

## Module Handbook

TUK MODHB Homepage

# Course of Study "Business Administration and Engineering specialising in Mechanical Engineering (2022)" (M.Sc.)

[WIW-88.-SG#2022]

Department	[WIW] Wirtschaftswissenschaften
Degree	[M.Sc.] Master (M.Sc.)
Course of Study	Business Administration and Engineering specialising in Mechanical Engineering (2022)
Version	2022
Short Name	M.Sc. Business Administration and Engineering specialising in Mechanical Engineering (2022)
State	[ANL] Start-Up Period
Additional informations	<a href="#">Homepage of the Course of Study</a>

The exam week is included in the attendance time as the 15th week/semester.

### Section *Research Methods*

Fundamentals

Quantitative or qualitative methods must be selected.

WP WIW-KM-QLM-M-5 Qualitative Methods 4.0 CP

WP WIW-KM-QTM4-M-6 Quantitative Methods 4.0 CP

### Section *Profile Area of Economic Sciences (Electives)*

Specialisation

One specialization must be chosen. At least 22 LPs are to be acquired in the specializations, whereby four LPs must be completed in the form of a seminar belonging to one of the specializations.

## Management

WP	WIW-MKT-MPOOL-7	Field of Specialization: Marketing Management	[3.0 - 6.0] CP
WP	WIW-SIC-MPOOL-7	Field of Specialization: Strategy, Innovation and Cooperation	[4.0 - 9.0] CP
WP	WIW-MDT-MPOOL-7	Field of Specialization: Managing the Digital Transformation	[4.0 - 4.5] CP
WP	WIW-SMG-MPOOL-7	Field of Specialization: Sustainability Management	[4.0 - 9.0] CP
WP	WIW-EPS-MPOOL-7	Field of Specialization: Entrepreneurship	[3.0 - 6.0] CP
WP	WIW-HRMOB-MPOOL-7	Field of Specialization: Human Resource Management and Organizational Behavior	[4.0 - 9.0] CP

## Accounting and Finance

WP	WIW-CON-MPOOL-7	Field of Specialization: Management Accounting	[4.0 - 9.0] CP
WP	WIW-FUB-MPOOL-7	Field of Specialization: Finance and Banking Management	[4.0 - 4.5] CP
WP	WIW-SWP-MPOOL-7	Field of Specialization: Taxation and Auditing	

## Intelligence, Logistics and Operations

WP	WIW-LOG-MPOOL-7	Field of Specialization: Logistics	[4.0 - 4.5] CP
WP	WIW-POM-MPOOL-7	Field of Specialization: Produktionsmanagement	[4.0 - 9.0] CP
WP	WIW-WIN-MPOOL-7	Field of Specialization: Business Information Systems & OR	[4.0 - 6.0] CP

## Economics and Sustainability

WP	WIW-EIE-MPOOL-7	Field of Specialization: Environmental and Industrial Economics	[4.0 - 4.5] CP
WP	WIW-ET-MPOOL-7	Field of Specialization: Economic Theory	[4.0 - 4.5] CP
WP	WIW-FE-MPOOL-7	Field of Specialization: Financial Economics	[4.0 - 6.0] CP

## Section *Field of Study: Mechanical Engineering*

Specialisation

Measurement and control engineering is a mandatory module.

In addition, modules of 30 LC the non-selected Bachelor elective modules, all modules from the competence field modules of the Bachelor degree program in Mechanical Engineering as well as from the compulsory or elective modules of the following six Master degree programs (and the prerequisite Bachelor modules, see module manual for the Department of Mechanical Engineering).

- Product development in mechanical engineering
- Computational Engineering
- Automotive Engineering
- Materials science and materials engineering
- Production Engineering
- Mechanical engineering with applied computer science

P MV-MTS-23-M-4 Measurement and control Theory 8.0 CP

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### Section *Free Selectables*

Free Elective Area

Modules from the research methods and/or profile areas Bachelor of Business Administration in the scope of 10 LP are to be chosen.

WP WIW-FW-MPOOL-6 Master: Free selectables [3.0 - 9.0] CP

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### Section *Economic Internship*

Internship / Occupational Modules

P WIW-WPRAK-M-6 Economic Internship 9.0 CP

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### Section *Research Project*

Compulsory Modules

P WIW-FPJ12-M-6 Research Project 12.0 CP

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### Section *Master Thesis and Colloquium*

Thesis

P WIW-MASAR25-M-6 Master Thesis 25.0 CP

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