

### INTERNSHIP CIRCULAR TEXTILE LAB

Are you interested in sustainable textiles, textile recycling and circular economy?

Since 2021, at Saxion we feature a circular Textile Lab (CTL), on the first floor of the Epy Drost building. In this lab it is possible to produce yarns from, amongst others, recycled textile fibres. With a professional lab scale ring spin set-up, including a shredder, carding machine, and drawframe we can spin yarns with different fibre contents. In the CTL you can spin for example yarns of fibres with different properties and different contents of recycled fibres. Due to various testing methods in the CTL and the chemical and mechanical labs, we are also able to conduct different quality tests on the fibres and yarns.



### TASK DESCRIPTION

- As an intern, you will work on various projects at the CTL. You will make for example slivers and yarns, but also weaving or knitting can be part of your assignment. Often also quality testing is part of the assignment. For example, testing tensile strength of your self-produced yarns or fabrics. The exact assignment depends on the projects that run at the time of your internship. Next to experiments and testing, you will also keep track of your methods and results in a report and lab-journal.
- During weekly meetings with your supervisors and peer students, you will discuss your progress, results, planning and issues. This way the whole CTL team will learn from your findings as well, and we can help each other out when needed.

### PRACTICAL INFORMATION

- **Student profile:** This assignment is specifically for Fashion & Textile Technologies students with a strong interest in sustainable textiles and textile processing. As this is an internship, you will be working on various smaller assignments that are part of bigger project of the research group SFT.
- We are looking for a student that can work very precisely. You will mainly work independently in the lab, however, as a group we work together to achieve the best results in our projects.
- **Contact person(s) for this assignment:** Laura Erkens ([l.m.erkens@saxion.nl](mailto:l.m.erkens@saxion.nl))
- **Research group Sustainable and Functional Textiles:** [saxion.nl/sft](https://saxion.nl/sft)