

Modulliste

für den Masterstudiengang

Computervisualistik



an der

**Otto-von-Guericke-Universität Magdeburg
Fakultät für Informatik**

Wintersemester 2024/2025

**Auflistung der Bereiche innerhalb des Studienganges
inklusive der darin vorgesehenen Module:**

FIN: M.Sc. VC

Masterarbeit

FIN: M.Sc. VC - Visual Computing - Pflichtfächer

ENG - Introduction to Computer Graphics
ENG - Numerical Methods for Visual Computing
ENG - Visualization

FIN: M.Sc. VC - Visual Computing - Wahlpflichtfächer

DEU - Ausgewählte Algorithmen der Computergraphik
ENG - Computational Geometry
ENG - Computer-Assisted Surgery
ENG - Estimation for Autonomous Mobile Robots
DEU - Geometrische Datenstrukturen
ENG - Seminar Predictive Maintenance
ENG - Visual Analytics in Health Care
ENG - Visualization

FIN: M.Sc. VC - Computer Science

ENG - Algorithm Engineering
ENG - Applied Discrete Modelling
ENG - Clean Code Development
ENG - Data Mining II - Advanced Topics in Data Mining
ENG - Distributed Data Management
DEU - Einführung in die Wissensrepräsentation
ENG - Eudaimonic Interaction Design
ENG - Human-Centred Approaches and Technologies
ENG - Human-Centred Natural Language Processing
ENG - IT-Security of Cyber-Physical Systems
ENG - Mobile Communication
DEU - Scrum-in-Practice
DEU - Selected Chapters of IT Security 1
ENG - Selected Chapters of IT Security 2
DEU - Selected Chapters of IT Security 3
DEU - Selected Chapters of IT Security 4
ENG - Swarm Intelligence
ENG - Transaction Processing
ENG - VLBA – Cloud DevOps Technologies

FIN: M.Sc. VC - Schlüssel- und Methodenkompetenzen

ENG - Clean Code Development
ENG - Principles and Practices of Scientific Work and Soft Skills
ENG - Scientific Writing
DEU - Scrum-in-Practice
Wissenschaftliches Team-Projekt