Call for Expression of Interest

Excellence study programme
- Technology, Science, and Society (TeSS) -

Cooperation offer for the following disciplinary fields
Science and Technology Studies, History and Philosophy of Science and Technology, Ethics, Literature and Media Studies, Design and Art

Overview
The study programme Technology, Science, and Society (TeSS) is rooted in the academic field of Science and Technology Studies (STS). TeSS prepares students for the challenges of a responsible and sustainable use of science and technology in our knowledge societies. The basics for this are a critical-reflexive thinking and an understanding of the historical, political and ethical dimensions of technical objects, infrastructures and their design conditions. By working in a highly international and interdisciplinary environment, students learn lifelong learning techniques and grow together in a community of practice, they become familiar with digital media and experimental settings in a creative environment.

Accordingly, the aim of the study programme is first, to prepare students for the negociation processes on the impacts and control of science and technology in society. How should be dealt with the related risks and benefits, why are socio-technical values such as the precautionary principle or trust building important in this context, and what does that imply for governance questions and technological decision making. Second, students learn the fundamentals of the theory and practice of scientific knowledge, what makes scientific facts credible, what is the specificity of scientific practice, how is technology related to nature, how to distinguish science from parascience or magic and why should we, and finally, what will change when "open science" or participatory formats of scientific practice become increasingly important?

Level of Degree
Master

Learning Outcomes, Competencies
Discursive and analytical skills in raising awareness in dealing with innovative technological systems and technical products; guidance in the development of technical objects in various fields of research; development of epistemologically, historically, and ethically grounded questions vis-à-vis the application and maintenance of technical systems; further development of sustainability criteria and eco-technological design; practical skills in dealing with digital media, probing ethnomethodologies, and learning to apply open science formats.

In particular, the practice-oriented study project promotes problem-based learning and the formation of a community of practice through shared learning and the organization of jointly responsible events, such as workshops, summer schools or exhibitions.

Job opportunities
- Policy consulting (national and international organizations)
- The academic field (universities, research institutes)
- Non-governmental organizations
- Management positions (administration, industry)
- Education and knowledge transfer (museums, collections, and science centers)
- Adult education centers
- Public relations and mediation

Contact
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