





The degree programme consists of 120 Credit Points (CP) in total:

Mandatory Subject Area: 6-37 CP 
Compulsory Elective Subject Area: 41-72 CP 
Interdisciplinary Elective Area: 12 CP 
Research/Thesis: 30 CP 

Languages of Tuition:
GERMAN & ENGLISH
certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt. For the latest update, please check www.es.e.tu-darmstadt.de:

1 st semester	2 nd semester	3 rd semester	4 th semester
<p>Basic Modules* (0-31 CP)</p> <p><i>Choice from:</i></p> <ul style="list-style-type: none"> • Introduction to Business Management • Introduction to Innovation Management • Introduction to Entrepreneurship • Introduction to Project Management • Introduction to Economics • Industrial Organization • Chemistry for Energy Scientists and Engineers • Materials Science for Renewable Energy Systems • Energy Technologies in Civil Engineering and Architecture • Energy Technologies in Mechanical Engineering • Fundamentals of Electrical Engineering and Power System 	<p>Interdisciplinary Energy Project IEP (6 CP)</p> <p>Compulsory Elective Courses** (41-72 CP)</p> <p>Subject Areas:</p> <ul style="list-style-type: none"> • Energy - Construction - Infrastructure • Energy-efficient Mobility and Transport concepts • Materials for Energy-related Processes • Renewable Energies and Technologies • Multimodal Energy Systems and Sustainability Impact Assessment • Future Power Plant Technologies • (Cross-sectional topics in Energy Science and Technology) <i>cannot be chosen as a specialization</i> 		<p>Master Thesis (30 CP)</p>
		<p>Elective Courses (12 CP)</p> <p>Modules from the catalogues of TU Darmstadt as well as specially compiled catalogs</p>	

* Which basic modules are to be taken will be assigned by the examination board of the study area according to the individual previous knowledge.

** At least 20 CP in one subject area (first specialization).
The choice of a second specialization is possible by earning at least 20 CP in another subject area.

Study Programmes
www.tu-darmstadt.de/studieren

Course Schedule
www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)
www.tu-darmstadt.de/international

Zentrale Studienberatung und -orientierung ZSB
(Central Student Advisory and Orientation Office)

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Energy Science and Engineering Master of Science



Brief Description

In the course of the interdisciplinary Master of Science programme Energy Science and Engineering, complementary fields of engineering and natural sciences are linked towards the topics of energy research and energy technology. Apart from examining regenerative energies and the more efficient utilisation of conventional energy sources, the social framework will also be included in the studies. The programme can be adjusted to the students' individual interests by focusing on two selected key topics. A mentor system will provide guidance and support. During the programme, it is possible to study abroad.

www.energy.tu-darmstadt.de

Admission

For information on application deadlines please refer to www.tu-darmstadt.de/bewerbung

www.tu-darmstadt.de/application

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