

**Unofficial translation** of the Degree Program and Examination Regulations published in Amtliche Mitteilungen der Philipps-Universität Marburg (No. 24/2025) on April 10, 2025.  
Translated with DeepL on November 14, 2025.

## **Second amendment dated February 19, 2025**

**Second amendment dated February 19, 2025 to the degree program and examination regulations for the degree program "Business Informatics" leading to the degree "Master of Science (M.Sc.)" at Philipps-Universität Marburg dated January 25, 2023 in the version dated March 13, 2024 (Amt.Mit. 20/2024)**

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The Departmental Council of the Department of "Mathematics and Computer Science" at Philipps-Universität Marburg in accordance with § 50 (1) of the Hessian Higher Education Act (HessHG) in the version of December 14, 2021 (GVBl, p. 931), last amended by Article 1 of the Act dated October 10, 2024 (GVBl. 2024 No. 56), has adopted the following amendment to the degree program and examination regulations on February 19, 2025:

### **Article 1**

#### **1. § 2 is amended as follows:**

##### **§ 2 Goals of the degree program**

After completing the Master's degree program in "Business Informatics," graduates will have the necessary specialist knowledge, skills and methods in business informatics, computer science and business administration to work independently at an advanced level in accordance with scientific principles, taking into account the requirements and changes in the increasingly digital professional world (business, industry, public service). They can analyze and critically assess modern scientific knowledge from these areas and independently develop scientifically sound solutions to problems. They have deepened and expanded the knowledge and skills they acquired during their Bachelor's degree and have an overview of the subject-specific contexts of business informatics.

In order to achieve these goals, the Master's degree program consists of specializations in business informatics, computer science, business administration and applied mathematics. Graduates have acquired specialized knowledge and skills by setting individual focuses, through an introduction to independent academic work, the study of current research literature and the preparation of an individual master's thesis in which a research-related problem from business informatics is academically investigated and a solution approach is developed. The graduates also became acquainted with concrete applications through the project-oriented parts of the study program; these also strengthened their social skills and encouraged their motivation for intrinsic learning.

Graduates of the Master's degree program in "Business Informatics" are not restricted to a specific job profile, also due to their ability to think abstractly and their trained conceptual, analytical and logical thinking. They have acquired the necessary skills

- to work independently as Business Informatics specialists in industry and business, particularly in banks, insurance companies and consulting firms, which are undergoing transformation due to globalization and digitalization,

- to manage projects that involve analyzing, modeling and solving scientific or economic problems,
- for planning and development tasks in agile academic and public institutions,
- to work as a research assistant at a university,
- for access to a doctorate.

## **2. § 4 is amended as follows:**

### **§ 4 Admission requirements**

(1) The general admission requirement for the Master's degree program is proof of completion of a relevant Bachelor's degree program in the fields of Business Informatics, Computer Science or Business Administration or proof of a comparable domestic or foreign professionally qualifying university degree. The professionally qualifying university degree must have been passed with an overall grade of 3.2 or 7.3 grade points or better in accordance with § 28.

As part of the completed degree program or another degree program, a total of at least 90 LP must have been completed in modules from business informatics, computer science, mathematics and business administration. Of these, at least 18 LP must have been completed in the fields of business informatics and business administration, at least 18 LP in the field of mathematics and at least 30 LP in the field of computer science. Furthermore, 6 LP must have been earned through acquiring competences within in the modules Information Management and either Introduction to Management or Decision Theory and Finance and either 9 LP through acquiring competences in the module Object-Oriented Programming or 6 LP through acquiring competences in the module Software Engineering, as well as at least the specified number of credit points through competences in at least 3 of the modules: Introduction to Statistics (6 LP), Operations Research (9 LP), Algorithms and Data Structures (9 LP), Database Systems (9 LP) and either Basic Real Analysis (9 LP) or Basic Linear Algebra (9 LP). It is strongly recommended that students acquire the competences from the above modules, which have not already been acquired, on their own responsibility before commencing their studies.

If no degree certificate with an overall grade is available by the application deadline yet, enrollment may be conditional. In the case of an underlying Bachelor's degree program with a scope of 180 credit points, the prerequisite is that proof of passed module examinations or partial module examinations amounting to at least 80% of the credit points required for the relevant Bachelor's degree is provided. The proof must include an average grade determined on the basis of the graded module examinations and partial module examinations within the scope of the 80% of the credit points required for the Bachelor's degree. Enrollment can only take place subject to the proviso that all course work and examinations for the Bachelor's degree program have been completed before the start of the Master's degree program (deadline March 31 if the Master's degree program starts in the summer semester or deadline September 30 if the Master's degree program starts in the winter semester) and that proof of the degree certificate is submitted by the end of the lecture period of the first semester.

(2) The eligibility assessment committee appointed by the departmental council in accordance with § 2 of Appendix 6 "Special admission requirements" shall decide on the question of the relevance of the previous studies within the meaning of (1).

(3) The question of the comparability of the university degree within the meaning of (1) shall be decided by the eligibility assessment committee appointed by the departmental council in accordance with § 3 of Appendix 5 "Special Admission Requirements". The eligibility assessment committee also decides on the existence of the required credit points in accordance with (1) sentences 3 to 5.

(4) The modules and courses of the degree program are generally offered in English. A German-language offer is possible as an exception if all students of the module or course so wish. The coursework and examinations can be taken in either German or English at the student's discretion. Optional offers and compulsory elective areas may include import modules from Bachelor's degree programs or other departments in German, so that the choice may be limited here.

The special admission requirements are: Proof of either

- a) English language proficiency at least at level C1 of the "Common European Framework of Reference for Languages" by means of a language certificate from one of the following internationally recognized language examinations:

Language certificate	Result
International English Language Testing System (IELTS) <sup>1</sup>	7.0, 7.5, 8.0
Test of English as a Foreign Language (TOEFL)	
TOEFL iBT	95 - 120
TOEFL PBT	627 - 677
TOEFL ITP Level 1	627 - 677
Cambridge English Language Assessment <sup>1</sup>	Cambridge First Certificate in English + Grade A (FCE) Certificate of Advanced English + Grade B or C (CAE) Cambridge English: Business Higher (BEC Higher)
Pearson PTE Academic	76 - 84
Test of English for International Communication (TOEIC) <sup>2</sup>	
TOEIC Listening and Reading Test	945 - 990
TOEIC Speaking Test	180 - 200
TOEIC Writing Test	180 - 200
telc	telc C1 certificate
UNlcert	UNlcert III
Cambridge IGCSE <sup>3</sup>	
IGCSE 1st Language	with average C1
IGCSE 2nd Language	with average C1

<sup>1</sup>If the score and CEFR level are given at the same time, the CEFR level is always used.

<sup>2</sup>All 4 modules (possibly completed as a double module) must be provided for.

<sup>3</sup>All 4 individual examinations of the IGCSE 1st Language or the IGCSE 2nd Language must have been taken and passed.

or

- b) English language proficiency at least at level B1 of the "Common European Framework of Reference for Languages" and German language proficiency at least equivalent to the "DSH-2" language examination.

(5) In addition to the general admission requirements for the degree program, participation in individual modules or parts of modules may be made dependent on the fulfillment of specific module admission requirements.

In this case, the prerequisites are listed in the module list (Appendix 2) under "Prerequisites for participation".

### 3. § 6 is amended as follows:

#### § 6 Degree program: Structure, content, curriculum and information

(1) The Master's degree program in "Business Informatics" is divided into the study areas Compulsory Elective Modules in Business Administration, Compulsory Elective Modules in Computer Science and Mathematics, Compulsory Elective Modules in Business Informatics, Practical and Seminar Modules and Final Module.

(2) The degree program consists of modules that are assigned to the various study areas in accordance with (1). The following program structure results from the assignment of the modules, the degree to which they are compulsory and the calculated student workload in credit points (LP):

	Compulsory [PF] / Compulsory Elective [WP]	Credit points	Comment
<b>Compulsory Elective Modules in Business Administration</b>		<b>18</b>	
<i>Modules from the M.Sc. Betriebswirtschaftslehre*</i>	WP	18	**
<b>Compulsory Elective Modules in Computer Science and Mathematics</b>		<b>24-30</b>	
Cloud Computing	WP	6	
<i>Import modules from mathematics or computer science with content or methodological reference to the subject area of business informatics*, ***, ****</i>	WP	0-30	
<b>Compulsory Elective Modules in Business Informatics</b>		<b>18-24</b>	
Advanced Issues of Sales and Marketing	WP	6	
Advanced Topics of Information Systems in Manufacturing	WP	6	
Applications of Artificial Intelligence in Business	WP	6	
Project Management for Software Development	WP	6	
Specialization Module Business Systems	WP	6	
Specialization Module Design and Operation of Information Systems	WP	6	
Specialization Module Digital Transformation	WP	6	
Specialization Module Information Management	WP	6	
Specialization Module Knowledge Management and Collaborative Technologies	WP	6	
Specialization Module Model-based Decision Support, Business Intelligence & Analytics	WP	6	
Specialization Module Process Management	WP	6	
<i>Import modules with content or methodological reference to the subject area of Information Systems*, ***, ****</i>	WP	0-24	

<b>Practical and Seminar Modules</b>		<b>24-27</b>	
Selected Advanced Topics in Business Informatics (Seminar)	WP	3	at least one module, maximum 6 LP *****
Selected Advanced Topics in Computer Science (Seminar)*	WP	3	
<i>Seminar module from the M.Sc. in Betriebswirtschaftslehre*</i>	WP	6	
Project Work Business Informatics	PF	12	
Independent Scientific Practice Business Informatics	PF	9	
<b>Final Module</b>		<b>30</b>	
Master Thesis	PF	30	
<b>Total</b>		<b>120</b>	

\* Import module according to Appendix 3 Import module list.

\*\* In the area Compulsory Elective Modules in Business Administration, all modules from the same business administration specialization must be selected.

\*\*\* In the two areas Compulsory Elective Modules in Computer Science and Mathematics and Compulsory Elective Modules in Business Informatics, a maximum total of 18 LP may be acquired in advanced modules in Computer Science and Business Informatics.

\*\*\*\* In the area of Compulsory Elective Modules in Computer Science and Mathematics, a maximum of 9 LP may be earned in mathematics modules. It is recommended to complete one such module.

\*\*\*\*\* A seminar must be completed in the department in which the master's thesis is to be completed.

(3) In the study area Compulsory Elective Modules in Business Administration, modules are offered in the three specializations Accounting and Finance, Market-Oriented Management and Information and Innovation Management (see Appendix 3). The Accounting and Finance specialization provides students with in-depth application skills as well as the ability to further develop solution approaches in the area of internal and external accounting as well as decision and investment theory. The Market-Oriented Management specialization provides students with in-depth application skills and the ability to further develop solution approaches in the area of a market-oriented perspective on companies. The Information and Innovation Management specialization provides students with in-depth application skills and the ability to further develop solution approaches in the area of a resource-based perspective on companies.

(4) In the Compulsory Elective Modules in Computer Science and Mathematics study area, students take modules in computer science and mathematics according to their own interests, thereby deepening and broadening their skills and knowledge from the Bachelor's degree program.

(5) In the Compulsory Elective Modules in Business Informatics study area, students expand and deepen their knowledge and skills in business informatics and have the opportunity to acquire competences in sub-areas of business informatics that have not yet been taken in order to broaden their own profile.

(6) In the study area Practical and Seminar Modules, students deepen their practice-oriented academic skills. They practice the skills essential for business informatics specialists to carry out a research project in a group, usually involving the modeling, implementation and management of a comprehensive software project. In addition, one or two compulsory elective modules serve to further develop the profile, whereby students learn to compare and evaluate research results. In the Independent Scientific Practice Business Informatics module, students learn and practice techniques of scientific work in business informatics. The module

also prepares students for the Master's thesis and it is recommended that they complete it with the prospective advisor of the Master's thesis.

(7) The exemplary sequence of the modularized degree program is shown in the degree program curriculum (see Appendix 1).

(8) General information and regulations in their current form can be found on the degree program website at

<https://www.uni-marburg.de/de/fb12/studium/studiengaenge/m-sc-wirtschaftsinformatik>

In particular, the module handbook and the degree program curriculum can also be viewed there. Furthermore, a list of the current import and export offers of the degree program is published.

(9) The assignment of the individual courses to the modules of the degree program can be found in the course catalog of the Philipps-Universität Marburg, which is available on the university's website.

4. Appendix 2 is amended as follows:

## Appendix 2: Module list

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
<b>Compulsory Elective Modules in Computer Science And Mathematics</b>						
CS 514 <b>Cloud Computing</b> <i>Cloud Computing</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- can describe the basic concepts of cloud computing,</li> <li>- can create software that runs in the cloud,</li> <li>- can design cloud infrastructures and tools,</li> <li>- are able to apply scientific working methods to independently identify, formulate and solve problems,</li> <li>- are able to speak freely about academic content, both in front of an audience and in a discussion.</li> </ul>	None.  The competences taught in the modules Object-Oriented Programming, Algorithms and Data Structures, Operating Systems, Computer Networks, Distributed Systems are recommended.	<u>Coursework:</u> Reaching at least 50 percent of the points from the exercises to be completed each week and oral presentation of the solution to at least two of the exercises.  <u>Examination:</u> Oral examination (individual examination) or written exam ( <i>Klausur</i> )
<b>Compulsory Elective Modules in Business Informatics</b>						
CS 633 <b>Advanced Issues of Sales and Marketing</b> <i>IT-Vertrieb und Marketing in einer digitalisierten Welt</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- can describe the basics and processes in technology sales with a focus on information technology,</li> <li>- can describe and demonstrate with so-called 'best practices' from the industry how effective and efficient product sales can be realized,</li> <li>- are able to describe models for mass sales as well as for complex technology sales of capital goods,</li> <li>- are able to explain how technological progress with a focus on the Internet enables completely new sales scenarios,</li> <li>- can apply these skills in the form of a practical case study.</li> </ul>	None.  Basic business administration competences as taught in the business administration basic modules are recommended.	<u>Two partial examinations:</u> Term paper (weighting: 3 LP) and presentation (weighting: 3 LP).
CS 675 <b>Advanced Topics of Information Systems in Manufacturing</b> <i>Ausgewählte Schwerpunkte der Wirtschaftsinformatik in der Fertigungsindustrie</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- are able to describe the structural change to the information society and identify basic elements of hybrid added value,</li> <li>- can explain the basics of PLM and associated aspects of economic efficiency,</li> <li>- are proficient in modeling business processes with BPMN, key figures for evaluating and controlling processes as well as approaches for designing operational information systems and can apply central aspects of IT controlling for the above-mentioned context.</li> </ul>	None.	<u>Two partial examinations:</u> Written exam ( <i>Klausur</i> ) (3 LP) and presentation of project results (3 LP).

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
CS 618 <b>Applications of Artificial Intelligence in Business</b> <i>Anwendungen Künstlicher Intelligenz in Unternehmen</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- can explain basic concepts and methods of artificial intelligence,</li> <li>- can describe and evaluate the benefits of AI for companies,</li> <li>- can identify suitable AI methods for defined business processes for support and automation,</li> <li>- can independently design AI solutions for simple problems and given data sets and implement prototypes with the help of standard libraries.</li> </ul>	None.  The competences taught in the modules Object-Oriented Programming and Algorithms and Data Structures are recommended.	<b>Coursework:</b> Reaching at least 50 percent of the points from the exercises to be completed each week and oral presentation of the solution to at least two of the exercises.  <b>Examination:</b> Software creation (3 LP) and either oral examination (individual examination, 3 LP) or written exam ( <i>Klausur</i> ) (3 LP).
CS 630 <b>Project Management for Software Development</b> <i>Projektmanagement für Software-Entwicklungsprojekte</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- can describe what makes a good project manager and what the success factors for good project management are,</li> <li>- can explain classic project management topics that are important for the successful implementation of large and small software projects in business,</li> <li>- can show the difference between classic and agile process models and compare their areas of application,</li> <li>- can describe the tools of a project manager for planning and controlling, quality and risk management,</li> <li>- can estimate realistic expenses and know the framework conditions to be observed,</li> <li>- can name the personal skills of a project manager that are necessary to lead a project to success,</li> <li>- can describe the legal framework conditions that are relevant for a project manager,</li> <li>- can describe project management patterns that fill a project manager's toolbox,</li> <li>- are familiar with the various tools and can assess their effect in specific situations and typical problems.</li> </ul>	None.  The competences taught in the module Software Engineering are recommended.	<b>Coursework:</b> Reaching at least 50 percent of the points from the exercises to be completed each week and oral presentation of the solution to at least two of the exercises.  <b>Examination:</b> Oral examination (individual examination) or written exam ( <i>Klausur</i> )
CS 634 <b>Specialization Module Business Systems</b> <i>Vertiefungsmodul Betriebliche Kernsysteme</i>	6	Compulsory elective module	Specialization module	The students <ul style="list-style-type: none"> <li>- can explain more complex concepts in the area of core business systems and apply advanced methods in this area,</li> <li>- can explain the theory of core business systems and describe selected applications,</li> <li>- are able to apply working methods from business informatics,</li> <li>- can report on current research results and interact with research literature,</li> </ul>	None.  The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the	<b>Coursework:</b> Reaching at least 50 percent of the points from the weekly exercises to be completed.  <b>Examination:</b> Written exam ( <i>Klausur</i> ) or

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
				- are able to speak freely about academic content, both in front of an audience and in a discussion.	respective topic) are recommended.	oral examination (individual examination)
CS 636 <b>Specialization Module Design and Operation of Information Systems</b> <i>Vertiefungsmodul Entwicklung und Betrieb von Informationssystemen</i>	6	Compulsory elective module	Specialization module	The students - can explain more complex concepts in the area of development and operation of information systems and apply advanced methods in this area, - can explain the theory of the area of development and operation of information systems and describe selected applications, - are able to apply working methods from business informatics, - can report on current research results and interact with research literature, - are able to speak freely about academic content, both in front of an audience and in a discussion.	None.  The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the respective topic) are recommended.	<u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises to be completed.  <u>Examination:</u> Written exam ( <i>Klausur</i> ) or oral examination (individual examination)
CS 635 <b>Specialization Module Digital Transformation</b> <i>Vertiefungsmodul Digitale Transformation</i>	6	Compulsory elective module	Specialization module	The students - can explain more complex concepts in the area of digital transformation and apply advanced methods in this area, - can explain the theory of digital transformation and describe selected applications, - are able to apply working methods from business informatics, - can report on current research results and interact with research literature, - are able to speak freely about academic content, both in front of an audience and in a discussion.	None.  The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the respective topic) are recommended.	<u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises.  <u>Examination:</u> Written exam ( <i>Klausur</i> ) or oral examination (individual examination)
CS 637 <b>Specialization Module Information Management</b> <i>Vertiefungsmodul Informationsmanagement</i>	6	Compulsory elective module	Specialization module	The students - can explain more complex concepts in the area of information management and apply advanced methods in this area, - can explain the theory of the field of information management and describe selected applications, - are able to apply working methods from business informatics, - can report on current research results and interact with research literature, - are able to speak freely about academic content, both in front of an audience and in a discussion.	None.  The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the respective topic) are recommended.	<u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises to be completed.  <u>Examination:</u> Written exam ( <i>Klausur</i> ) or oral examination (individual examination)
CS 640 <b>Specialization Module Knowledge Management and Collaborative Technologies</b>	6	Compulsory elective module	Specialization module	The students - can explain more complex concepts in the area of knowledge management and collaborative technologies and apply advanced methods in this area, - can explain the theory of knowledge management and collaborative technologies and describe selected applications, - are able to apply working methods from business informatics,	None.  The competences taught in the basic modules on Practical Computer Science and, if applicable, in	<u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises to be completed.  <u>Examination:</u>

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
<i>Vertiefungsmodul Wissensmanagement und kollaborative Technologien</i>				<ul style="list-style-type: none"> <li>- are able to report on current research results and interact with research literature,</li> <li>- are able to speak freely about academic content, both in front of an audience and in a discussion.</li> </ul>	advanced modules (in relation to the respective topic) are recommended.	Written exam ( <i>Klausur</i> ) or oral examination (individual examination)
CS 638 <b>Specialization Module Model-based Decision Support, Business Intelligence &amp; Analytics</b> <i>Vertiefungsmodul Modellbasierte Entscheidungsunterstützung, Business Intelligence &amp; Analytics</i>	6	Compulsory elective module	Specialization module	<p>The students</p> <ul style="list-style-type: none"> <li>- can explain more complex concepts in the area of model-based decision support, business intelligence &amp; analytics and apply advanced methods in this area,</li> <li>- can explain the theory of model-based decision support, business intelligence &amp; analytics and describe selected applications,</li> <li>- are able to apply working methods from business informatics,</li> <li>- can report on current research results and interact with research literature,</li> <li>- are able to speak freely about academic content, both in front of an audience and in a discussion.</li> </ul>	<p>None.</p> <p>The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the respective topic) are recommended.</p>	<p><u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises to be completed.</p> <p><u>Examination:</u> Written exam or oral examination (individual examination)</p>
CS 639 <b>Specialization Module Process Management</b> <i>Vertiefungsmodul Prozessmanagement</i>	6	Compulsory elective module	Specialization module	<p>The students</p> <ul style="list-style-type: none"> <li>- can explain more complex concepts in the area of process management and apply advanced methods in this area,</li> <li>- can explain the theory of process management and describe selected applications,</li> <li>- are able to apply working methods from business informatics,</li> <li>- can report on current research results and interact with research literature,</li> <li>- are able to speak freely about academic content, both in front of an audience and in a discussion.</li> </ul>	<p>None.</p> <p>The competences taught in the basic modules on Practical Computer Science and, if applicable, in advanced modules (in relation to the respective topic) are recommended.</p>	<p><u>Coursework:</u> Reaching at least 50 percent of the points from the weekly exercises to be completed.</p> <p><u>Examination:</u> Written exam (<i>Klausur</i>) or oral examination (individual examination)</p>
<b>Practical and Seminar Modules</b>						
CS 612 <b>Selected Advanced Topics in Business Informatics ("Seminar")</b> <i>Ausgewählte fortgeschrittene Themen der Wirtschaftsinformatik („Seminar“)</i>	3	Compulsory elective module	Profile module	<p>Students are able to</p> <ul style="list-style-type: none"> <li>- work independently on a special topic in business informatics,</li> <li>- work independently and in an advanced academic manner,</li> <li>- prepare and divide up contexts in business informatics and supplement them with explanatory content,</li> <li>- interact with scientific literature and its search,</li> <li>- give a structured presentation tailored to the competences of the audience,</li> <li>- handle presentation media in an advanced manner,</li> <li>- lead structured discussions in groups on business informatics content.</li> </ul>	<p>None.</p> <p>Previous knowledge in relation to the subject focus of the seminar, but generally knowledge from the basic modules of computer science and mathematics is recommended.</p>	<p><u>Two partial examinations:</u> Seminar presentation (weighting: 1 LP) Written elaboration (weighting: 2 LP)</p>
CS 689 <b>Independent Scientific Practice Business Informatics</b>	9	Compulsory module	Profile module	<p>The students,</p> <ul style="list-style-type: none"> <li>- are able to independently review and expand the state of knowledge in an academic field of business informatics on the</li> </ul>	<p>None.</p> <p>The competences taught in the advanced</p>	<p><u>Examination:</u> Written elaboration</p> <p><b>Ungraded module</b></p>

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
<i>Selbstständiges wissenschaftliches Arbeiten Wirtschaftsinformatik</i>				<p>basis of recommended literature and to familiarize themselves with the current state of research,</p> <ul style="list-style-type: none"> <li>- are able to compare research results with regard to quantitative and qualitative criteria,</li> <li>- can carry out literature searches using subject-specific methods,</li> <li>- are able to use systems that support academic work in the area of the master's thesis.</li> </ul>	and specialization modules are recommended.	
<p>CS 688</p> <p><b>Project Work Business Informatics</b> <i>Projektarbeit Wirtschaftsinformatik</i></p>	12	Compulsory module	Practical module	<p>The students</p> <ul style="list-style-type: none"> <li>- can work on a comprehensive task from business informatics in a team of several students. This includes preparation, adaptation, extension and development of problem-relevant methods,</li> <li>- can learn, plan and work independently,</li> <li>- are practiced in project management and monitoring methods, e.g.: target descriptions, planning, milestones, record keeping, dates, delegation, controlling,</li> <li>- have team-related social skills: cooperation, team development, leadership, motivation, well-structured team of employees, working under deadline pressure,</li> <li>- are proficient in methods of documentation and presentation of IT projects for users and third parties in the form of program documentation, project reports and, if applicable, publications.</li> </ul>	None.	<p><u>Examination:</u> Software creation (the term software includes all artifacts created, in particular the program code, planning documents, user and developer manuals and presentation material).</p> <p><b>Ungraded module</b></p>
<b>Final Module</b>						
<p>CS 690</p> <p><b>Master Thesis</b> <i>Masterarbeit</i></p>	30	Compulsory module	Final module	Students are able to work on a comprehensive task from the field of Business Informatics using academic methods under supervision and to present a thesis and the results contained therein appropriately in writing and orally.	Admission to the Master's thesis requires that at least 12 LP have been acquired in the Compulsory Elective Modules in Business Administration study area and that the modules "Independent Scientific Practice Business Informatics" and a seminar module have been passed and completed in the same department as the Master's thesis. A total of at least 66 LP must have been acquired in	<p><u>Two partial examinations:</u> Master's thesis (weighting: 27 LP) and disputation (weighting: 3 LP).</p>

Module name <i>German translation</i>	LP	Degree of obligation	Level	Qualification goals	Prerequisites for participation*	Requirements for the awarding of LP
					the modules of the Master's degree program.	

\* Module references in the column "Prerequisites for participation" were translated from German automatically. For original module names, please refer to the original Degree Program and Examination Regulations published in Amtliche Mitteilungen der Philipps-Universität Marburg (No. 24/2025) on April 10, 2025.

## 5. Appendix 3 is amended as follows:

### Appendix 3: Import module list

The module offerings listed below can be selected at the time of the resolution on these degree program and examination regulations. In accordance with § 14 (1) General Regulations, these modules are subject to the specifications of the degree program and examination regulations within which the modules are offered (in particular with regard to qualification objectives, prerequisites, credit points and examination modalities). The possible combinations of modules may be determined by the teaching unit offering them.

The catalog of selectable offerings can be changed or supplemented by the examination committee, especially if the range of offerings provided by the departments at Philipps-Universität Marburg changes. Such changes will be published by the examination committee on the respective degree program website. In individual cases or in general, taking up the offerings listed below may be subject to prior study counseling or binding registration. In the event of capacity restrictions, the relevant provisions of the degree program and examination regulations apply. Otherwise, no guarantee is given that the offerings listed below will actually be provided and can be attended.

Upon justified application by the student, it is permissible to approve additional import modules beyond the regular offer in individual cases; this requires the consent of the department or institution providing the offerings.

**The current import offerings are published as an export offer on the program website of the department offering the module. Students should take advantage of the relevant information and advisory services offered by the department offering the module before taking up the offering.**

**Any participation requirements or recommendations as well as combination rules must be observed. If the module provider has specified combination rules and created export packages, there is effectively only a limited range of modules available, depending on the scope of your own import window.**

The import module list in its current form can be found on the degree program website at <https://www.uni-marburg.de/de/fb12/studium/studiengaenge/m-sc-wirtschaftsinformatik>.

## **6. Appendix 5 is amended as follows:**

### **Appendix 5: Special admission requirements and eligibility assessment process**

#### **§ 1 Special admission requirements**

(1) Admission to the master's degree program "Business Informatics" can only be granted to persons who meet the general admission requirements set out in § 4 of the degree program and examination regulations.

(2) In addition, applicants must have demonstrated their personal aptitude for the subject as part of an eligibility assessment process to be carried out in accordance with the following requirements.

#### **§ 2 Application for participation in the eligibility assessment process**

The application must be submitted on the form provided by the University. The application must be accompanied by the following documents:

1. Proof of a completed relevant Bachelor's degree or at least an equivalent domestic or foreign university degree or proof of the preliminary overall grade from the credits completed up to that point in accordance with § 4 (1) of the degree program and examination regulations.
2. If an academic final thesis amounting to at least 10 credit points has already been completed in the relevant Bachelor's degree program or at least an equivalent degree program in Germany or abroad in accordance with § 4 (1) of the degree program and examination regulations, proof of this thesis and its scope must be enclosed. If such a thesis has not yet been completed, but is either mandatory in the examination regulations of the relevant Bachelor's degree program or an optional thesis has been bindingly registered, proof of this and the scope of the thesis must be provided in a suitable manner.
3. Proof of the competences specified in § 4 (1) sentences 3 to 5 of the degree program and examination regulations.
4. Proof of knowledge of German and/or English in accordance with § 4 (4) of the degree program and examination regulations.
5. Completely and truthfully filled out form, which was created using the web application provided on the degree program website and which contains information about the modules completed so far and their scope as well as, if applicable, about the preparation of a final thesis and any language certificates acquired.

#### **§ 3 Eligibility assessment committee**

(1) The eligibility assessment process to determine personal aptitude for the subject is the responsibility of the eligibility assessment committee appointed by the departmental council.

(2) The committee shall be composed of at least two professors.

(3) The eligibility assessment committee shall report to the departmental council of the department on its experiences after completion of the process and make proposals for the further development of the process.

#### **§ 4 Eligibility assessment process**

(1) Anyone who has submitted an application in accordance with § 2 shall take part in the eligibility assessment process. Applications that are not complete, in due form or on time will not take part in the eligibility assessment process. Anyone who provides

incomplete information in the form in accordance with § 2 no. 5 with regard to the credits received shall not be entitled to have any additional credits considered. Anyone who claims credits that have not been completed or who provides false and misleading information in the form in accordance with § 2 no. 5 is not entitled to admission.

(2) Aptitude is determined on the basis of the following criteria:

a) Overall grade in accordance with § 2 no. 1: Points are awarded for the overall grade in the following manner:

Grade points 15.0 to 11.6 (decimal grade 0.7 to 1.8) = 55 points

Grade points 11.5 to 9.5 (decimal grade 1.9 to 2.5) = 45 points

Grade points 9.4 to 7.3 (decimal grade 2.6 to 3.2) = 35 points.

The information is based on the grading scale according to § 28 General Regulations of Philipps-Universität Marburg.

b) Completion of an academic final thesis as part of the relevant Bachelor's degree program or at least equivalent domestic or foreign university degree program in accordance with § 4 (1) of the degree program and examination regulations:

- Proof that an academic thesis worth at least 10 credit points is compulsory in the qualifying Bachelor's degree program or that a corresponding optional thesis has already been completed or has been bindingly registered (10 points).

c) Proof of knowledge in accordance with § 4 (1) sentence 5 of the degree program and examination regulations:

- The eligibility assessment committee determines that competences have been acquired to at least the specified extent from 5 of the 5 modules as well as 9 LP from the module Object-Oriented Programming and 6 LP from the module Software Engineering in accordance with § 4 (1) Sentence 5 (35 points).

- The eligibility assessment committee determines that either competences have been acquired to at least the specified extent from 4 of the 5 modules as well as 9 LP from the module Object-Oriented Programming and 6 LP from the module Software Engineering according to § 4 (1) sentence 5 (20 points).

- The eligibility assessment committee determines that competences have been acquired to at least the specified extent from 5 of the 5 modules and only one of the modules Object-Oriented Programming and Software Engineering in accordance with § 4 (1) Sentence 5 (20 points).

(3) A prerequisite for admission to the degree program is an assessment of the degree of aptitude of at least 65 out of a possible 100 points.

(4) A report must be made of the main criteria that led to the result of the assessment in § 4 (2).

## **§ 5 Completion of the process**

(1) Applicants who are admitted shall receive a written letter of admission from the university. This will specify a deadline by which the applicant must enroll. If enrollment is not completed by the deadline, the letter of admission shall become invalid.

(2) Applicants who are not admitted shall receive a letter of rejection. Rejected applicants may reapply for participation in the eligibility assessment process, provided that further relevant credits have been received since the last application.

## **Article 2**

With the exception of the changes in § 4 and Appendix 5: Special admission requirements and eligibility assessment process, the second amendment applies from winter semester 2025/2026 to all students studying in the degree program "Business Informatics" leading the degree "Master of Science (M.Sc.)" at Philipps-Universität Marburg from 25 January 2023.

Completed and ongoing module examination procedures are not affected; modules that were started before the winter semester 2025/2026 must be completed in accordance with the regulations of January 25, 2023, as amended.

The changes in § 4 and in Appendix 5: Special admission requirements and eligibility assessment process apply to all students who have started their studies in the Master's degree program "Business Informatics" leading to the degree "Master of Science (M.Sc.)" from winter semester 2025/26.

The amendment comes into force on the day after its publication in the Amtliche Mitteilungen der Philipps-Universität Marburg.

Marburg, April 08, 2025

signed.

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