Master of Science in DIGITAL HUMANITIES

2-year program – 120 ECTS

Computer Science 20 ECTS
- Applied data analysis
- Computational social media
- Foundation of Digital Humanities
- Signal Processing and Machine Learning for DH

Digital Humanities 26 ECTS
- Cultural data sculpting
- Digital musicology
- Measuring literature
- User Experience
- SHS: introduction to project
- SHS: project

Optional courses 14 ECTS
- Advanced Computer Graphics
- Audio and acoustic signal processing
- Automatic speech processing
- Cities citizens and data
- Computational Photography
- D. Thinking: real problems, human-focused solutions
- Data Visualization
- Database Systems
- De la structure à l’ornement
- Decision-aid methodologies in transportation
- Deep Learning
- Digital 3D Geometry Processing
- Digital Education & Learning Analytics
- Distributed Information systems
- Exploratory data analysis and geovisualization
- Human Computer Interaction
- Image and Video Processing
- Image Processing 1
- Image Processing 2
- Information Theory and Signal Processing
- Introduction au BIM (Building Information Modeling)
- Introduction to Natural Language Processing
- Linear Models
- Machine learning
- Modélisation et représentation informatique I
- Modélisation et représentation informatique II
- Spatial Statistics and analysis
- Strategic Marketing and Technology commercialization
- Technology & innovation strategy
- UE H: Graphie
- UE J: Territoire et paysage
- UE R: Introduction au BIM (Building Information Modeling)
- Virtual Reality
- Visions et Utopies

Optional courses: students choose an orientation:
A Audio-visual Media
B Spatial Digital Humanities

CAREER PROSPECTS

Digital humanists, those who have both advanced technical skills and profound cultural awareness, are leading the current technological revolution in information technology, mobility and consumer products. Whether one launches a startup straight out of the program or lands a position in a major industry or cultural institution, a Master in Digital Humanities is as much a set of technical skills as it is a mindset for success.

ADMISSIONS

Interested students must have a bachelor's degree in a science, technology, engineering, or math (STEM) discipline with excellent records and a solid understanding of programming, algebra, statistics, and signal processing. Students must also express an active interest in culture and humanities through previous studies or extracurricular activities and personal projects.

master.epfl.ch/digitalhumanities
Contact information: master-dh@epfl.ch

IMAGE COVER

“When the Music is Good – 2013”
This artwork connects the artists of the Montreux Jazz Festival if they have played together on stage at least once in the last 50 years.

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