



Cleveland State University



# HUMANS, MACHINES, THE FUTURE

introducing

## THE SOCIETY 5.0 INTERDISCIPLINARY CERTIFICATE

The **Society 5.0** initiative at CSU is built on the premise that humanity is rapidly approaching a fifth stage of development marked by the confluence of advanced technologies. This **new interdisciplinary, 10-credit certificate** grounds students in the potential of these technologies and how they can be developed and harnessed to positively impact individuals and society.

### ESC 505 - Disability, Empathy and Technology

3 credits, Dr. Eric Shearer  
Fall 2023, Fall 2024

How can students develop empathy in order to have effective working partnerships with people with disabilities? This course will guide students through presentations on theoretical, technological and professional roles in working with people with disabilities; classroom training in mode switching between empathic and analytical orientations; interprofessional interactions with other students; and regular visits to the home of a specific person with a disability.

### PHL 600 - Humanity and Emerging Technology

3 credits, TBD  
Spring 2024

What might the future of life look like in a human-machine world? Who should be in charge of AI? These are just some of the questions this course is designed to explore as we interrogate the future of artificial intelligence, augmented reality, virtual reality, user experience, and multi-sensory transfer, and their integration with and impacts on the social world.

### UST 688 - Transdisciplinary Perspectives\*

1 credit; Dr. Nick Zingale  
Fall 2024

This course introduces students to transdisciplinary theory, perspectives and processes as well as tools and techniques for successful transdisciplinary research in human-centered technology. Through literature reviews and case studies, students will learn how they might use transdisciplinary approaches to engage community members as part of the research team, allowing for the emergence of new ideas to benefit society.

*\*UST 802 Frameworks of Inquiry recommended for doctoral students (4 credits, Fall 2024).*

### UST 686 - Smart and Sensible Global Cities

3 credits, TBD  
Spring 2025

Using a case study model, this course explores cities as complex and interconnected organisms that impact natural, human and built systems. Students will gain a better understanding of how cities can achieve their goals to become smart and sustainable, with a focus on solutions to today's sustainability challenges.

## QUESTIONS? GET IN TOUCH

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*The certificate is open to anyone with a bachelor's degree. There is no requirement to take all courses; if you see one you like, talk to your advisor about how it could fit into your degree track.*