Graduate School in Heritage Intelligence

Data intelligence
Digitisation
Heritage Sciences

Renaissance Archaeology
Digital Archaeology
Food
The Graduate School in Heritage Intelligence offers new professional training in and through high level research using a unique and original approach at this level. Positioned primarily at the crossroads where humanities and social sciences meet digital sciences, it prepares graduates for Master’s and Doctorate degrees by integrating initial and continuous training.

The school offers two different degrees (History, Civilisation, Heritage and Digital Humanities) and six Master’s degrees focused on growing socio-economic sectors. Teaching relies on cross-cutting, interdisciplinary and international scientific dynamics including, for example, the Intelligence des Patrimoines (Heritage Intelligence) Ambition-Research-Development programme on cultural and natural heritage (34 laboratories and over 360 researchers across the region) and the Pôle Alimentation (almost 100 researchers from Tours).

This new training is run by the Centre for higher studies of the Renaissance (CESR), which is unique in France in that it is both a Training and Research Unit (UFR) and an internationally recognised Joint Research Unit (UMR 7323) under the triple supervision of the University of Tours, the French National Scientific Research Centre (CNRS) and the Ministry of Culture (MIC). It also directly involves two other laboratories in archaeology (UMR CITERES-LAT) and digitisation (EA LIFAT) as well as several UFR of the University of Tours. Furthermore, it can rely on a great many internal and external, educational and professional, public and private partnerships in France as well as abroad. Aimed at a diverse audience, mainly from humanities and social sciences and/or digitisation backgrounds, it offers the opportunity to acquire new scientific methodologies and the most advanced fundamental and technical knowledge, as well as project design for future vocations.

Benoist PIERRE
Director

Target audience

The school is accessible to all students at Bachelor’s and Master’s degree level, particularly humanities, social sciences and/or digital sciences graduates. Grouping together several training courses and cutting edge laboratories that have demonstrated their capacity for educational, scientific and professional innovation, it is paving the way towards future vocations in key heritage, culture, food and agricultural sectors as well as archaeology, tourism and digitisation etc.

Career opportunities

- Public and private sector careers as an executive, project manager, adviser, research engineer, researcher/teacher-researcher, entrepreneur or business founder, heritage curator or mediator and careers in audiovisual media and communications, etc.
- Training is centred on the digital sector, which offers numerous job opportunities in all these fields for graduates with a master’s or doctorate degree.
- Similarly, the spirit of entrepreneurship is promoted thanks to specific modules available to students as well as through a dedicated university start-up incubator/accelerator that has close ties with the school.
A school of excellence focused on future vocations

A course spirit: a core curriculum at the school and for each training programme, tutoring for doctoral students, an alumni association; graduation at the end of the course.

High level interdisciplinary scientific training: teaching that integrates the latest knowledge gained through fundamental research and at the crossroads where humanities and social sciences meet digital sciences, practical workshops in association with other scientific sectors (life sciences, earth science, material sciences, geosciences etc.).

Professional training that is effective and diverse in both public and private sectors in line with socio-economic expectations.

Adapted continuous training: coherent modules from 60 hours to 100 hours for excellent lifelong training and direct contact with the reality of the vocations concerned.

A school with a national and international reputation: numerous educational and scientific partnerships as well as many stakeholders in France and abroad; a number of courses taught in English, primarily on the Digital Humanities degree programme; joint national and international curricula and a national and international Post-Masters level for personalised and “à la carte” training.

Cutting edge educational innovations: eight specialised and frequently interchangeable modules per course (within the same degree programme or between degrees), training in project mode, personalised follow-up for students, integration of all training modes (initial, continuous, intensive internships, e-learning integrated from 2019 and, eventually, apprenticeship etc.).

Thus supervised and integrated on a course, students will be able to define new programmes and consider professionalising combinations that take account of the demands and new challenges of the target sectors (cultural, heritage, tourist and food industries) after consultation with their referent teacher and in line with their initial training and career objectives. These can include: personalised training, joint curricula, joint master’s degrees, post-master’s, continuous training programmes and integrated international courses.
The school offers all master’s students the opportunity to complete their university curriculum by preparing for a doctorate in one of the fields of training or at the crossroads of several disciplines. Regional and national three-year doctoral scholarships can be awarded depending on the number of places available and the result of a selection process. Depending on their specialism, doctoral students are associated with the scientific activities of various partner laboratories.

Students wishing to pursue a doctorate in the new training are referred to one of the Doctoral Schools at the University of Tours: “Humanities and Languages” and/or “Social Sciences: Territories, Economy, Law” and/or “Mathematics, Information Technology, Theoretical Physics and Systems Engineering”.

Centre for higher studies of the Renaissance Graduate School in Heritage Intelligence

### MASTER 1
- Careers in Heritage Sciences
- Cultures and Heritage of the Renaissance
- Cultures and Heritage of Food
- Careers in Archaeology and Digital Archaeology

### MASTER 2
- Data intelligence in Culture and Heritage
- Digitisation in Culture and Heritage

### POST-MASTER (national and international)
- Continuous and/or additional training “à la carte”
- University certificate

### DOCTORATE
- Internships, Erasmus mobility
- Joint curricula (2019-2020)
This master’s degree programme provides fundamental knowledge of cultures and different forms of Renaissance heritage in line with the international approach and scientific programmes that characterise the CESR.

Thanks to a long tradition and experience of teaching in and through research, this high profile academic curriculum combines all humanities disciplines in history, history of art, history of science and technology, literature, ancient and modern languages, musicology and philosophy. A joint curriculum in Health and Humanities is also offered to students and integrated in the training.

The curriculum prepares students for careers in research, culture, cultural heritage primarily linked to the Renaissance, publishing and in libraries, with a strong focus on digital humanities and digital publishing. It paves the way towards new types of professional training and new fields of research at Post-Masters and Doctorate level.
History, Civilisation, Heritage Degree Course (HCP)

**MASTER Cultures and Heritage of Food (CPA)**

The objective of this master’s degree programme is two-fold: train students in and through research in the field of food studies and develop their skills in terms of project management in relation to promoting, emphasising and developing—in the fields of food culture and heritage—gastonomy, tourism, local produce and more generally, local, sustainable and healthy food practices.

This curriculum is focused on growing socio-economic sectors in relation to the cultural, political and social issues of food and gastronomy. It draws on the momentum created by the presence in the City of Tours of part of the European Institute for Food History and Cultures, which led to the UNESCO classifying the “Gastronomic Meal of the French” as Intangible Cultural Heritage of Humanity. It also benefits from the presence of the Cité Internationale de la Gastronomie and of the Pôle Alimentation’s interdisciplinary research activities at the University of Tours, which is a unique programme in France. The synergies created by these converging initiatives offer numerous opportunities to be part of projects that are directly related to these subjects.

**MASTER Careers in Archaeology and Digital Archaeology (M2A)**

The University of Tours is one of the only places in France and Europe to offer a master’s degree that integrates digital archaeology (archaeology and information technology). Attached to the Archaeology and Territories Laboratory (UMR 7324 CITERES, University of Tours-CNRS), it benefits from a strong partnership in training and research with Inrap.

Its main objective is to train future archaeologists in the practice of archaeology in line with current issues. Its first aim is to meet the expectations of preventive archaeology as well as those of innovative research based on the implementation of first hand data. Students will be able to plan their course according to their career objectives and centres of interest: spatial analysis in urban or rural environments, architecture and construction techniques, zooarchaeology and furniture studies (ceramics, glass, metallic objects), from Protohistory to Modern Times.

Beyond a master’s degree, the objective is to develop new types of professional training and new fields of research at Post-Masters and Doctorate level.
The distinctive feature of this master’s degree programme compared to current masters in other French universities lies in the fact that it is equally balanced between the humanities and digital sciences. Offered by CESR in partnership with the Laboratory of Fundamental and Applied Information Technology (LIFAT, EA 6300), it meets high professional expectations in digital data science and engineering for use in culture, heritage management and tourist industries.

The course offers students the opportunity to gain and/or develop historical and critical methods for an in-depth and effective understanding of data (closely linked to the History, Civilisation, Heritage degree course), as well as its acquisition, structuring, enhancement, analysis and valorisation. In this light, the course covers databases, programming, integration architectures, warehouses, statistics, excavation and annotation etc. These subjects are taught partly in English and pave the way towards studying Data Science further during a year-long Post-Masters in Big Data Management and Analysis (BDMA) at the University of Tours.

With the same structure as the MA Data Intelligence in Culture and Heritage, this master’s degree programme in humanities and digital sciences (CESR/Laboratory of Fundamental and Applied Information Technology) provides students with the necessary knowledge and skills to meet significant needs and high expectations of cultural, heritage and tourist industries in the field of digital mediation.

It also offers students the opportunity to gain and/or develop historical and critical methodology (closely linked to the History, Civilisation, Heritage degree course) as well as master software tools for the organisation, distribution, mediation and digital mediatisation of data: databases, programming, multimedia development, visualisation and interaction tools, virtual and augmented reality, communication and social networks, e-learning and educational engineering, contextualisation and digital mediation project design and management.
Find out more details on these courses at esipat.univ-tours.fr

- **MASTER MSP**: Careers in Heritage Sciences  
  master.msp@univ-tours.fr

- **MASTER CPR**: Cultures and Heritage of the Renaissance  
  master.cpr@univ-tours.fr

- **MASTER CPA**: Cultures and Heritage of Food  
  master.cpa@univ-tours.fr

- **MASTER M2A**: Careers in Archaeology and Digital Archaeology  
  master.m2a@univ-tours.fr

- **MASTER IDCP**: Data intelligence in Culture and Heritage  
  master.idcp@univ-tours.fr

- **MASTER MNCP**: Digitisation in Culture and Heritage  
  master.mncp@univ-tours.fr

**Staff**

- **Director**: Benoist Pierre
- **Course directors**: Marion Boudon-Machuel & David Fiala
- **Administrator**: Marie Christine Jossec
- **Education director**: Cyrille Malapert

Centre d’études supérieures de la Renaissance  
59, rue Néricault-Destouches BP 12050 - 37020 Tours Cedex 1  
Tel.: 02 47 36 77 61 - www.cesr.cnrs.fr - www.cesr.univ-tours.fr  
esipat@univ-tours.fr