

SUPSI

CAS in Integrated Technologies (IT)

Descrizione

Codice

DTI IT

Presentazione

The focus of this CAS is preparing the students to tackle the issues of the transportation planning and management. It will address technical subjects related to maintenance, production and safety of the transportation sector. With an industry minded approach, this course, will cover topics such as process engineering, maintenance planning and changes, safety in technical activity and much more.

This CAS is included into the MAS Railways and Sustainable Mobility (RSM). It trains both technical and management leaders, seeking a career in the transportation industry or in the public/private sectors of mobility & transportation. The participants acquire the skills needed in departments such as research and development, production, consultancy and public institutions. They will also acquire the knowledge for managing complex interdisciplinary projects.

Attendees are going to study production and maintenance related to transportation in a wide context. Participants will learn about the latest technologies, how to prepare a maintenance plan, how to design a production process and implement it, how important is safety and use the required tools. This revolutionary course will allow the students to be at ease in every situation. You will be considered a knowledgeable and reliable counterpart.

Obiettivi

- Understand the fundamentals and the basics of maintenance, processes, and safety
- Comprehend and understand how to correctly apply safety standards & safety management
- Understand how to correctly apply human factor science and safety management
- Be capable of developing maintenance concepts with entrepreneurship flair
- Understand how to correctly apply (technical) integration techniques and how to implement an integration process
- Understand the impacts of changes and the correlated risks

Destinatari

This CAS is devised for engineers, managers, entrepreneurs and experienced employees from the mobility sector as well as to professionals interested to work in this sector through the acquisition of the knowhow provided by this course.

Requisiti

Bachelor Graduates from Engineering Programs, Management or other Technical and Scientific faculties. Non-graduates Professionals and Managers from the fields Railways and Mobility with at least 3 years experience with a presentation of a complete Dossier. The Master is held in English (lessons and documentations) therefore a good command of English is required.

Certificato

Certificate of Advanced Studies SUPSI in Integrated Technologies

Crediti di studio

11 ECTS

Contenuti

Programma

Module 1

Planning & processes (PLP) - 48 hours (4 ETCS)

Module 2

Maintenance system (MXS) - 48 hours (4 ETCS)

Module 3

Safety management (SAM) - 36 hours (3 ETCS)

Full program description is available on the website:

<http://www.msfi.ch/Certificate-of-Advanced-Studies-SUPSI-in-Integrated-Technologies-InTech>

Durata

132 hour-lessons

Responsabile/i

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MEMTi - Mechanical Engineering and Materials Technology Institute

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T +41 91 866 22 22

www.msfi.ch / rsm.msfi.ch

Relatore/i

Industrial experts and academic specialists.

Informazioni

Iscrizione ai corsi

Within July 5, 2019

Date

Safety management

12 July, 10 August, 7, 27 September 2019

Maintenance system

13 July, 9, 24 August, 6, 7 September 2019

Planning & processes

26, 27 July, 23 August, 20, 21 September 2019

Orari

Friday 09:30 – 18:30

Saturday 08:30 – 18:30

Weekly block classes at company's selected location available upon request (1 ON, 1, 2 or 3 OFF).

All RSM courses can be offered as a continuous 4 days for 4 weeks "Summer School" or "Block" class.

Luogo

At the "Officine FFS" in Bellinzona (5 minutes walking from the station).

Costo

CHF 6'100.–

For those who already have attended a CAS of the MAS – RSM, the cost is CHF 5'700 with a further reduction of 10%. These costs include the final exam, the issue of the certificate and the documentation.

Companies with more than three (3) enrolled participants will be granted a special discount.

Osservazioni

Mandatory 2-day practical experience

Students shall choose two of the following experiences:

- Train conductor - (Chef Kundenbegleiter, chef de train, capo treno)
- Train driver - (Lokführer, conducteur de trains, macchinista)
- Traffic engineer - (Verkehringenieur, ingénieur des transports, ingegnere del traffico)
- Train controller - (Zugverkehrsleiter, chef circulation des trains, responsabile circolazione treni)
- Client advisor - (Kundenberatung, conseiller clientèle, consulente della clientela)
- Transport police - (Transportpolizei, police des transports, polizia dei trasporti)
- AD Project Experience - (Autonomous Drive)
- Vehicle hand-on – (Unterhalt und Service, entretien et service, manutenzione e servizio)

Credits: no credits

Lectures

Tuition and documentation will be in English, but we can assist the students in Italian and German. If you wish to attend the course in another language, please mention it during registration and select between Italian and German. The Course could be held in another language if there were at least 8-10 participants.

Informazioni di contatto

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