



#### **Curriculum 4.0: „Textile Electronics,,**

### **Textile Electronics - a new interdisciplinary Master's degree course at the Niederrhein University of Applied Sciences**

The megatrend digitalization does not stop at the fashion industry. In order to keep up with the development and demands of the industry, the Hochschule Niederrhein (HSNR) is developing a new, interdisciplinary specialization for Master's degree courses: Textile Electronics. Therefore it has received funding of around 300,000 euros from the Ministry of Culture and Science of the State of North Rhine-Westphalia.

The new specialization combines the most important skills from the fields of electrotechnology and computer science as well as textile and clothing technology. The aim is to train specialists in the field of smart textiles for the industry of the future and prepare them for the challenges of the sector.

To achieve this, students are not only taught knowledge from the two core competencies, but also focus on digital competence and soft skills. The core aim of the new specialization is to train skilled and flexible specialists in an industry that is constantly evolving.

Possible interdisciplinary modules include Smart Textiles, Applied Nanotechnology or Functionalization of Technical Textiles.

“As transdisciplinary experts, graduates provide new impulses in the fields of electrical engineering, smart health, textiles and clothing. They drive and implement new innovations in the fields of Internet-of-Things, smart advanced sensor technology and wearable electronics,” says Dr. Anne Schwarzpfeiffer, Professor of Functional Textiles at the Department of Textile and Clothing Technology and Prof. Dr. Ekaterina Nannen, representative of the Department of Electrical Engineering and Computer Science.

The specialization is being developed as part of the Curriculum 4.0 NRW funding guideline. It is to be integrated into the curriculum in the winter semester 2023.

## Duration

1.10.2020 bis 1.10.2023

## Contact



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Functional Textiles and Clothing  
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