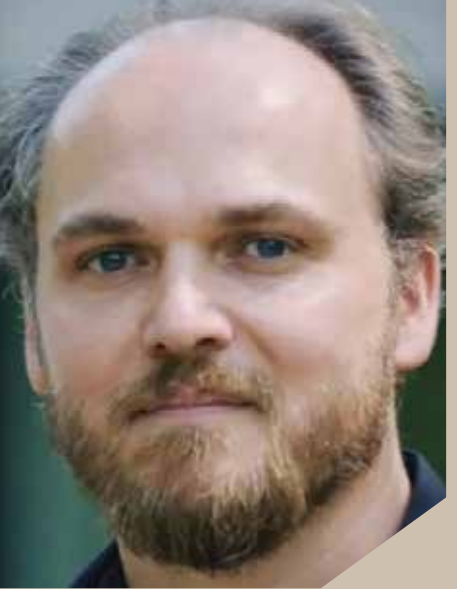

"We want to widen the students' horizons, and in doing so the validity of Agatha Christie's quote:

"Archaeologists only look at what lies beneath their feet. The sky and the heavens don't exist for them."

PD Prof. Dr. Marco Block-Berlitz
Dean of Computer and Geoscience in Archaeology

Career Prospects
- Cultural resource management
- Museums and archaeological archives
- Histo-/Edutainement
- PhD studies and archaeological research

Study Requirements
- First university degree with a Bachelor or Diploma in Archeology and neighbouring fields with 180 ECTS (European Credit Transfer System)
- Applicants who are not native English speakers must successfully pass a language test. You should have at least 550 points in TOEFL, 72 in TOEFL iBT, 6.5 in IELTS, a B in the Cambridge Certificate in Advanced English, Cambridge Certificate of Proficiency in English or B2 in common European Framework of Reference.

Application
- International Applicants with a foreign university degree apply via uni-assist.
  Application deadline for winter semester: **15th June**.
  More information about the application process at:
  www.htw-dresden.de/degreestudents
- German applicants and applicants with a German university degree apply directly at HTW Dresden.
  Application deadline for winter semester: **15th July**
  More information at: www.htw-dresden.de/bewerbung

Studying at HTW Dresden

High practical relevance in teaching and research

Rich variety of **internship opportunities** partner institutions

Personal study atmosphere in small groups

no tuition fees

Zertifikat seit 2014 audit familiengerechte hochschule

SYSTEM AKKREDITIERT Akkreditierungsrat

Contact

Faculty academic advising
PD Prof. Dr. rer. nat. Marco Block-Berlitz
E-Mail: marco.block-berlitz@htw-dresden.de
Phone: 0351 462 2692
www.htw-dresden.de/xxx

Coordinator for international prospective students
Ms. Britta Weber
E-Mail: international@htw-dresden.de
Phone: 0351 462 2015
www.htw-dresden.de/international

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University of Applied Sciences

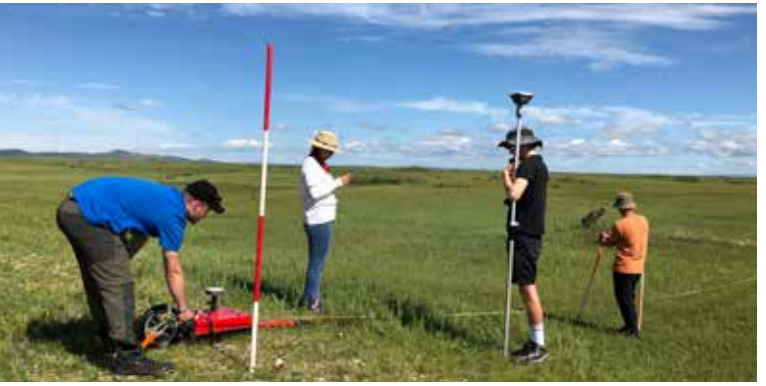
HTWD

Computer and Geoscience in Archaeology

Master of Science

Computer and Geoscience in Archaeology

Are you an archaeology student with an interest in applying modern technology to uncover the past? Do you wish to acquire knowledge and hands-on experience in digital tools and methods, including programming, computational archaeology, virtual and augmented reality, GIS, 3D imaging, laser scanning, remote sensing, and more? If so, the Master's programme in Computer and Geoscience in Archaeology could be the perfect fit for you!



Compact Profile

Degree: Master of Science (M.Sc.)

Language of instruction: English

Study form: Full-time-studies on campus

Semester start: Winter semester

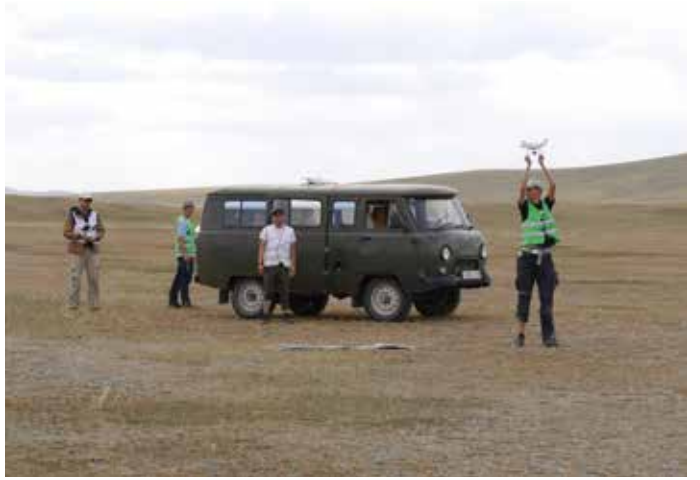
Duration: 4 semesters

ECTS-Points: 120

Study Objective

As a graduate of the Master's programme Computer and Geoscience in Archaeology, you will be equipped with scientific knowledge and hands-on experience in the field of computer science and spatial information science and their application in archaeology.

You will be able to work in institutions and organizations that focus on the archaeological cultural heritage such as museums, heritage authorities, research institutes, excavation contractors and digital service providers in the field. You will have the abilities to conceive, plan and oversee digital workflows and data management for the research, monitoring, protection, presentation and valorisation of the archaeological cultural heritage.



Course of study

MASTER

1st to 3rd semester:
Professional studies
Application-oriented learning in compulsory and compulsory elective modules

4th semester:
Master thesis
Master thesis

Curriculum

1st Semester
Geodesy
Geographic Information Systems
Introduction to Digital Archaeology
Applied Mathematics and Computer Science
Applied Programming in Python
DaF B A1 or A2, German for Computer and Geoscience in Archaeology (minimum one module)

2nd Semester
Photogrammetry
Foundations in Data Science and Engineering
Academic Research and Writing
Databases and Research Data Management in Archaeology
Computational Archaeology
Elective subjects (minimum 1): - Studium Integrale - Geography - Information Visualization

3rd Semester
Archaeological Fieldwork / Internship
Remote Sensing
Digital 3D Documentation in Archaeology
Project Seminar Digital Archaeology
Reconstructive 3D Modeling in Archaeology
Introduction to Programming in Java
Elective subjects (minimum 1): - Studium Integrale - Building Information Modeling (BIM)

4th Semester
Master thesis