

Curriculum

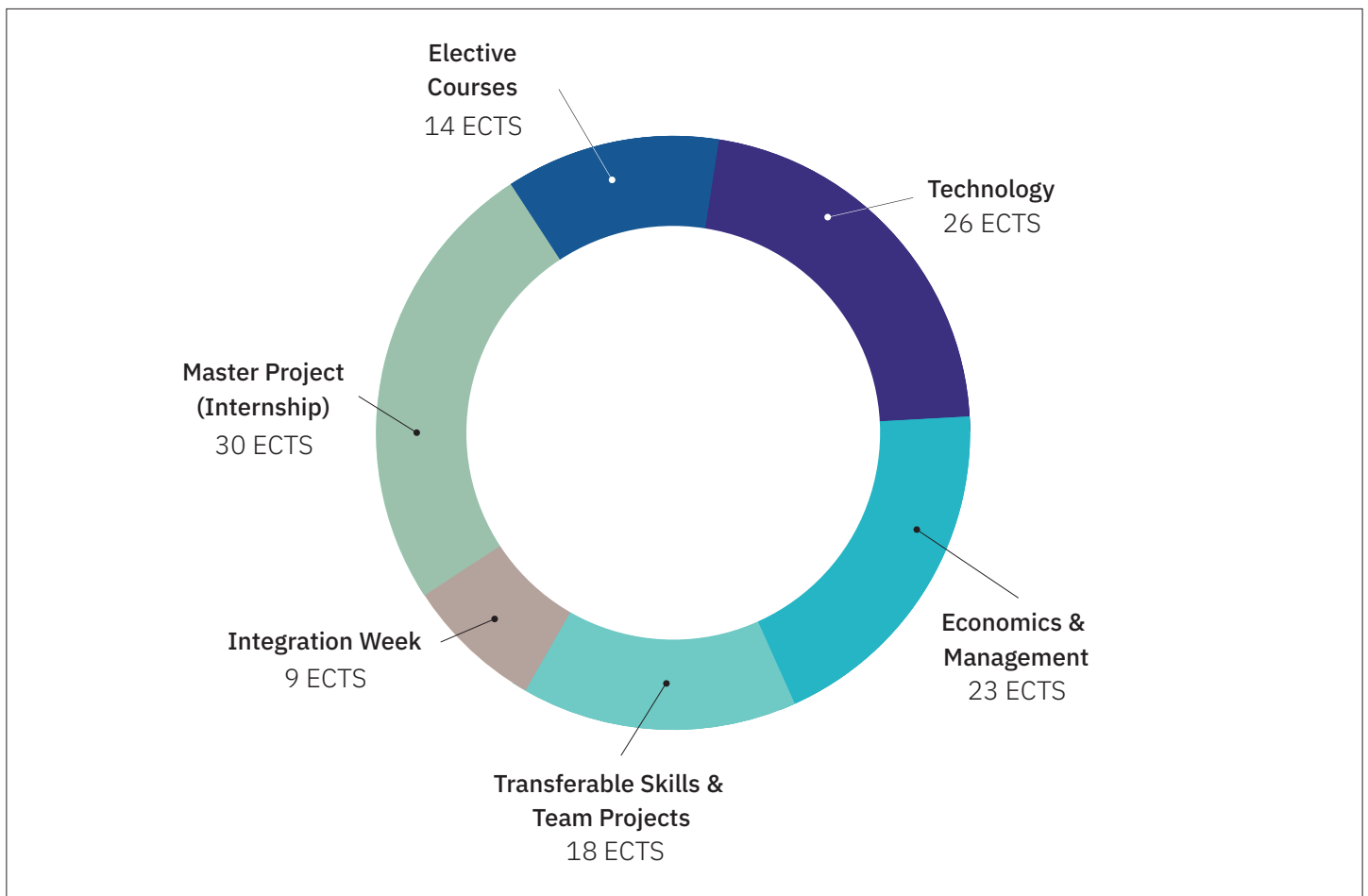
Master in Sustainable Management and Technology

About the Master Program

The Master Program in Sustainable Management and Technology (SMT) will equip you with the scientific and economic skills to address real-world sustainability issues.

The program aims at building competences along three dimensions: **technology & innovation, economics & management and tools and skills for developing sustainable solutions**. In comparison with existing programs organized around management, technology and/or sustainability around the world, the SMT Master program is unique in focusing on all three dimensions simultaneously in a balanced manner.

Curriculum at a glance (120 ECTS)



TECHNOLOGY (26 ECTS)	
Course	ECTS
Data science and Machine Learning	5
Energy supply, economics and transition	2
Information security & digital trust	4
Science of climate change	4
Statistics and data science	4
Sustainable logistics operations	3
Technology, sustainability and public policy	4

ECONOMICS & MANAGEMENT (23 ECTS)	
Course	ECTS
Economics for challenging times	6
ESG accounting and reporting	3
Marketing and sustainability in a digital world	3
Platforms & digital business models	3
Strategy & disruption	3
Sustainable & entrepreneurial finance	5

TRANSFERABLE SKILLS & TEAM PROJECTS (18 ECTS)

Course	ECTS
Complex problem solving in organizations	3
Introduction to ethics and critical thinking	3
Managing effective communications	2
Transformative Project	10

INTEGRATION WEEKS (9 ECTS)

Course	ECTS
Improve your personal effectiveness	3
Improve your group effectiveness	3
Improve your organizational & societal effectiveness	3

MASTER PROJECT - INTERNSHIP (30 ECTS)

ELECTIVE COURSES (14 ECTS)	
Course	ECTS
TECHNOLOGY	
Analytics in operations management	3
Experience design	6
Innovation for construction and the environment	3
Life cycle assessment in energy systems	3
New tools & research strategies in personalized health	4
Robotics for society	4
Software and disruption	3
Solid waste engineering	4
ECONOMICS & MANAGEMENT	
Advanced sustainable accounting and finance	3
Climate Entrepreneurship	5
Globalisation, robotics and the future of work	4
Legal aspect of sustainability & digitalisation	4
Nature finance	3
Project Management: from prediction to adaptation	3
Risk analytics	3