# Concept matrix of options join-in minors - 1st semester 2018-2019

| | | | | | | | ET | | | EEMCS | | | | | BMS | | | | | ST | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Minor code** | **Module name** | **Quartile** | **Language** | **Faculty** | **Programme** | **Modulecode** | CE | ID | ME | AM | BIT | CREA | CS | EE | COM | EPA | IBA | PSY | TBK | AT | BMT | GZW | ST | TG | TN |
| CTW-JM-INCT-15 | Introduction to Civil Engineering ** | M1 | English | ET | CE | 201700150 | | | | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | | 1) | 1) | 1) | 1) | |
| CTW-JM-WBH-15 | Water Management ** | M2 | English | ET | CE | 201700151 | | | | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | 1) | | 1) | 1) | 1) | 1) | |
| CTW-JM-VRD-15 | Safety in Risk in Delta's ** | M5 | Dutch/English | ET | CE | 201700181 | | 2) | | 2) | 2) | 2) | 2) | 2) | | | | | 2) | 2) | 2) | | 2) | 2) | 2) |
| CTW-JM-DSY-16 | Dynamic Systems ** | M5 | English | ET | ME | 201700125 | 4) | 4) | | | | | | | | | | | | 4) | | | 4) | | |
| EWI-JM-SAM-16 | Structures and Models ** | M1 | English | EEMCS | AM | 201300056 | | | | | | 5) | | | 5) | 5) | 5) | 5) | | | | 5) | | 5) | |
| EWI-JM-MAP-16 | Mathematical Proofs ** | M2 | English | EEMCS | AM | 201300057 | | | | | | 6) | | | 6) | 6) | 6) | 6) | | | | 6) | | 6) | |
| EWI-JM-DYS-16 | Dynamical Systems | M6 | English | EEMCS | AM | 201500103 | 7) | 7) | | | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | 7) | |
| EWI-JM-INB-16 | Introduction to BIT ** | M1 | English | EEMCS | BIT | 201700149 | | | | | | 5) | | | 5) | 5) | | 5) | | | | 5) | | 5) | |
| EWI-JM-WCI-15 | We Create Identity * | M1 | English | EEMCS | CREA | 201600066 | | | | | | | | | | | | | | | | | | | |
| EWI-JM-SME-15 | Smart Environments * | M2 | English | EEMCS | CREA | 201300132 | 8) | | | 8) | | | | | 8) | 8) | 8) | 8) | 8) | | 8) | 8) | | 8) | |
| EWI-JM-NMD-15 | New Media * | M5 | English | EEMCS | CREA | 201700016 | 8) | 8) | 8) | 8) | 8) | | 8) | | 8) | 8) | 8) | 8) | 8) | 8) | 8) | 8) | 8) | 8) | 8) |
| EWI-JM-STE-15 | Smart Technology * | M5 | English | EEMCS | CREA | 201700017 | 9) | 9) | 9) | 9) | 9) | | 9) | | 9) | 9) | 9) | 9) | 9) | 9) | 9) | 9) | 9) | 9) | |
| EWI-JM-PCS-16 | Pearls of Computer Science ** | M1 | English | EEMCS | CS | 201700139 | | | | | | 5) | | | 5) | 5) | 5) | 5) | | | | 5) | | 5) | |
| EWI-JM-SSY-16 | Software Systems ** | M2 | English | EEMCS | CS | 201700117 | | | | | | 5) | | | 5) | 5) | 5) | 5) | | | | 5) | | 5) | |
| EWI-JM-COS-16 | Computer Systems | M5 | English | EEMCS | CS | 201400210 | | | | | | 5) | | | | | | | | | | | | | |
| EWI-JM-ECC-15 | Electric Circuits ** | M2 | English | EEMCS | EE | 201500135 | | | | | | 10) | | | | | | | | | | | | | |
| EWI-JM-SAC-15 | Systems & Control | M6 | English | EEMCS | EE | 201500286 | | | | | | 11) | | | | | | | | 11) | | | | | |
| BMS-JM-GOV-17 | Going Viral | M1 | English | BMS | COM | 201600094 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-DAM-17 | Damage Control | M2 | English | BMS | COM | 201600095 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-FTC-17 | Facilitating Technological Change | M5 | English | BMS | COM | 201700001 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-TPP-17 | The Privacy Paradox | M6 | English | BMS | COM | 201700002 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-PMG-15 | Public Management | M5 | English | BMS | EPA | 201700105 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-ETS-18 | Evaluation of Tech-Society | M6 | English | BMS | EPA | 201700106 | 12) | 12) | 12) | 12) | 12) | 12) | 12) | 12) | | | | | 12) | 12) | 12) | 12) | 12) | 12) | 12) |
| BMS-JM-TOP-16 | Technology, Organizations and People | M1 | English | BMS | IBA | 201300006 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-BOM-16 | Business Operations Management | M2 | English | BMS | IBA | 201500307 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-SMEC-16 | Strategy, Marketing and Economics | M5 | English | BMS | IBA | 201600099 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-PLO-15 | Professional Learning in Organizations * | K2 | English | BMS | EST | 201500001 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-HPT-15 | Health Psychology & Applied Technology | M5 | English | BMS | PSY | 201600004 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-PLI-15 | Psychology in Learning & Instruction | M5 | English | BMS | PSY | 201400121 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-POS-15 | Psychology of Safety | M5 | English | BMS | PSY | 201600005 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-HFE-15 | Human Factors & Engineering Psychology | M6 | English | BMS | PSY | 201400123 | | | | | | | | | | | | | | | | | | | |
| BMS-JM-FFE-15 | Finance for Engineers | M5 | English | BMS | IEM | 201400056 | | | | | | | | | | | | | | | | | | | |
| TNW-JM-MEN-16 | Materials Science and Engineering | M6 | English | ST | AT | 201700097 | | | 13) | | | | | 13) | | | | | | | 13) | | 13) | | |
| TNW-JM-SMS-15 | Signals, Models & Systems | M5 | English | ST | AT/AP | 201700095 | | | | | | 14) | | | 14) | 14) | 14) | 14) | | | | 14) | | 14) | |
| TNW-JM-DMM-15 | Human Anatomy & Biomaterials* & ** | M1 | Dutch | ST | BE | 201700199 | 9) | | | | 9) | 9) | 9) | 9) | 9) | 9) | 9) | 9) | 9) | | | 9) | | 9) | |
| TNW-JM-KMD-15 | Microscopic Cancer Detection* & ** | M2 | Dutch | ST | BE | 201700220 | 15) | | | | 15) | 15) | 15) | 15) | 15) | 15) | 15) | 15) | 15) | | | 15) | 15) | 15) | |
| TNW-JM-CBT-15 | Creating Biological Tissues * & ** | M5 | Dutch | ST | BE | 201400224 | 16) | 16) | | 16) | | 16) | 16) | 16) | 16) | 16) | 16) | 16) | 16) | 16) | | 16) | 16) | 16) | 16) |
| TNW-JM-TPB-15 | Transport Phenomena in Biological Systems * | M6 | Dutch | ST | BE | 201500329 | 17) | 17) | | 17 | 17) | 17) | 17) | 17) | 17) | 17) | 17) | 17) | 17) | 17) | | 17) | | 17) | 17) |
| TNW-JM-HEA-17 | Health Economics & Accounting | M5 | English | ST | HS | 201400079 | | | | | | | | | | | | | | | | | | | |
| TNW-JM-KWO-17 | Clinical Scientific Research | M6 | Dutch | ST | HS | 201700268 | | | | | | | | | | | | | | | | | | | |
| TNW-JM-INP-15 | Industrial Processes ** | M5 | Dutch/English | ST | CHE | 201500098 | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | 18) | | 18) | 18) |
| TNW-JM-TPV-15 | Transport Phenomena | M6 | Dutch/English | ST | CHE | 201400162 | | | | | | 14) | | | 14) | 14) | 14) | 14) | | | | 14) | | | |
| TNW-JM-WIP-16 | Waves, Interference and Probability | M6 | English | ST | AP | 201500155 | | | | | | | | | | | | | | | | | | | |

| **Exclusion** | **Based on:** |
|---|---|
| | Overlap |
| | Not accessible |
| | Blocked by own programme |

**Admission requirements from offering programme:**

1) Maths A level and Physics A level.
2) UT Mathematics B1, B2, D1 and knowledge of liquid mechanics.
4) UT Mathematics A, B1, B2, C1, D1 and Statics .
5) Maths level A or equivalent.
6) UT Mathematics Track (first year).
7) UT Mathematics Track (first year) and basic knowledge of Matlab or get in touch with the applied mathematics bachelor coordinator.
8) Basic knowledge of programming and mathematics
9) VWO NT / NG + Physics (A-level: Maths, Physics, Chemistry).
10) Smart Technology in year 2.
11) Knowledge of differential- and difference equations.
12) Basic knowledge of social research methods.
13) Materials Science and Engineering as basic knowledge.
14) UT Mathematics Track (first year) and VWO Physics (A-level).
15) VWO NT or NG + Physics (A-level: Maths, Physics, Chemistry). Must have finished skills practicum (vaardighedenpracticum) and laboratory safety test (at the end of quartile 1A).
16) VWO NT or NG + Physics (A-level: Maths, Physics, Chemistry, Biology). Students have to have finished module 2 BMT (201100184).
17) VWO NT or NG + Physics (A-level: Maths, Physics, Chemistry) and UT Mathematics Track (first year).
18) A-level: Maths, Physics, Chemistry and the basics of thermodynamics

**Note: Use the minor code to register, use the module code to request more information in Osiris on the relevant module.**

* Limited amount of places available
** This module contains mathematics of the UT mathematics track. If you have already taken this mathematics, please contact your bachelor coordinator.