



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI FORLÌ

Master's degree in Mechanical Engineering for Sustainability

Monday, September 30th 2024

School of Engineering- Forlì Campus

Department of Industrial Engineering

Via Montaspro, 97 Forlì

Master's degree in Mechanical Engineering for Sustainability

DIN – Department of Industrial Engineering

School of Engineering

Forlì Campus

DIN offers courses in:

- Aerospace Engineering
- Mechanical Engineering

In Forlì



Mechanical Engineering for Sustainability



Course Structure

- First Year: 57 ECTS

- 51 ECTS → 6 required courses
- 6 ECTS → 1 elective course

Required Courses (51 ECTS)

Elective Course (6 ECTS)

- Second Year: 63 ECTS

- 18 ECTS → 3 required courses, depending on the chosen guided choice
- 6 ECTS → 1 required course
- 12 ECTS → 2 elective courses
- 12 ECTS → interdisciplinary labs / learning by doing activities
- 15 ECTS → thesis/internship

Guided Choice Courses
(18 ECTS)

Required Course (6 ECTS)

Elective Courses (12 ECTS)

Interdisciplinary
Laboratories (12 ECTS)

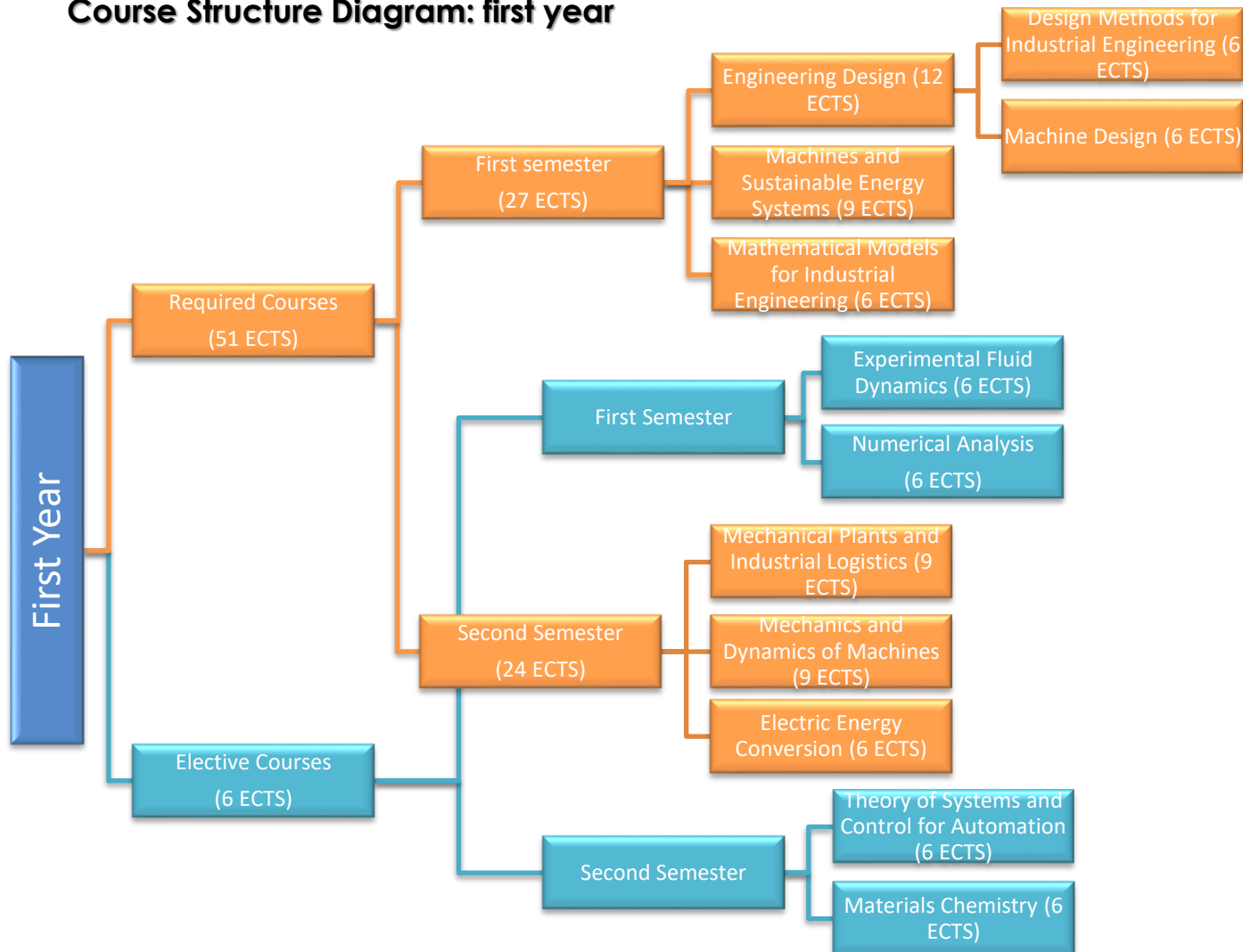
Final Project/Internship
(15 ECTS)



Mechanical Engineering for Sustainability



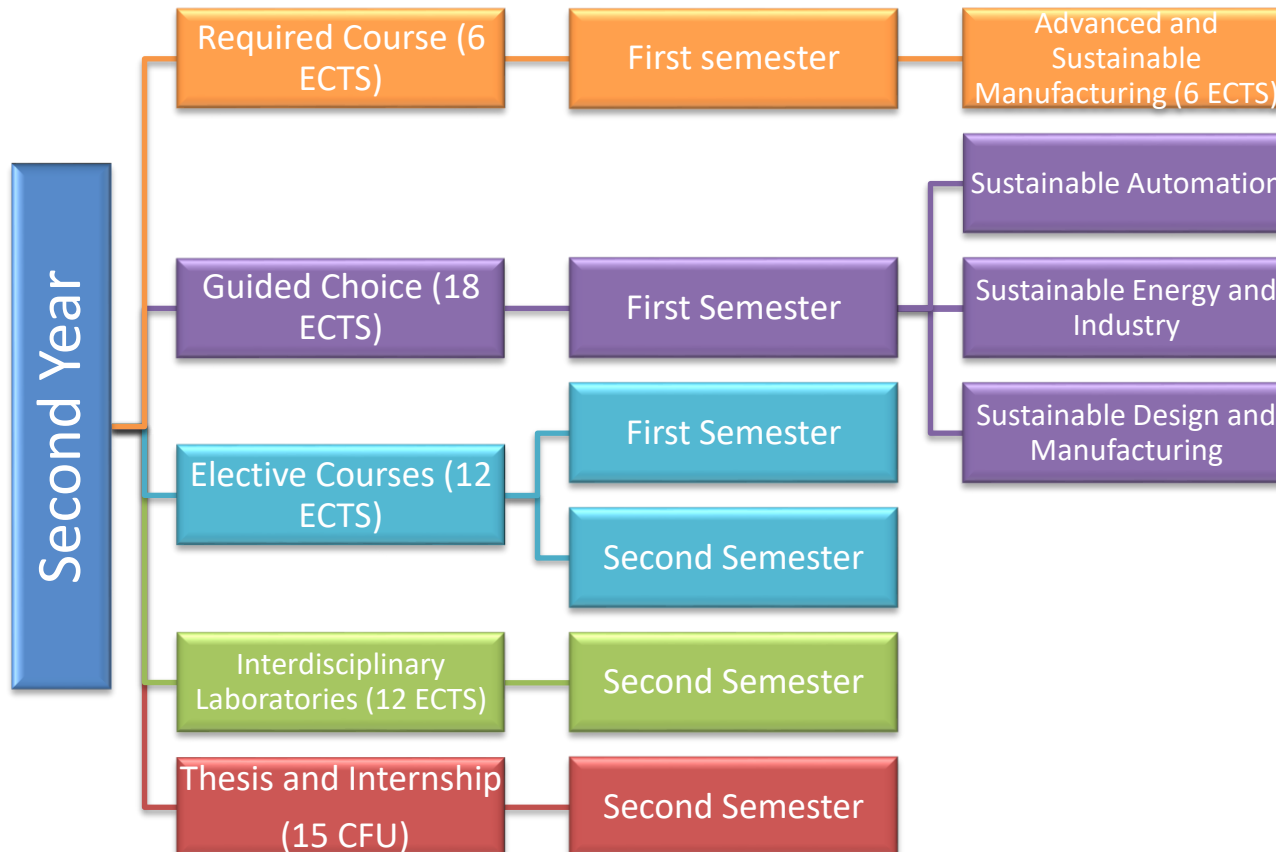
Course Structure Diagram: first year



Mechanical Engineering for Sustainability



Course Structure Diagram: second year



CFU-University Educational Credits

CFU are a tool used to measure the quantity of learning, including individual study, required of a student in order to acquire knowledge and skills in the learning activities envisaged in the degree programme.

CFUs are obtained by passing exams or other assessment tests.

Credits define the quantity of work; the quality of the student's performance on the other hand is documented by a grade (18/30 minimum to pass).

ECTS=CFU

1 CFU = 25 hours

10 class lecture + 15 individual study

6 CFU = 150 hours

60 class lecture + 90 individual study



I don't understand how I failed this exam



Don't wait January exam session to start studying

- Raise your hand during lessons, ask questions and be participative
- Consult professors during office hours
- Ask for help to our Tutor



Who are my points of contact?

Degree Director

Professor Giangiacomo Minak

Programme Coordinator

Giulia Chiadini

Mechanical Engineering Tutor

Alessandro Riceputi

Tutor for International Mobility

Giulio Traversa

For contact details, please visit: <https://corsi.unibo.it/2cycle/MechanicalEngineering-Forli/contacts>



Degree Director

Prof. Giangiacomo Minak

- The Director is responsible for the implementation of the Board's guidelines and liaises with the relevant Departments and Schools
- Represents the master's degree at promotional and counselling events
- Can be consulted for issues related the activities of the master's degree

Giangiacomo.minak@unibo.it

Office hours: upon appointment



Programme Coordinator

Giulia Chiadini

- Point of contact for the master's degree Aerospace Engineering and Mechanical Engineering for Sustainability students
- Support with applications and enrolment
- Welcome and informative meetings and events
- Support for Italian and foreign students during their academic career

Didatticaforli.ingstudenti@unibo.it

Giulia.chiadini2@unibo.it

Via Montaspro 97, 1° floor 19/A



Mechanical Engineering for Sustainability

Tutor

- acts as an **interface** between the students and the Degree Programme to offer a reference for the teaching activities
- to collect information and comments, as well as to receive any **claims** or **feedbacks** about existing critical conditions or any requests regarding logistic and organizational aspects or other issues.
- maintaining the **contacts** with students who may for various reasons (for example, job activities) encounter major difficulties at tests/exams and of setting up a clear programming for their studies and career.

didatticaforli.tutoringmeccanica@unibo.it

Office hour: via Montaspro 97 (1° floor office 18)
upon appointment by email



International Mobility Tutor

- Help to fill out the Learning Agreement
- Support for students involved in Erasmus+ mobility (studies and traineeship)
- Help incoming international students
- Information for research and thesis preparation abroad

didatticaforli.internazionalizzazione.ing@unibo.it

Office hour: upon appointment by email

Via Montaspro 97, room 18



What am I supposed to do as a new student?

- Complete your enrolment
- Finalize tuition fees calculation
- Complete the study plan
- Attend lessons
- Sign up for exams



Complete your enrolment

To complete the enrolment, you need to **validate your identity** and activate your career. Italian students can use **SPID credentials or the CIE** to log into Studenti Online so that the identity will be automatically validated.

If you are an international Student with a foreign qualification, please contact the Student Administration Office in Forlì Campus to book an appointment and validate your identity. After this procedure and after all the necessary documents regarding your bachelor's degree have been submitted, your career will be active, and you can start to use all the services of the University.

You will receive an e-mail on your inbox @studio.unibo.it with the instructions to **get the badge**.

SPID is the digital and personal identity of each citizen, with which he/she is recognized by the Public Administration to use digital services in a personalized and secure way.

In order to activate your SPID you need to possess a valid Italian identification document. If you have a EU or non-EU citizenship, you will need to request one at the Anagrafe office of Forlì after you register your residency in Italy.



Complete your enrolment- Contact the Student Administration Office

Get in contact with the Student Administration Office through the **VIRTUAL HELPDESKS** -The new service for video calling your Student Administration Office and Right to Higher Education Offices

You can speak to a dedicated operator by connecting or by making an appointment during opening hours

Office hours

Tuesday 09:00-12:00 V 14:00-15:30 V

Wednesday 09:00-12:00 V

Thursday 09:00-12:00 P 14:00-15:30 V

Friday 09:00-12:00 V

Address: Padiglione Melandri, Piazzale Solieri 1, 47121 Forlì

E-mail: segforli@unibo.it



Complete your enrolment- Non-EU citizens requiring a permit of stay

A very useful check-list is available at

<https://www.unibo.it/en/teaching/enrolment-transfer-and-final-examination/international-students-how-to-prepare-for-enrolment-1/checklist-for-non-eu-students-residing-abroad-already-admitted-to-a-degree-programme>

Regarding doubts about the Residence Permit:

<https://www.unibo.it/en/teaching/enrolment-transfer-and-final-examination/visa-and-rules-for-residence-in-italy/residence-permit>

If you matriculated by submitting only the entry VISA for study purposes, your (conditional) enrolment will be activated only after the receipt has been recorded, so send a copy to the Student Administration Office.

Having collected your residence permit, submit a copy to the Student Administration Office, as your enrolment is subject to the acquisition of the residence permit. If you forget it, after 180 days from the application date you will no longer be allowed to sit for exams or request certificates.



Tuition fees and ER.GO Scholarships

Tuition fees are calculated based on the 2024 ISEE value with special subsidies in relation to the right to higher education.

With an **ISEE value up to €27,000**, first year students and students that meet merit requirements are totally exempted from paying tuition fees.

Above this limit, fees are calculated progressively, more favorably for students who have a low income and meet merit requirements.

Other situations can be found here at the specific page: <https://www.unibo.it/en/study/enrolment-fees-and-other-procedures/degree-programmes/tuition-fees-and-exemptions/fees-and-exemptions-amounts-deadlines>

FAQ: <https://www.unibo.it/en/study/enrolment-fees-and-other-procedures/degree-programmes/tuition-fees-and-exemptions/faqs-frequently-asked-questions-tuition-fees>

As an **international student**, your tuition fees will be calculated according to your country of origin and the country where your family has income and assets.

<https://www.unibo.it/en/study/enrolment-fees-and-other-procedures/degree-programmes/tuition-fees-and-exemptions/reduced-fixed-fee-for-citizens-of-particularly-poor-and-developing-countries-or-non-eu-non-oecd-countries>



Tuition fees and ER.GO Scholarships

Questions about fees, exemptions and scholarships? Talk to us on Fridays!

Join the online meetings in which University of Bologna and ER.GO operators offer information on fees, opportunities for exemption or reduction, and how to obtain right-to-study benefits.

When to participate

Every Friday **from 28 June to 15 November**, from 11:00 to 13:00.

We will suspend the meetings on 16 August and 23 August.

How to participate

The meetings are conducted entirely in Italian and online through the Microsoft Teams platform. On Fridays at 11:00, [access the meeting room.](#)

<https://www.unibo.it/en/news-and-events/notice-board/questions-about-fees-exemptions-and-scholarships-talk-to-us-on-fridays>



Studenti Online Homepage

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mobile devices, like smartphones and tablets, it is necessary to delete the account setup and recreate it within the same app (e.g. the email program pre-installed on the mobile device) by selecting Office365 mode, if available, or Exchange mode.

Requests in progress **2**

[Bookings](#)

Status	Id	Type	Description	Start date
Applications concluded		Study grant	Bando Congiunto Unibo - Er.go Per L'assegnazione Di Interventi A Favore Di Studenti In Situazioni Di Particolari Difficolta' - Anno Accademico 2021/2022	01/03/2022 See detail >
Application submitted		Study grant	Bando Di Concorso Per L'assegnazione Di Incentivi Alle Iscrizioni A Corsi Di Studio Inerenti Ad Aree Disciplinari Di Particolare Interesse Nazionale Per L'anno Accademico 2017/2018*	23/11/2018 See detail >

[See all >](#)

 Admission application Take part in the selection	 Registration Enrol in a Degree Programme	 Exams - AlmaEsami Enrol for exams and progress tests	 Bookings Register for entrance exams, language test, job placement ...	 Transport pass application Apply for TPER transport pass at a subsidised price	 Fee situation - Enrolment Check your fee situation and make payments
 Certificates and self-certifications Print self-certifications and certificates with stamp	 On-line records book Check your university career	 Calls Opportunities offered to you by the University	 Language exam recognition Request language exam recognition	 Study plan Complete your study plan	 Graduation Launch the graduation procedure
 Programme transfer Request to transfer to another Degree Programme	 Transfer Request transfer to another university	 Withdraw from studies Complete the application for withdrawal from studies	 Suspension of studies Request Suspension of studies	 Diploma supplement Request the Diploma Supplement	 International mobility - AlmaRM International exchange programmes
 Internships Find internship offers and host organisations Activate the internship	 Job placement Search the job vacancy noticeboard	 Badge duplicate Fill in the badge duplicate application	 Inserisci il tuo CV Inserisci il tuo CV per AlmaLaurea	 Extension of the study period as part time student Apply for the extension of the study period as	 Shortening of the degree program Apply for career shortening

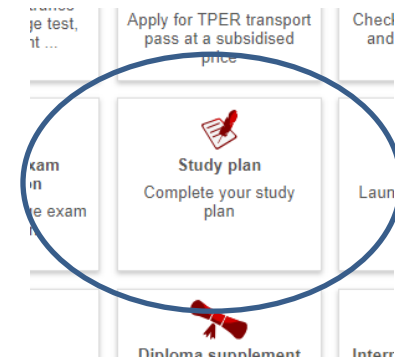


Complete your study plan for a.y. 2024-2025

The study plan is the complete set of exams that you need to sit in order to graduate. Some exams are compulsory, while others are **elective**.

A study plan can be presented by properly enrolled students who have paid their tuition fees and, in the case of international students, who hold a valid residence permit.

To be submitted **online** on <https://studenti.unibo.it>



First period: 30th September to 8th November 2024

Exceptional extra opening from November 25th to December 20th 2024 just for first year students

Second period: 10th February to 7th March 2025



Complete your study plan for a.y. 2024-2025:

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4:00-

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Scuola	Ingegneria e architettura
Tipo	Laurea magistrale
Corso di studio	5980 - Mechanical engineering for sustainability

Iscrizione anno accademico 2023/2024 presente

Situazione tasse [Vedi dettaglio >](#)

Anno di iscrizione	1 - In corso
Durata	2
Anno Immatricolazione	2023
Stato	Attiva

Dettaglio carriera

Cod.	Attività formativa		Crediti	Esito	Data verb.
Primo anno di corso					
B2377	Electric energy conversion		6		
B2369	Engineering design (i.c.)		12		
B2376	Mechanics and dynamics of machines		9		
B2374	Mathematical models for industrial engineering		6		
B2375	Mechanical plants and industrial logistics		9		
B2373	Machines and sustainable energy systems		9		

Numero dei crediti sostenuti utili al conseguimento del titolo: 0 / 120

I crediti della prova finale non sono considerati nel calcolo dei requisiti della domanda di laurea e verranno aggiunti automaticamente al momento del conseguimento del titolo.



Complete your study plan for a.y. 2024-2025

Mechanical Engineering for Sustainability

Elective Course - 6 CFU

Students must choose one course among those available (1st or 2nd semester) - Students who are interested in selecting the 'Sustainable Automation' guided choice in the second year must have already registered at least 6 credits in the scientific disciplinary sector ING-INF/04 in the previous career (degree) or in the first year of this master's degree.

12 CFU will be chosen during year 2, so as the Guided choice and the labs

Students may ask the Degree Board to add some different activities to their study plan which are not included in the Degree curriculum but offered by other Degrees of the University of Bologna.

In this case, you must submit the paper module to the Engineering Degree Office.

The Degree Board will evaluate the request and approve/deny the proposal.



Attending lessons- course timetable

<https://corsi.unibo.it/2cycle/MechanicalEngineering-Forli/timetable>
Homepage-> Studying > Course Timetable

HOME / STUDYING /
Course Timetable
View the lecture schedule for the year you are enrolled in.

YEAR OF STUDY
1st year

Lecture Terms: Lectures will be held with students attending in person. Some degree programmes may schedule a limited number of... [Read more](#)

Lecture schedule (1st year) - Mechanical Engineering for Sustainability (codice 5980).
Data can change. Please check this page regularly.

Filter by teaching

< 23 – 29 Sep 2024 >

	MON 9/23	TUE 9/24	WED 9/25	THU 9/26	FRI 9/27	SAT 9/28	SUN 9/29
8am	B2373 - MACHINES AND SUSTAINABLE ENERGY SYSTEMS (9 CFU) Stefania Falfari AULA 1.3						
9am		B2379 - EXPERIMENTAL FLUID MECHANICS (6 CFU) Massimo Guerrero AULA 1.3	B2373 - MACHINES AND SUSTAINABLE ENERGY SYSTEMS (9 CFU) Stefania Falfari AULA 1.3	37261 - NUMERICAL ANALYSIS (6 CFU) Lucia Romani AULA 0.4			
10am							
11am	37261 - NUMERICAL ANALYSIS (6 CFU) Lucia Romani LAB 0.3			B2374 - MATHEMATICAL MODELS FOR INDUSTRIAL ENGINEERING (6 CFU) Leonardo Seccia AULA 1.3	B2374 - MATHEMATICAL MODELS FOR INDUSTRIAL ENGINEERING (6 CFU) Leonardo Seccia AULA 1.3		
12pm		B2373 - MACHINES AND SUSTAINABLE ENERGY SYSTEMS (9 CFU) Stefania Falfari	B2370 - ENGINEERING DESIGN (I.C.) / MACHINE DESIGN (6 CFU) Cristoforo Monti				

Please check it regularly (every morning) for any changes or lesson cancellation



Italian Language classes for international students (B3120)

Self-study tutor-assisted learning for Italian language beginners

The Language Center of the University of Bologna offers online Italian courses to international students who are absolute beginners in the Italian language and who are enrolled in degree programs that are taught in English and have set an Italian language requirement.

The course is offered **online in blended mode** with 10 hours of self-study and 40 hours of online meetings with a tutor (5 times a week for 4 weeks). The course is offered for CEFR levels A1 and absolute beginners. Enrolment in the class is free of charge.

To participate, you must register through StudentiOnline (SOL Bookings). The 2024/2025 calendar and the deadlines for registration will be made available on this page.

<https://centri.unibo.it/cla/en/courses/self-study-tutor-assisted-learning-for-italian-language-beginners>



Online services

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ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI FORLÌ

SECOND CYCLE
MECHANICAL ENGINEERING
SUSTAINABLE

HOME PROGRAMME ADMISSION STUDY

IT EN

OVERVIEW ▶ OPENDAY ▶

PROGRAMME TYPE
Laurea Magistrale (Second cycle degree/Two year Master - 120 ECTS)

TYPE OF ACCESS
Open access with assessment of personal competencies

Students

- AlmaEsami
- AlmaRM
- Certificates
- Document and library services
- Esami online - EOL
- Internships
- Job vacancy noticeboard
- Language courses
- Studenti Online
- Study plans
- Teaching Staff-Student Distribution lists
- Tesi online
- UniboStore
- Virtuale

Staff

- AlmaEsami
- AlmaRegistri
- AlmaRM
- Cedolini web
- Concilium
- Document and library services
- Esami online - EOL
- Incarichi extraistituzionali
- Internships
- IRIS - Institutional research archive
- NormAteneo
- OrganiWeb
- Personal Website
- Presenze web
- Teaching Staff-Student Distribution lists
- Tesi online
- Titulus
- UniboImmagine
- U-Web Reporting - Projects Accounting Reporting
- Virtuale
- See all

Close

Forlì English

DEGREE PROGRAMME CLASS
LM-33 - Mechanical engineering

DEGREE PROGRAMME DIRECTOR
Enrico Corti



Health and Safety in the Workplace training course aimed at students

The training courses, partly online and partly taught in class, targets all those students who will carry out activities in university laboratories or in private companies during their degree programs (training in laboratory, internships projects, thesis, etc.) and are for these reasons treated equally to workers (art.37 Italian law nr. 81/08, letter a)

This is an important opportunity aimed to provide knowledge and raise awareness on health and safety in the workplace, but most of all **it is mandatory.**

General training (module 1) provides a no-expiry certification which is recognized in private and public company in Italy. **Training on specific risk types (module 2 and 3)** provide a certification expiring after 5 years (external companies can recognize this certification or part of this).

More info and registration instructions at

<https://corsi.unibo.it/2cycle/MechanicalEngineering-Forli/health-and-safety-mandatory-training>



Study halls and libraries



Teaching Hub (Viale Corridoni n. 20)
Monday- Friday 08:00 - 21:00; Saturday 08:00 - 13:00



Sala Studio University Canteen (Piazzale Igino Lega n. 20)
Monday- Friday 9:00 - 18:00.



Central Library "Roberto Ruffilli" (Via Caterina Sforza, 45)
orari: Monday- Friday 9:00-24:00 Saturday-Sunday 9:00-18:00.



Residenza Universitaria "Sassi Masini" (Via Maroncelli, 15)
orari: Tuesday 18:00 – 24:00; Friday, Saturday, Sunday 8:30 – 24:00.



Study room at the Engineering Department (Via Montaspro, 97)
orari: dal Monday- Friday 8:00 - 19:00.



Other services at Forlì Campus

The laboratories have 170 personal computers from which internet access.

- **Laboratori Informatici di Campus (LABIC)**

Two black and white laser printers are installed at the Labic and are available to users and a printer is installed on the ground floor of the Engineering headquarters.

- **Printing service**

It deals with the promotion of basic and competitive sport within all university schools in Bologna and the surrounding areas.

- **CUSB Centro Universitario Sportivo Bologna**

The Service is aimed at young people who have emotional and relational problems, affective and behavioral disorders, difficulties in university and/or working life, and is free for students of the University of Bologna.

- **SAP Servizio di Aiuto Psicologico**



Extra curricular activities

Learning by doing



Questions?





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Thank you for your attention!

The Staff of the Mechanical Engineering For Sustainability

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www.unibo.it