

competitive manufacturing





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Global manufacturing Innovation will be led by Europe

EIT Manufacturing's mission is to bring European manufacturing actors together in innovation ecosystems that add unique value to European products, processes and services and inspire the creation of globally competitive and sustainable manufacturing.

The European Institute of Innovation and Technology (EIT) is an EU body created in 2008 to strengthen Europe's ability to innovate. Today it is Europe's largest innovation ecosystem with over 2,000 partners.

The EIT supports the development of dynamic, long-term thematic partnerships (Knowledge and Innovation Communities, EIT KICs) among companies, research and higher education institutions, to face specific societal challenges. Together with their leading partners across Europe, the EIT Community offers a wide range of innovation and entrepreneurship activities across Europe: Entrepreneurial education courses, business creation and acceleration services and innovation driven research projects. The EIT Community helps innovators turn their best ideas into cutting-edge products, services and jobs for Europe.

Unique EIT model highlights:

•Provides access to a community that powers innovators through the entire innovation journey, from education to lab to market

•Embraces disruptive and incremental innovation and embeds entrepreneurial education activities in its innovation activities •Business-oriented with strong focus on financial sustainability •Delivers a pan-European bnetwork strongly anchored in local innovation ecosystems. EIT Manufacturing is an Innovation Community within the European Institute of Innovation & Technology (EIT) – that connects the leading manufacturing actors in Europe. Fueled by a strong interdisciplinary and trusted community, we will add unique value to European products, processes, services – and inspire the creation of globally competitive and sustainable manufacturing.

EIT Manufacturing's approach is designed to immediately and forcefully address specific economic and societal challenges, leveraging opportunities to maximise the impact for a successful European manufacturing.

Our vision is that the global manufacturing innovation is led by Europe.

Our mission is to bring manufacturing actors of Europe together in innovation ecosystems that add unique value to European products, processes, services – and inspire creation of globally competitive and sustainable manufacturing.



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CLC West [San Sebastian]



The programme

University partners

The syllabus

Admission and Finance







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TABLE OF CONTENTS

GENERAL INFORMATION

Locations: France, Italy, Switzerland Duration: 2 years Application deadline: 1st March 2022 Language: English Study Type: Campus Pace: Full-time



What are the obtained diplomas? 2 Master's Degrees (issued by the entry and exit universities) An EIT Label Certificate

Partner Universities





UNIVERSITY

OF TRENTO

University of Applied Sciences and Arts of Southern Switzerland

SUPSI

PARTNER UNIVERSITIES



International development is at the heart of the Centrale Nantes's strategic policies: 42% of the campus population is international. ECN's international policy extends to research & corporate projects: its research laboratories have strong connections with industry and enjoy a world reputation for excellence, especially in Naval Hydrodynamics, Civil Engineering, Composite & Advanced Materials, and Robotics. ECN is currently involved in European projects as coordinator or partner, and is an active member of international networks of excellence.

Founded in 1962, the University of Trento is a young and dynamic university with 16,000 students and about 1,200 people working as faculty and administrative staff. Quality of research and teaching and internationalization are the main priorities of the University, along with excellent services, tailored to the needs of the students. Teaching is supported by a high level scientific research in different fields, with areas of distinguished quality at both a national and an international level.



University of Applied Sciences and Arts of Southern Switzerland

SUPSI

The University of Applied Sciences and Arts of Southern Switzerland (SUPSI) is one of the nine professional universities recognised by the Swiss Confederation. Founded under federal law, SUPSI offers more than 30 Bachelor's Degree and Master's Degree courses, characterised by cutting edge education which unites classical theoretical-scientific instruction with a professional orientation. Great care is given to research, carried out in key sectors on competitively acquired projects with large European and national agencies or mandated by organisations and institutions.



Type of Modules	Total Credits for EIT Manufacturing Master	Total credits Year 1	Total Credits Year 2
Technical courses	45		
Specialization courses	15	40-50	10-20
Innovation & entrepreneurship			
courses	30	10-20	10-20
Master Thesis	30	0	30
Total	120	60	60

* The syllabus is incoming

ADMISSION



Who can apply to the Master school?

 Students who have a Bachelor of Science Degree of 180 ECTS in a the field related to the track. Students in their final year of Bachelor of Science studies may also apply and if qualified, receive a conditional acceptance. They will have to present their degree certificate to the entry university before enrolment, at the latest. • The specific required admission diplomas are: B.Sc. degree in Mechanical Engineering, Electrical Engineering, Computer Engineering, Business Engineering, Management Engineering, Computer Science, Information Technology, Industrial Engineering or equivalent. Students Bachelor of Science degree should provide the student with basic competence in the following fields: engineering analysis, production operations, and mathematics including calculus, algebra, and mathematical statistics (basic competences in Python).

What are the language requirements of the EITM Master School?

All programmes are thought in English. Students are requested to provide an English certificate (IELTS, TOEFL, etc.) to prove their English proficiency* Minimum certificate grade is: • IELTS >= 6.5, with no section lower than 6 A photocopy of the IELTS test result together with your application documents is sufficient.

 TOEFL >= 93 (minimum 21 for writing, 19 in the other sections)

English test results from TOEFL should be sent directly from the ETS test centre to the EIT Manufacturing Master School Office (EIT Manufacturing Master School code number: C898)

- CAE: grades A C are accepted
- CPE: grades A C are accepted

*The TOEFL Test can be waived under certain conditions, please refer to the website for more details



FINANCE AND SCHOLARSHIPS

Tuition fees per year: 8,000€ for EU/EFTA candidates 15,000 for non EU/EFTA candidates

Fees include all programme expenses and insurance but do not cover living expenses and local university text books.

How are scholarships awarded?

Scholarships may include: mobility grant, subsistence costs support and fee waivers. Scholarships are awarded to a sub-set of students based on a ranking that considers:

- Academic grades
- Gender
- RIS countries citizenship*
- Study track

All students are eligible for scholarships and they don't need to present any specific request for it. The EIT Manufacturing Master School will rank the students and offer the scholarships at the time of the student admission.





<u>A WORD FROM THE</u> EIT MANUFACTURING



Paola FANTINI

Education Director EIT Manufacturing

In the EIT Manufacturing Master programmes, students will gain the capabilities, opportunities and support from the network to become real entrepreneurs and change makers, to pursue the career they want to take. They will learn to question the status-quo, identify challenges and opportunities, mobilize energies, develop and promote innovative solutions. They will become skilled at dialoguing, reasoning and negotiating with peers and other stakeholders, in addition to acquiring excellent technical and business competences.



Lucia RAMUNDO

Master and PhD Program Manager

Our programmes allow students to become experts in innovative manufacturing fields from both from both the technological and business and management side. We develop their leadership, creativity and all soft skills needed to navigate the complex industrial landscape while also taking into account the needs of society.

Data Science and AI for competitive manufacturing programme is a Master of Science level programme within the EIT Manufacturing Master School. The EITM Master School is a highly prestigious Manufacturing Engineering and Science education provider on an advanced level with a focus on Innovation and Entrepreneurship (I&E). The education at EIT Manufacturing Master School combines technical competence with skills Innovation and Entrepreneurship. in EIT Manufacturing Master School students will be an elite group of forthcoming engineers, operators, innovators, and other relevant professionals.

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Making innovation happen!

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About EIT Manufacturing

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Keep up with the latest on:

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