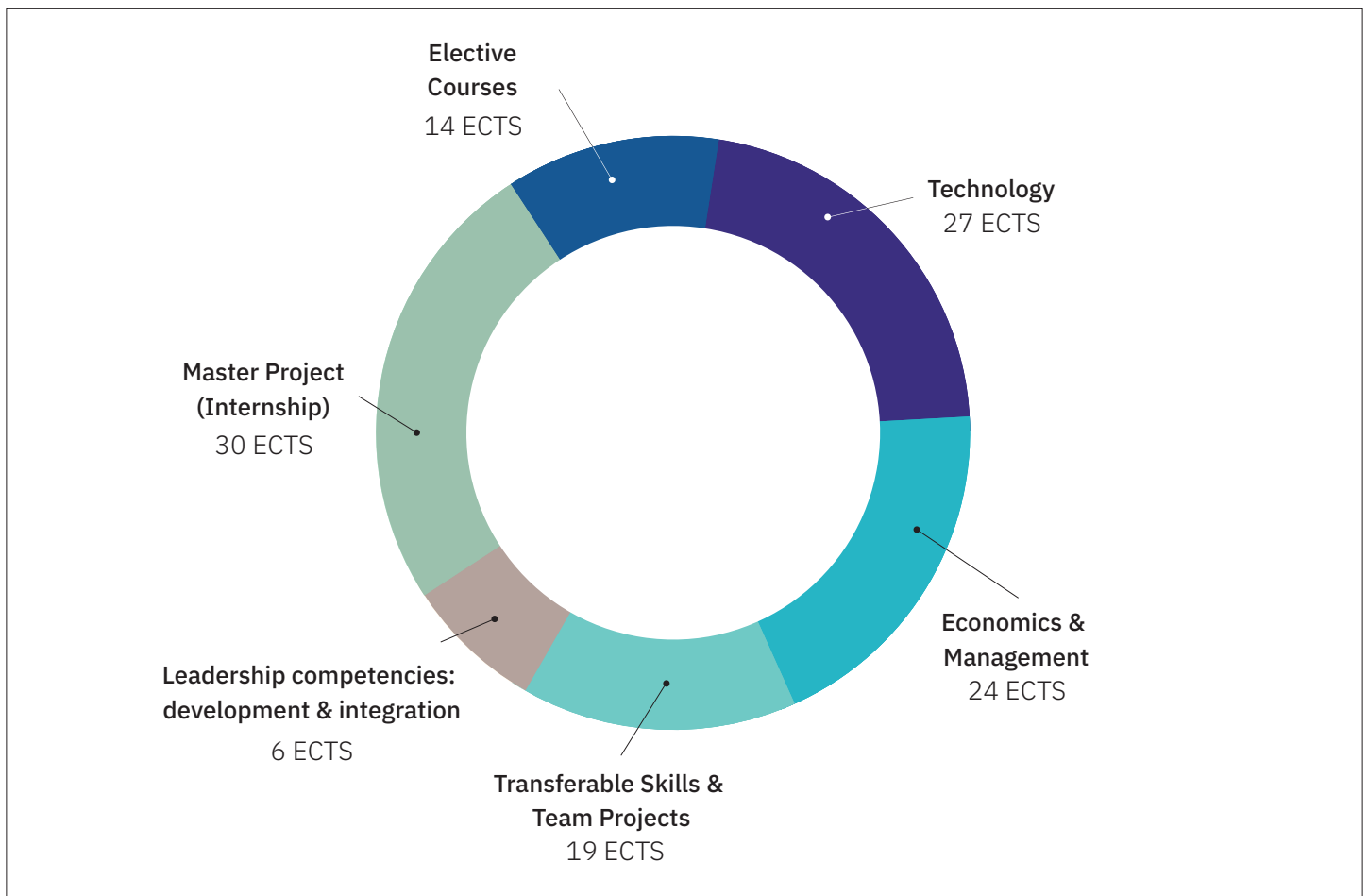# Curriculum

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)

Elective Courses
14 ECTS

Technology
27 ECTS

Master Project (Internship)
30 ECTS

Economics & Management
24 ECTS

Leadership competencies: development & integration
6 ECTS

Transferable Skills & Team Projects
19 ECTS

TECHNOLOGY (27 ECTS)

Course	ECTS
Data science and machine learning	5
Energy supply, economics and transition	2
Environmental assessment and reporting	4
Science of climate change	4
Statistics and data science	4
Sustainable logistics operations	4
Technology, sustainability and public policy	4

ECONOMICS & MANAGEMENT (24 ECTS)

Course	ECTS
Economics for challenging times	6
ESG accounting and reporting	3
Marketing and sustainability in a digital world	3
Strategy, sustainability and innovation	3
Systems Thinking	4
Sustainable & entrepreneurial finance	5

Curriculum in detail

TRANSFERABLE SKILLS & TEAM PROJECTS (19 ECTS)

Course	ECTS
Complex problem solving in organizations	3
Introduction to ethics and critical thinking	3
Communication for impact	3
Transformative Project	10

LEADERSHIP COMPETENCES: DEVELOPMENT AND INTEGRATION (6 ECTS)

Course	ECTS
Improve your personal effectiveness	2
Improve your group effectiveness	2
Improve organizational & societal effectiveness	2

MASTER PROJECT - INTERNSHIP (30 ECTS)

Curriculum in detail

ELECTIVE COURSES (14 ECTS)	
Course	**ECTS**
Advanced sustainable accounting and finance	3
Business and society - corporate sustainability	6
Energy conversion and renewable energy	3
Innovation for construction and the environment	3
Legal aspect of sustainability & digitalisation	4
Life cycle assessment in energy systems	4
Material flow analysis and resource management	3
Nature finance	4
Risk analytics	3
Sanitary engineering for development	3
Social innovation Lab	5
Social norms change	4
Sustainability in the global context	4
Sustainable transformation and future-fit business	3
Value chain management in practice	3