/>

Master, Mathematics (MTH)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tmthm/ht10/>

Master, Sustainable Energy Engineering (SUE)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/tsuem/ht10/>

Master, Engineering Mechanics (TEM)

Year 4

Supplementary information

Courselist:

<http://www.kth.se/student/kurser/program/ttemm/ht10/>

Individual (TX)



Appendix 2: Specialisations

Degree Programme in Vehicle Engineering (CFATE)

Master, Aerospace Engineering (AEE)

See

http://www.kth.se/studies/master/programmes/me/2.994?l=en_UK

<http://www.kth.se/student/kurser/program/taeem/ht10/>

Master, Vehicle Engineering (FOR)

See

http://www.kth.se/studies/master/programmes/me/vehicleengineering?l=en_UK

<http://www.kth.se/student/kurser/program/tform/ht10/>

Master, Industrial Management (INE)

See

http://www.kth.se/studies/master/programmes/im/indmanagement?l=en_UK

<http://www.kth.se/student/kurser/program/tinem/ht10/>

Master, Integrated Product Design (IPD)

See

http://www.kth.se/utbildning/program/master-magisterutbildning/program/svenska-masterprogram/ipd?l=sv_SE

<http://www.kth.se/student/kurser/program/tipdm/ht10/>

Master, Engineering Design (IPU2)

See

http://www.kth.se/studies/master/programmes/me/engdesign?l=en_UK

<http://www.kth.se/student/kurser/program/tipum/ht10/>

Master, Naval Architecture (MRS)

See

http://www.kth.se/studies/master/programmes/me/navalarchitecture?l=en_UK

<http://www.kth.se/student/kurser/program/tmrsm/ht10/>

Master, Mathematics (MTH)

See

http://www.kth.se/studies/master/programmes/m/2.1709?l=en_UK

<http://www.kth.se/student/kurser/program/tmthm/ht10/>

Master, Sustainable Energy Engineering (SUE)

See

<http://www.kth.se/studies/master/programmes/me/2.1746?l=en>

<http://www.kth.se/student/kurser/program/tsuem/ht10/>

Master, Engineering Mechanics (TEM)

See

http://www.kth.se/studies/master/programmes/me/2.1571?l=en_UK

<http://www.kth.se/student/kurser/program/ttemm/ht10/>

Individual (TX)

No information entered.