

Mechatronics (M.Sc.) - Effective 01 October 2014

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

Mandatory Subject Area: 31-34 CP ■
Elective Subject Area: 44-47 CP ■
General Studies: 12 CP ■
Research/Thesis: 30 CP ■

Language of Tuition:
GERMAN
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:

1st semester	2nd semester	3rd semester	4th semester
Microtechnical Systems* (min. 4 CP, max. 5 CP)	Real Time Applic.and Communic. with Microcontrollers and programm. Logic Devices (4 CP)	Dynamic Systems** (min. 4 CP, max. 6 CP)	Master's Thesis (30 CP)
Applied Product Development (4 CP)	System Dynamemics and Automatic Control Systems II (7 CP)		
	Digital Control Systems I (4 CP)		
	Modelling and Simulation (4 CP)		
Elective Subject Area (44 - 47 CP)			
Modules from the Elective Subject Areas: Electrical Engineering and Information Technology <i>and</i> Mechanical Engineering as well as ADP, seminars, internships and InfINat. The relevant catalogues can be found within the Degree Programme Guidelines.			
Studium Generale (12 CP)			
Specific modules from the departments 1, 2, 3, 15 as well as the Language Resource Centre and certain modules from other departments.			

* Electromechanical Systems I or Microsystem Technology

** System Dynamics and Automatic Control Systems III or Advanced Structural Dynamics

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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Mechatronics Master of Science

Mechatronik (M.Sc.)



TECHNISCHE
UNIVERSITÄT
DARMSTADT



ZENTRALE
STUDIENBERATUNG
UND -ORIENTIERUNG



FACHBEREICH
MASCHINENBAU

et:it

Fachbereich
Elektrotechnik und
Informationstechnik

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Brief Description

The interdisciplinary Master of Science programme Mechatronics deepens and expands the skills and knowledge about designing and producing integrated mechanical-electronic systems with automated and intelligent functions acquired in the Bachelor's degree programme. For this purpose, Electrical Engineering and Information Technology, Precision Mechanics, Mechanical Engineering and Informatics are combined in an interdisciplinary course of study. The programme focuses on a particularly practical and research-oriented approach, which will be guaranteed by the Advanced Research Project, an internship, the internship module, and applied courses.

www.mechatronik.tu-darmstadt.de

Admission

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