

Chemical Engineering

Study Year 1 (Mandatory Courses)

| Course Code | Credits | Cycle | S.Ex. stud. | Language | Course Name | Footnote | Links | 20/21 | | | | | | | | | | | | | | | | | | | |
|------------------------|---------|-------|-------------|----------|--|----------|---|-------|-----|-----|-----|-----|----|----|----|---|-----|----|----|----|---|-----|----|----|----|---|-----|
| | | | | | | | | sp1 | sp2 | sp3 | sp4 | | | | | | | | | | | | | | | | |
| | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S |
| FMAB65 | 7.5 | G1 | - | S | Calculus in One Variable B1 | | KS KE U W T | 50 | 30 | 0 | 0 | 120 | | | | | | | | | | | | | | | |
| KETA05 | 7.5 | G1 | - | S | Introduction to Chemical Engineering | | KS KE U W T | 12 | 72 | 18 | 0 | 100 | | | | | | | | | | | | | | | |
| FMAB70 | 7.5 | G1 | - | S | Calculus in One Variable B2 | | KS KE U W T | | | | | | 50 | 30 | 0 | 0 | 120 | | | | | | | | | | |
| KOOA20 | 7.5 | G1 | - | S | Introductory Chemistry | | KS KE U W T | | | | | | 42 | 14 | 15 | 0 | 80 | | | | | | | | | | |
| KOOA15 | 7.5 | G1 | - | S | General Chemistry | | KS KE U W T | | | | | | | | | | | 42 | 28 | 15 | 0 | 80 | | | | | |
| EMAA20 | 7.5 | G1 | - | S | Linear Algebra with Introduction to Computer Tools | | KS KE U W T | | | | | | | | | | | 48 | 24 | 0 | 0 | 130 | | | | | |
| KETA10 | 7.5 | G1 | - | S | Chemical Process Calculations | | KS KE U W T | | | | | | | | | | | | | | | | 30 | 30 | 10 | 0 | 130 |
| KOKA25 | 7.5 | G1 | - | S | Organic Chemistry | | KS KE U W T | | | | | | | | | | | | | | | | 42 | 14 | 24 | 0 | 80 |

Study Year 2 (Mandatory Courses)

| Course Code | Credits | Cycle | S.Ex. stud. | Language | Course Name | Footnote | Links | 20/21 | | | | | | | | | | | | | | | | | | | |
|------------------------|---------|-------|-------------|----------|---|----------|---|-------|-----|-----|-----|-----|----|----|----|---|-----|----|----|----|---|-----|----|----|----|---|-----|
| | | | | | | | | sp1 | sp2 | sp3 | sp4 | | | | | | | | | | | | | | | | |
| | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S |
| FMAB30 | 6 | G1 | - | S | Calculus in Several Variables | | KS KE U W T | 44 | 16 | 2 | 0 | 100 | | | | | | | | | | | | | | | |
| KFKA05 | 7.5 | G1 | - | S | Molecular Driving Forces 1: Thermodynamics | | KS KE U W T | 28 | 28 | 20 | 0 | 124 | | | | | | | | | | | | | | | |
| KBKA05 | 7.5 | G1 | - | S | Technical Biology | | KS KE U W T | | | | | | 28 | 6 | 32 | 0 | 100 | | | | | | | | | | |
| KETF01 | 9 | G2 | - | S | Transport Phenomena, Basic Course | | KS KE U W T | | | | | | 36 | 36 | 24 | 0 | 144 | | | | | | | | | | |
| FHLA05 | 7.5 | G1 | X | E | Engineering Mechanics | | KS KE U W T | | | | | | | | | | | 42 | 42 | 0 | 0 | 120 | | | | | |
| KASA10 | 7.5 | G1 | - | S | Inorganic Chemistry | | KS KE U W T | | | | | | | | | | | 28 | 28 | 25 | 0 | 70 | | | | | |
| KFKF01 | 7.5 | G2 | - | S | Molecular Driving Forces 2: Interactions and Dynamics | | KS KE U W T | | | | | | | | | | | | | | | | 28 | 28 | 20 | 0 | 124 |
| KETF10 | 7.5 | G2 | X | E1 | Separation Processes, Basic Course | | KS KE U W T | | | | | | | | | | | | | | | | 22 | 35 | 15 | 0 | 128 |

Study Year 3 (Mandatory Courses)

| Course Code | Credits | Cycle | S.Ex. stud. | Language | Course Name | Footnote | Links | 20/21 sp1 | | | | 20/21 sp2 | | | | 20/21 sp3 | | | | 20/21 sp4 | | | | | | | | | | | | | |
|------------------------|---------|-------|-------------|----------|--|----------|---|-----------|----|----|---|-----------|----|----|---|-----------|-----|----|----|-----------|---|-----|----|----|----|----|----|--|--|--|--|--|--|
| | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | | | | | | |
| KAKF05 | 7.5 | G2 | - | S | Analytical Chemistry | | KS KE U W T | 30 | 10 | 24 | 1 | 150 | | | | | | | | | | | | | | | | | | | | | |
| FMSE70 | 7.5 | G2 | - | S | Mathematical Statistics | X | KS KE U W T | 26 | 16 | 8 | 1 | 140 | | | | | | | | | | | | | | | | | | | | | |
| MIOA15 | 7.5 | G1 | - | S | Managerial Economics, Basic Course | | KS KE U W T | | | | | | 54 | 12 | 9 | 0 | 125 | | | | | | | | | | | | | | | | |
| KETF25 | 7.5 | G2 | - | S | Reaction Engineering | | KS KE U W T | | | | | | 28 | 32 | 8 | 0 | 132 | | | | | | | | | | | | | | | | |
| KETF30 | 7.5 | G2 | - | S | Heat Engineering | | KS KE U W T | | | | | | | | | | | 26 | 30 | 10 | 0 | 130 | | | | | | | | | | | |
| KETF05 | 7.5 | G2 | X | E1 | Chemical Engineering, Project Laboratory | | KS KE U W T | | | | | | | | | | | 0 | 0 | 12 | 0 | 45 | 0 | 0 | 86 | 0 | 55 | | | | | | |
| KASF05 | 7.5 | G2 | X | E | Materials and Polymer Technology | | KS KE U W T | | | | | | | | | | | | | | | | 44 | 12 | 0 | 14 | 80 | | | | | | |

[FMSE70](#) Mathematical Statistics: *The course is to be studied together with MASB02*

Study Year 3 (Elective Mandatory Courses)

| Course Code | Credits | Cycle | S.Ex. stud. | Language | Course Name | Footnote | Links | 20/21 sp1 | | | | 20/21 sp2 | | | | 20/21 sp3 | | | | 20/21 sp4 | | | | | | | | | | | | |
|------------------------|---------|-------|-------------|----------|-------------------------|----------|---|-----------|---|---|---|-----------|---|---|---|-----------|---|----|----|-----------|---|-----|---|---|---|---|---|--|--|--|--|--|
| | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | | | | | |
| KASF01 | 7.5 | G2 | X | E1 | Environmental Chemistry | | KS KE U W T | | | | | | | | | | | 54 | 28 | 0 | 0 | 80 | | | | | | | | | | |
| KETF35 | 7.5 | G2 | - | S | Loss Prevention | | KS KE U W T | | | | | | | | | | | 16 | 56 | 1 | 0 | 127 | | | | | | | | | | |

Specialisation I - Pharma

| Course Code | Credits | Cycle | Mand./ Elect. | Year | From year | S.Ex. stud. | Language | Course Name | Footnote | Links | sp1 sp2 sp3 sp4 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------|-------|---------------|------|-----------|-------------|----------|--|----------|---|-----------------|----|----|----|-----|----|----|----|----|-----|----|----|----|----|-----|---|---|----|----|-----|----|----|----|----|-----|
| | | | | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | | | | | |
| KLG N60 | 7.5 | A | O | 4 | 4 | X | E | Drug Formulation and Production | X | KS KE U W T | 40 | 8 | 16 | 1 | 150 | | | | | | | | | | | | | | | | | | | | |
| KOK N01 | 7.5 | A | O | 4 | 4 | X | E1 | Medicinal Chemistry | | KS KE U W T | 56 | 10 | 0 | 0 | 100 | | | | | | | | | | | | | | | | | | | | |
| KASN45 | 7.5 | A | V | 4 | 4 | X | E1 | Advanced Analytical Chemistry | | KS KE U T | | | | | | 36 | 10 | 20 | 1 | 135 | | | | | | | | | | | | | | | |
| KFKN10 | 7.5 | A | V | 4 | 4 | X | E1 | Biophysical Chemistry | | KS KE U W T | | | | | | 38 | 14 | 16 | 0 | 132 | | | | | | | | | | | | | | | |
| KOK N05 | 7.5 | A | V | 4 | 4 | X | E1 | Organic Chemistry - Theory | | KS KE U W T | | | | | | 38 | 22 | 0 | 0 | 100 | | | | | | | | | | | | | | | |
| KFKN01 | 7.5 | A | V | 4 | 4 | X | E | Magnetic Resonance - Spectroscopy and Imaging | | KS KE U W T | | | | | | | | | | | 28 | 28 | 20 | 0 | 124 | | | | | | | | | | |
| KMBF10 | 7.5 | G2 | V | 4 | 4 | X | E | Quality and Product Safety | | KS KE U W T | | | | | | | | | | | 56 | 0 | 0 | 16 | 68 | | | | | | | | | | |
| KASN40 | 15 | A | V | 4 | 4 | X | E1 | Project in Pharmaceuticals, Materials or Chemistry | | KS KE U T | | | | | | | | | | | 8 | 0 | 80 | 40 | 100 | 0 | 0 | 80 | 40 | 100 | | | | | |
| KIM N01 | 7.5 | A | V | 4 | 4 | X | E | Immunotechnology | | KS KE U W T | | | | | | | | | | | | | | | | | | | | | 34 | 18 | 45 | 0 | 109 |
| KFKN05 | 7.5 | A | V | 4 | 4 | X | E1 | Surface and Colloid Chemistry | | KS KE U W T | | | | | | | | | | | | | | | | | | | | | 26 | 8 | 12 | 60 | 100 |
| KLG N10 | 7.5 | A | V | 5 | 4 | - | E1 | Chemometrics - Design of Experiments and Multivariate Analysis | | KS KE U W T | 14 | 0 | 21 | 0 | 120 | | | | | | | | | | | | | | | | | | | | |
| KMBN02 | 15 | A | V | 5 | 5 | X | E | Project in Life Science | | KS KE U W T | 16 | 4 | 10 | 16 | 130 | 4 | 0 | 60 | 16 | 130 | | | | | | | | | | | | | | | |

[KLG N60](#) Drug Formulation and Production: *Exam date to be set by agreement*

Specialisation m - Materials

| Course Code | Credits | Cycle | Mand./ Elect. | Year | From year | S.Ex. stud. | Language | Course Name | Footnote | Links | F O L H S F O L H S F O L H S F O L H S | | | | | | | | | | | | | | | | | | | |
|------------------------|---------|-------|---------------|------|-----------|-------------|----------|--|----------|---|---|-----|-----|-----|-----|----|----|----|----|-----|----|----|----|----|-----|----|---|----|----|-----|
| | | | | | | | | | | | sp1 | sp2 | sp3 | sp4 | | | | | | | | | | | | | | | | |
| KASN10 | 7.5 | A | O | 4 | 4 | X | E1 | Materials Chemistry | | KS KE U W T | 42 | 12 | 0 | 16 | 100 | | | | | | | | | | | | | | | |
| KASN20 | 7.5 | A | O | 4 | 4 | X | E1 | Polymer Physics | | KS KE U W T | | | | | | 20 | 8 | 42 | 2 | 120 | | | | | | | | | | |
| KASN25 | 7.5 | A | V | 4 | 4 | X | E | Polymer Chemistry | | KS KE U W T | 26 | 10 | 34 | 0 | 120 | | | | | | | | | | | | | | | |
| KASF15 | 7.5 | G2 | V | 4 | 4 | X | E | Materials Analysis at the Nanoscale | | KS KE U W T | | | | | | 42 | 12 | 6 | 0 | 100 | | | | | | | | | | |
| FFFN05 | 7.5 | A | V | 4 | 4 | X | E | Nanomaterials - Thermodynamics and Kinetics | | KS KE U W T | | | | | | 28 | 14 | 0 | 0 | 158 | | | | | | | | | | |
| KOKN05 | 7.5 | A | V | 4 | 4 | X | E1 | Organic Chemistry - Theory | | KS KE U W T | | | | | | 38 | 22 | 0 | 0 | 100 | | | | | | | | | | |
| FAFN15 | 7.5 | A | V | 4 | 4 | X | E | Crystal Growth and Semiconductor Epitaxy | | KS KE U W T | | | | | | | | | | | 18 | 8 | 0 | 0 | 170 | | | | | |
| KFKN01 | 7.5 | A | V | 4 | 4 | X | E | Magnetic Resonance - Spectroscopy and Imaging | | KS KE U W T | | | | | | | | | | | 28 | 28 | 20 | 0 | 124 | | | | | |
| KASN40 | 15 | A | V | 4 | 4 | X | E1 | Project in Pharmaceuticals, Materials or Chemistry | | KS KE U T | | | | | | | | | | | 8 | 0 | 80 | 40 | 100 | 0 | 0 | 80 | 40 | 100 |
| KASN15 | 7.5 | A | V | 4 | 4 | - | E1 | Microscopic Characterization of Materials | | KS KE U W T | | | | | | | | | | | | | | | | 14 | 0 | 70 | 0 | 80 |
| KFKN05 | 7.5 | A | V | 4 | 4 | X | E1 | Surface and Colloid Chemistry | | KS KE U W T | | | | | | | | | | | | | | | | 26 | 8 | 12 | 60 | 100 |
| KETF20 | 7.5 | G2 | V | 5 | 4 | X | E1 | Chemical Engineering Processes | | KS KE U W T | 40 | 4 | 6 | 0 | 148 | | | | | | | | | | | | | | | |
| KLG10 | 7.5 | A | V | 5 | 4 | - | E1 | Chemometrics - Design of Experiments and Multivariate Analysis | | KS KE U W T | 14 | 0 | 21 | 0 | 120 | | | | | | | | | | | | | | | |
| FKMN20 | 7.5 | A | V | 5 | 4 | X | E | Advanced Materials Technology | | KS KE U W T | | | | | | 42 | 14 | 8 | 10 | 70 | | | | | | | | | | |

Specialisation p - Process Design

| Course Code | Credits | Cycle | Mand./ Elect. | Year | From year | S.Ex. stud. | Language | Course Name | Footnote | Links | sp1 | | | | sp2 | | | | sp3 | | | | sp4 | | | | | | | |
|------------------------|---------|-------|---------------|------|-----------|-------------|----------|--|----------|---|-----|----|----|---|-----|----|----|----|-----|-----|----|----|-----|---|-----|----|---|---|-----|-----|
| | | | | | | | | | | | F | O | L | S | F | O | L | S | F | O | L | S | F | O | L | S | | | | |
| KETN20 | 15 | A | O | 4 | 4 | X | E1 | Sustainable Process Design | | KS KE U W T | 20 | 22 | 22 | 0 | 136 | 18 | 20 | 24 | 0 | 138 | | | | | | | | | | |
| KETN30 | 7.5 | A | V | 4 | 4 | X | E | Biochemical Reaction Engineering | | KS KE U W T | 30 | 43 | 0 | 0 | 127 | | | | | | | | | | | | | | | |
| KETF20 | 7.5 | G2 | V | 4 | 4 | X | E1 | Chemical Engineering Processes | | KS KE U W T | 40 | 4 | 6 | 0 | 148 | | | | | | | | | | | | | | | |
| KETN10 | 7.5 | A | V | 4 | 4 | X | E | Applied Transport Phenomena | | KS KE U W T | | | | | | 20 | 36 | 12 | 0 | 132 | | | | | | | | | | |
| VVAN25 | 7.5 | A | V | 4 | 4 | X | E | Water and Wastewater Treatment | X | KS KE U W T | | | | | | 30 | 44 | 8 | 0 | 118 | | | | | | | | | | |
| KETN01 | 7.5 | A | V | 4 | 4 | X | E1 | Process Simulation | | KS KE U W T | | | | | | | | | | | 16 | 68 | 4 | 0 | 112 | | | | | |
| KETN25 | 15 | A | V | 4 | 4 | X | E1 | Feasibility Studies on Industrial Plants | | KS KE U W T | | | | | | | | | | | 0 | 0 | 18 | 0 | 182 | 0 | 0 | 0 | 0 | 200 |
| FRTN25 | 7.5 | A | V | 4 | 4 | X | E | Automatic Process Control | | KS KE U W T | | | | | | | | | | | | | | | 26 | 28 | 8 | 8 | 130 | |
| KBTF15 | 7.5 | G2 | V | 5 | 4 | X | E1 | Bioprocess Technology | X | KS KE U W T | 36 | 8 | 45 | 0 | 90 | | | | | | | | | | | | | | | |
| KBTN05 | 7.5 | A | V | 5 | 4 | X | E | Downstream Processing in Biotechnology | | KS KE U T | | | | | | 20 | 28 | 16 | 0 | 90 | | | | | | | | | | |
| KLG20 | 7.5 | A | V | 5 | 4 | X | E | Food Engineering | | KS KE U W T | | | | | | 28 | 28 | 16 | 0 | 128 | | | | | | | | | | |

[VVAN25](#) Water and Wastewater Treatment: *The date and time of the exam is announced by the course lecturer*

[KBTF15](#) Bioprocess Technology: *The course is given in English in study period 1 for the K program.*

Elective Courses - K

| Course Code | Credits | Cycle | Year | From year | S.Ex. stud. | Language | Course Name | Footnote | Links | sp1 | | | | sp2 | | | | sp3 | | | | sp4 | | | | | |
|------------------------|---------|-------|------|-----------|-------------|----------|--|----------|---|-----|----|----|---|-----|----|----|----|-----|----|----|-----|-----|----|----|-----|-----|---|
| | | | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L |
| KBKF10 | 15 | G2 | 3 | 2 | - | E1 | Course in Synthetic Biology | X | KS KE U T | | | | | | | | 10 | 20 | 0 | 10 | 90 | 10 | 0 | 80 | 30 | 150 | |
| KKK000 | 15 | A | 4 | 4 | - | E1 | Advanced course in one or more subjects | X | KS KE U W | 0 | 0 | 0 | 0 | 400 | | | | | | | | | | | | | |
| IYT000 | 15 | G2 | 4 | 3 | - | S | Engineering Training Course | | KS KE U W | 0 | 0 | 0 | 0 | 400 | | | | | | | | | | | | | |
| MTTN40 | 7.5 | A | 4 | 4 | X | E | Packaging Technology and Development | | KS KE U W T | 40 | 28 | 20 | 0 | 112 | | | | | | | | | | | | | |
| EDAA20 | 7.5 | G1 | 4 | 3 | - | S | Programming and Databases | | KS KE U W T | 32 | 6 | 32 | 0 | 130 | | | | | | | | | | | | | |
| KKK000 | 15 | A | 4 | 4 | - | E1 | Advanced course in one or more subjects | X | KS KE U W | | | | | 0 | 0 | 0 | 0 | 400 | | | | | | | | | |
| MAMF55 | 7.5 | G2 | 4 | 4 | X | E1 | Aerosol Technology | | KS KE U W T | | | | | 38 | 12 | 14 | 0 | 125 | | | | | | | | | |
| KIMN10 | 7.5 | A | 4 | 4 | X | E | Biopharmaceuticals | | KS KE U W T | | | | | 32 | 18 | 32 | 0 | 118 | | | | | | | | | |
| IYT000 | 15 | G2 | 4 | 3 | - | S | Engineering Training Course | | KS KE U W | | | | | 0 | 0 | 0 | 0 | 400 | | | | | | | | | |
| KKK000 | 15 | A | 4 | 4 | - | E1 | Advanced course in one or more subjects | X | KS KE U W | | | | | | | | 0 | 0 | 0 | 0 | 400 | | | | | | |
| FMAF10 | 5 | G2 | 4 | 4 | - | S | Applied Mathematics - Linear systems | | KS KE U W T | | | | | | | | 26 | 10 | 4 | 0 | 93 | | | | | | |
| IYT000 | 15 | G2 | 4 | 3 | - | S | Engineering Training Course | | KS KE U W | | | | | | | | 0 | 0 | 0 | 0 | 400 | | | | | | |
| ETIA10 | 7.5 | G1 | 4 | 4 | X | E | Patent and Intellectual Property Rights | | KS KE U W T | | | | | | | | 28 | 6 | 3 | 0 | 160 | | | | | | |
| BLTF01 | 7.5 | G2 | 4 | 4 | X | E1 | Unit Operations in the Biotech and Food Industry | | KS KE U W T | | | | | | | | 10 | 14 | 40 | 7 | 129 | | | | | | |
| EITA05 | 4.5 | G1 | 4 | 3 | - | S | History of Technology | | KS KE U W T | | | | | | | | 14 | 0 | 0 | 0 | 40 | 14 | 7 | 0 | 0 | 40 | |
| EDAA70 | 7.5 | G1 | 4 | 1 | - | S | Introduction to Programming Using Python | | KS KE U W T | | | | | | | | 16 | 0 | 12 | 0 | 72 | 14 | 0 | 12 | 0 | 74 | |
| EDAA65 | 6 | G1 | 4 | 3 | - | S | Programming, First Course | | KS KE U W T | | | | | | | | 20 | 7 | 8 | 0 | 45 | 16 | 0 | 24 | 0 | 40 | |
| KKK000 | 15 | A | 4 | 4 | - | E1 | Advanced course in one or more subjects | X | KS KE U W | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 400 | |
| IYT000 | 15 | G2 | 4 | 3 | - | S | Engineering Training Course | | KS KE U W | | | | | | | | | | | | | 0 | 0 | 0 | 0 | 400 | |
| FBRF01 | 7.5 | G2 | 4 | 4 | X | E | Fundamental Combustion | | KS KE U W T | | | | | | | | | | | | 28 | 8 | 4 | 60 | 100 | | |
| MIOF20 | 6 | G2 | 4 | 4 | - | S | Management Organization | | KS KE U W T | | | | | | | | | | | | | 42 | 0 | 14 | 1 | 104 | |
| MIOF25 | 6 | G2 | 4 | 4 | - | S | Managerial Economics, Advanced Course | | KS KE U W T | | | | | | | | | | | | | 36 | 14 | 8 | 1 | 101 | |
| MIOF05 | 2 | G2 | 4 | 4 | - | S | Project in Managerial Economics, Advanced Course | | KS KE U W T | | | | | | | | | | | | | 2 | 0 | 16 | 1 | 34 | |
| FRTN55 | 7.5 | A | 5 | 4 | X | E | Automatic Control, Advanced Course | X | KS KE U W T | 30 | 28 | 12 | 0 | 130 | | | | | | | | | | | | | |
| KLTF05 | 7.5 | G2 | 5 | 5 | - | E1 | Dairy Processing | | KS KE U W T | 60 | 0 | 40 | 0 | 100 | | | | | | | | | | | | | |
| MION25 | 7.5 | A | 5 | 4 | - | S | Technology Strategy | | KS KE U W T | 36 | 8 | 0 | 3 | 153 | | | | | | | | | | | | | |
| MIOF15 | 7.5 | G2 | 5 | 4 | - | S | Marketing | | KS KE U W T | | | | | | | | 34 | 6 | 0 | 6 | 154 | | | | | | |

[KBKF10](#) Course in Synthetic Biology: *The course is partly presented in the summer and is being examined at the end of August. 5 hp exam in June, 10 hp examined in August. Registrations will be divided to 8.5 credits in the spring and 6.5 credits in the summer.*

[KKK000](#) Advanced course in one or more subjects: *The course is not linked to a specific study period. The data on hours (time table) implies that the course is over one study period. An individual plan should be drawn up and approved.*

[ERTN55](#) Automatic Control, Advanced Course: *Replaces [ERTN10](#) Multivariable Control*

Externally Elective Courses - K

| Course Code | Credits | Cycle | Year | From year | S.Ex. stud. | Language | Course Name | Footnote | Links | sp1 sp2 sp3 sp4 | | | | | | | | | | | | | | | | | | | |
|------------------------|---------|-------|------|-----------|-------------|----------|---|----------|---|-----------------|----|---|---|----|----|----|---|---|----|----|----|---|---|-----|----|----|---|---|-----|
| | | | | | | | | | | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S | F | O | L | H | S |
| GEMA20 | 7.5 | G1 | 4 | 1 | - | E | English for Engineers | | KS KE U W T | 30 | 0 | 0 | 0 | 70 | 20 | 0 | 0 | 0 | 80 | | | | | | | | | | |
| GEMA25 | 7.5 | G1 | 4 | 1 | - | S | German for Engineers | | KS KE U W T | 0 | 40 | 0 | 0 | 60 | 0 | 40 | 0 | 0 | 60 | | | | | | | | | | |
| GEMA65 | 7.5 | G1 | 4 | 1 | - | S | Chinese for Engineers | | KS KE U W T | | | | | | | | | | | 0 | 20 | 0 | 0 | 80 | 0 | 20 | 0 | 0 | 80 |
| GEMA20 | 7.5 | G1 | 4 | 1 | - | E | English for Engineers | | KS KE U W T | | | | | | | | | | | 30 | 0 | 0 | 0 | 70 | 20 | 0 | 0 | 0 | 80 |
| GEMA01 | 7.5 | G1 | 4 | 1 | - | S | French for Engineers: Language, Culture and Society, First Course | | KS KE U W T | | | | | | | | | | | 0 | 26 | 0 | 0 | 74 | 0 | 26 | 0 | 0 | 74 |
| GEMA70 | 15 | G1 | 4 | 1 | - | S | Japanese for Engineers | | KS KE U W T | | | | | | | | | | | 0 | 34 | 0 | 0 | 165 | 0 | 32 | 0 | 0 | 165 |

Bachelor's Projects - K

The list contains the bachelor's projects that are included in the K programme.

Links

| Course Code | Credits | Course Name | Links |
|-------------|---------|--|---|
| KFKL01 | 15 | Bachelor Project in Biophysical Chemistry | KS KE U |
| KETL01 | 15 | Bachelor Project in Chemical Engineering | KS KE U |
| KOOL01 | 15 | Bachelor Project in Materials Chemistry | KS KE U |
| KOKL01 | 15 | Bachelor Project in Organic Chemistry | KS KE U |
| KPOL01 | 15 | Bachelor Project in Polymer Technology | KS KE U |
| KAKL01 | 15 | Bachelor Project in Technical Analytical Chemistry | KS KE U |

Degree Projects - K

The list contains the degree project courses that are included in the K programme.

Links

| Course Code | Credits | Course Name | Links |
|-------------|---------|---|---|
| KMBM05 | 30 | Degree Project in Applied Microbiology | KS KE U W |
| FRTM01 | 30 | Degree Project in Automatic Control | KS KE U W |
| KFKM05 | 30 | Degree Project in Biophysical Chemistry | KS KE U W |
| KBTM05 | 30 | Degree Project in Biotechnology | KS KE U W |
| KETM05 | 30 | Degree Project in Chemical Engineering | KS KE U W |
| KLTM05 | 30 | Degree Project in Food Engineering | KS KE U W |
| KASM10 | 30 | Degree Project in Materials Chemistry | KS KE U |
| KASM05 | 30 | Degree Project in Organic Chemistry | KS KE U W |
| MTTM10 | 30 | Degree Project in Packaging Logistics | KS KE U W |
| KLGM15 | 30 | Degree Project in Pharmaceutical Technology | KS KE U W |
| KASM15 | 30 | Degree project in Polymer Technology | KS KE U |
| KASM01 | 30 | Degree Project in Technical Analytical Chemistry | KS KE U |
| VVAM05 | 30 | Degree Project in Water and Environmental Engineering | KS KE U W |