

Master of Science in Sustainable Management & Technology

The Master of Science in Sustainable Management and Technology (SMT) aims at equipping the entrepreneurs and intrapreneurs of the future with the knowledge and skills enabling them to contribute to the transition toward a more resilient, environmentally responsible and inclusive economy while harnessing the power of technology.

Master of Science in Sustainable Management & Technology



The Master of Science in Sustainable Management and Technology (SMT) program is offered by Enterprise for Society (E4S) on behalf of its three partner institutions: the University of Lausanne (UNIL) through its Faculty of Business and Economics (HEC), the Institute for Management Development (IMD) and the Ecole Polytechnique Fédérale de Lausanne (EPFL) under the stewardship of its College of Management of Technology. Graduates will receive a Master of Science degree delivered jointly by the three academic institutions.

The program is **intended for** holders of a bachelor degree with little or no professional experience and brings together students with either an **engineering** background or **management/economics** background. Particular emphasis will be put on **interdisciplinary team work** by systematically mixing students of different profiles.



Compared to other programs organized around **management**, **technology** and/or **sustainability** around the world, the SMT Master program is **unique in focusing on all three dimensions** simultaneously and in a balanced manner. Moreover, it brings together the expertise of **three complementary academic institutions** of international excellence.

The first three semesters (90 ECTS) consist of courses and team projects structured in three blocks, with **sustainability** being the guiding thread: **Technology**; **Economics & Management**; and **Transferable skills & Team projects**. During the **Integration Weeks**, students will improve their personal, group and organizational effectiveness. The fourth semester consists in a Master Project based on an **Internship in Industry** (30 ECTS).

Building on **theory and real-life applications**, the program enhances personal and social skills by encouraging **interdisciplinary team work on practical projects** and by systematically mixing students of different profiles. The formal course work and team projects will be completed and enriched by lectures and workshops with **experts from industry**.

The SMT master program will **train the next generation of entrepreneurs and intrapreneurs** to conduct business for the benefit of their organizations, the environment and society in general. **Graduates** will be able to **lead teams** in multiple disciplines and **solve complex problems** in different organizations (corporations, start-ups, NGOs). They will also be ready to take non-traditional positions and pursue their ideas as entrepreneurs, **by integrating sustainability** in their core activities.

Technology

Data science and machine learning EPFL 5	Statistics and data science Unil 4 <small>Unil Université de Lausanne HEC Lausanne</small> EPFL
Robotics for society EPFL 4	Information security & digital trust Unil 4 <small>Unil Université de Lausanne HEC Lausanne</small>
Science of climate change EPFL 4	Digitalization & sustainable logistics Unil 3 <small>Unil Université de Lausanne HEC Lausanne</small>
	Energy supply, economics & transition EPFL 2

Economics & Management

Economics for challenging times Unil 6 <small>Unil Université de Lausanne HEC Lausanne</small>	Legal aspect of sustainability & digitalisation Unil 5 <small>Unil Université de Lausanne HEC Lausanne</small>
Sustainable & entrepreneurial finance EPFL 5	Strategy & disruption Unil 3 <small>Unil Université de Lausanne HEC Lausanne</small> IMD
	Introduction to ethics & critical thinking Unil 3 <small>Unil Université de Lausanne HEC Lausanne</small>
	Essentials of for-profit & hybrid entrepreneurship EPFL 3
Globalisation, robotics and the future of work EPFL 4	Platforms & digital business models Unil 3 <small>Unil Université de Lausanne HEC Lausanne</small>
	Marketing & sustainability in a digital world IMD 3
	Sustainability accounting Unil 3 <small>Unil Université de Lausanne HEC Lausanne</small>

Transferable skills & Team projects

Transformative project IMD 10 <small>Unil Université de Lausanne HEC Lausanne</small> EPFL	Complex problem solving in organizations IMD 3
	Leadership essentials IMD 2
	Strategic partnership IMD 2

Integration Weeks

Improve your personal effectiveness IMD 3	Improve your group effectiveness IMD 3	Improve your organizational & societal effectiveness IMD 3
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Master Project

Internship in industry Unil EPFL IMD 30 <small>Unil Université de Lausanne HEC Lausanne</small>

The number next to each course represents the allocated ECTS credits



Eligibility conditions and application procedure

Candidates must hold a **Bachelor's degree** either with an **engineering profile** or a **management/economics** profile with a minimum average grade of 4.5 or equivalent over the entire Bachelor's program. Moreover, candidates with an **engineering profile** should have been exposed to **economic and management reasoning and modelling** and have a strong achievement record in corresponding courses. Candidates with a **management/economics profile** should have a strong achievement record in **data science and quantitative methods** (e.g., probability and statistics, econometrics, machine learning, etc.).

The admission is based on the **quality of the application**: excellent academic record, relevance of the Bachelor's degree and motivation of the candidate (i.e., demonstrated interest in topics related to sustainable management and technology).

Candidates should apply on the EPFL [online application platform](#). There are 2 deadlines: **December 15th & April 15th** – both are for the September start. Successful candidates will be officially registered at EPFL with access to facilities on the UNIL and EPFL campuses

For more details check: www.e4s.center/train/

