Dr.-Ing. Florian Ilchmann Managing Director of Ambright

"The close linking of digital web technologies as an interface between the customer and the most cutting-edge manufacturing processes allows us to produce exactly according to thecustomer's needs, starting with quantity 1. We produce lighting, and for this we need bright minds that an build upon an excellent education.

We are delighted to have found the perfect university partner in HDBW."



Diksha Dhananjay Kadam Masterstudent Digital Factory and Operational Excellence

"We are discovering the intersection of digital innovation and operational excellence in our Master of Science program Digital Factory and Operational Excellence. Immersing in cuttingedge methodologies and technologies, empowering us to revolutionize production processes, logistics, and global supply chain management."



FAQ by international students



ADMISSION REQUIREMENTS

Completed Bachelor's degree in

- · Mechanical or Industrial Engineering
- Business Administration with corresponding focus
- Production or Logistic Management
- Other Bachelor's degrees on request

Language level

B2 English proficiency level, proof with:

- Certificate from the recognized language test TOEFL, IELTS, or TOEIC or
- official confirmation of former university that Bachelor's degree was taught in English

ECTS

210 ECTS or 180 ECTS plus Pre-Master

Pre-Master

1 semester prep course for academic skills and German language & culture – compulsory if you have a non-EU Bachelor's degree

Degree

Master of Science (M.Sc.)

Want to know more? Get in touch with us!



- hdbw-hochschule.de
- +49 (0)89 456 78 45 11
- studienberatung@hdbw-hochschule.de
- f 🞯 🗗 👌 in 💥

PERSONALIZED AND BUSINESS-ORIENTED

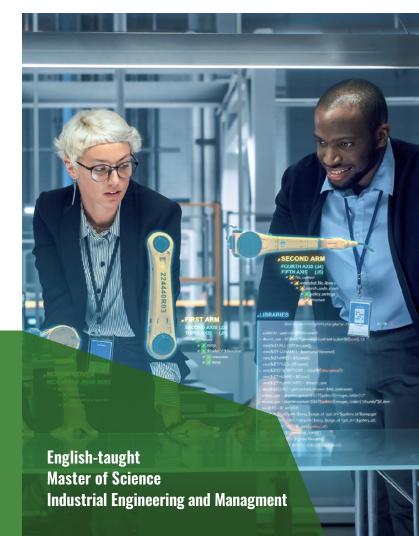
 $\ \ \, \mathbb{C}\ \mathsf{HDBW}\ |\ \mathsf{As}\ \mathsf{of} \ \mathsf{:March}\ \mathsf{2025}\ |\ \mathsf{Photos} \ \mathsf{:HDBW}, \mathsf{istock}$



MUNICH, GERMANY

Master's degree

DIGITAL FACTORY AND OPERATIONAL EXCELLENCE





MANAGE A SMART FACTORY!

Digital transformation is a key issue today, especially in the field of logistics and production. The spectrum of topics that companies have to deal with in national and international competition ranges from smart logistics and big data to process simulation and Industry 4.0.

This is exactly where experts are needed! The Digital Factory and Operational Excellence Master of Science degree programme was developed together with leading companies in the German industry to prepare you as a future manager in the field of production and logistics. It qualifies you for this booming field of expertise and will help you shape the industrial transformation. Here, you can optimize your organizational talent and acquire state-of-the-art economic and technological know-how.

Career opportunities after graduation:

- Manager Production and Logistics
- Supply Chain Manager
- Lean Manager
- Industrial Engineering
- Management Consultant

FULL-TIME MASTER OF SCIENCE IN 3 SEMESTERS

1st SEMESTER						
Business Planning, Finance and Entrepreneurship 5 ETCS	Business Analysis and Optimization Processes 5 ETCS	Big Data, Analytics, Business Intelligence 5 ETCS	Work Science 5 ETCS	Agile Project Management in International Project Teams 5 ETCS	Production Strategy and Manufacturing in Global Networks 5 ETCS	
2nd SEMESTER						
Employee Management and Change Management 5 ETCS	Lean Production and Production Optimization 5 ETCS	Digital Value Chain and Smart Logistics 5 ETCS	Project Work 5 ETCS	Global Supply Chain Management, Risk Management, Global Procurement Sourcing 5 ETCS	Decision Theory and Key Performance Indikator Development 5 ETCS	
3rd SEMESTER						
Digital Factory Planning and Process Simulation 5 ETCS	Introduction to Cyber Security 5 ETCS	Master's thesis and final examination 20 ECTS				

PART-TIME MASTER OF SCIENCE IN 5 SEMESTERS

1st SEMESTER							
Business Analysis and Optimization Processes 5 ETCS	Big Data, Analytics, Business Intelligence 5 ETCS	Work Science 5 ETCS	Agile Project Management in International Project Teams 5 ETCS				
2nd SEMESTER							
Employee Management and Change Management 5 ETCS	Lean Production and Production Optimization 5 ETCS	Digital Value Chain and Smart Logistics 5 ETCS	Project Work 5 ETCS				
3rd SEMESTER							
Business Planning, Finance and Entrepreneurship 5 ETCS	Production Strategy and Manufacturing in Global Networks 5 ETCS	Digital Factory Planning and Process Simulation 5 ETCS	Introduction to Cyber Security 5 ETCS				
4th SEMESTER							
	Management, Global Procurement Sourcing ETCS	Decision Theory and Key Performance Indikator Development 5 ETCS					
5th SEMESTER							
Master's thesis and final examination 20 ECTS							