### Matrix of options join-in minors 2nd semester 2017-2018

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<th>Minor code</th>
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### Programmes

**Minor**

**ET**

**EMCS**

**BMS**

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

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**Exclusion Based on:**

- Overlap
- Not accessible
- Excluded by own program

**Admission requirements from offering programme:**

1. Matric A-level and have aptitude for technical sciences.
2. The student must have followed UT mathematics B1, B2 and Mechanics (module 1 Civil Engineering or similar).
3. The student must be acquainted with statistics and probability theory, and preferably have aptitude for technical sciences.
4. Only accessible to students who passed UT mathematics D2.
5. The student must have experience with programming.
6. The student must have advanced experience with programming.
7. The student must have followed the UT mathematics track (first year) and have sufficient knowledge about electrical circuits (e.g. by having followed module 3 from EE).
8. The student must have followed the UT mathematics track (first year).
9. Only accessible to students who have followed the UT mathematics track (first year) and did not follow the course Electricity and Magnetism (Applied Physics) or anything similar.
10. The student must understand the subjects from the UT mathematics track (first year), in particular linear algebra.
11. The student must have knowledge about descriptive statistics (scale construction, data collection and factor analysis) and basic knowledge of the software program SPSS.
12. The student must be able to carry out a limited literature review, must have knowledge of qualitative research designs, interview techniques, qualitative data analysis and must be able to work with the program ATLAS.ti.
14. Only suitable for students who have prior knowledge about technical sciences and sufficient mathematical insight.
15. Only suitable for students from technical studies who have sufficient knowledge about the basic principles of physical transport phenomena and have followed an introductory course in process engineering.
16. Only suitable for students with prior knowledge about technical sciences and sufficient mathematical insight. Also, prior knowledge about materials engineering is required.
17. Network Systems is only accessible to students who have not followed the module Network Systems (M7a). Material Science & Technology is only accessible to students who have not followed the module Device Physics (M7a).
18. BA students who did not choose one of these modules as an elective yet, can choose 1 of these 3 modules as a minor.
19. The student can only follow this module if it is part of the admission requirements for the Master program. Please contact your study advisor.