



INATECH
DEPARTMENT OF SUSTAINABLE
SYSTEMS ENGINEERING

Overview of M.Sc. SSE courses offered by INATECH which are available with restrictions to exchange students (ERASMUS, free mover etc.)

All other M.Sc.-SSE-courses are available to exchange students without restrictions - subject to change. However, only students who are enrolled in an engineering Master program at their home university can attend Master courses of the M.Sc. Sustainable Systems Engineering program in Freiburg. Note that this overview only includes courses offered by INATECH. It does not include courses offered by other departments and faculties of the University of Freiburg offered within the M.Sc. SSE program. If exchange students are interested in such courses, they should contact the respective departments.

Name of course	Restriction/condition
Computational Modeling with Matlab	not available for exchange students
Energy System Modeling with Python	not available for exchange students
Power Electronics for E-Mobility	not available for exchange students
Continuum mechanics I with exercises	exam must be taken at official examination date
Continuum mechanics II with exercises	exam must be taken at official examination date
Energy Efficient Power Electronics	exam must be taken at official examination date
Energy System Operations	exam must be taken at official examination date
Functional Safety, Security and Sustainability: Active Resilience	exam must be taken at official examination date
Industrial Manufacturing and Application of Solar Cells and Modules	exam must be taken at official examination date
Master's Project SSE	exam must be taken at official examination date
Materials Selection for Sustainable Engineering	exam must be taken at official examination date
Operations Research for Energy Systems	exam must be taken at official examination date
Photovoltaic Lab	exam must be taken at official examination date; max. 2 spots available
Quantification of Resilience	exam must be taken at official examination date
Resilience of Supply Networks	exam must be taken at official examination date
Structural Robustness: Resilient Designs	exam must be taken at official examination date

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