

Thematic Learning Area: Sustainability

To help you make informed choices regarding broadening electives, within each TLA a number of learning paths are offered. A learning path is a coherent selection of TLA electives across departments, grouped around one TLA subtheme. The learning paths within a TLA are based on the assumed amount of pre-knowledge, indicating that familiar programs have better access. This means some learning paths are specifically accessible for students from one department, whereas another learning path suits best for students from another department. If you have met the expected pre-knowledge, for instance by following the requested 'stem courses' or deficiencies in another way, the relevant electives are accessible also. You can make well-informed choices by either choosing preferred but not necessarily related electives, or by choosing a pre-defined learning path. Combinations of learning paths or self-selected electives are also possible.

Energy

Description of the content	The TLA Sustainability compiles Bachelor's elective courses with a central focus on sustainability. Courses within this TLA encourage students to contextualize technological innovation and understand sustainability from a variety of different perspectives. These include human, social, and environmental perspectives, and are related to themes of health, energy, mobility, economics, planning and data science. The aim of this TLA is for students to learn to take responsibility and seek regenerative answers to far-reaching and long-lasting grand societal challenges.
Offered by	-
Language	English
Contact person	Tommaso Mondovi, Msc <t.mondovi@tue.nl>

Learning path 1

1. Climate change

Course code	Course name	Link to course catalogue
OSK40	Climate Change: Understanding the causes and solutions	

Learning path 2

2. Impact of technology

Course code	Course name	Link to course catalogue
OSV10	Sustainable technology in society	
OSV40	Managing sustainable technologies	
OSV80	Sustainable technology in society (advanced)	

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Learning path 3

3. Assessment

Course code	Course name	Link to course catalogue
OSV20	From Industrial Ecology to Circular Economy	
OSV140	Assessment to Support Decision Making	

Learning path 4

4. Global Sustainability

Course code	Course name	Link to course catalogue
OSV00	Sustainable Development in a global context	
OSV130	Global sustainability and innovation	
OSV150	Global sustainability in long term perspective	

Learning path 5

5. Sustainable Design

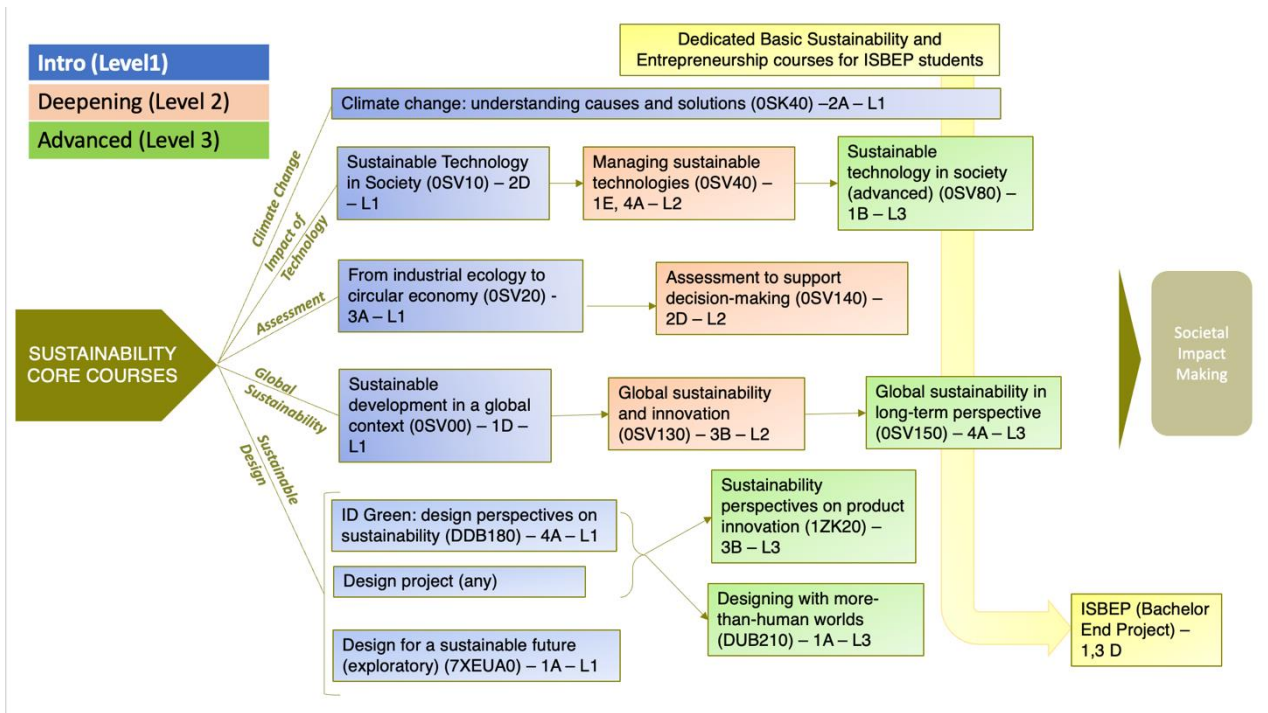
Course code	Course name	Link to course catalogue
DDB180	ID Green: design perspectives on Sustainability	
7XEUA0	Design for a sustainable future	
1ZK20	Sustainability perspectives on product innovation	
DUB210	Designing with more-than-human worlds	

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Additional Sustainability TLA Courses related to other themes

Course code	Course name	Link to course catalogue
DUB220	Participatory reimagining	
JBG000	Data science ethics	
7S7X0	Materialization of façades and roofs	
0SV60	Economic policy	
7W7X0	Urban planning	
6BER01	Nanomaterials: Fabrication and Chemistry	
6BER04	Topics in molecules and materials	
6BER08	Polymer chemistry and technology 2	
6BER06	Electrochemical Energy Conversion and Storage	
6BER06	CBL Process Design	
	ISBEP (Bachelor End Project)	

Additional information



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