UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA
Dipartimento di Ingegneria "Enzo Ferrari"

Your Study Plan

How to Choose Your Courses
Master's Degree in Artificial Intelligence Engineering

Department of Engineering "Enzo Ferrari"

For students enrolled in A.Y. 2025/2026 and 2026/2027

UNIVERSITAS STUDIORUM MUTINENSIS ET REGINENSIS
1175

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What Is a Study Plan?

Your study plan defines the **courses and activities** you must complete to graduate.

- Some courses are **mandatory**.
- Other courses must be selected from **predefined groups**.
- Some courses can be chosen **more freely**.
- All choices must satisfy the rules of your **enrollment cohort**.

Key point

The goal is not just to reach **120 CFU**:

you must satisfy the requirements of **each course category**.

When Do You Submit Your Study Plan?

Enrollment cohort	Submission period
2025/2026	**15 Nov 2026 – 30 Jan 2027**
2026/2027	During A.Y. 2027/2028 *(dates to be confirmed)*

Second year, not first

You submit your study plan during your **second year**.

Exams first is fine

You may take exams **before** formally submitting your study plan.

Understanding the Degree Structure

Component	Cohort 2025/26	Cohort 2026/27
Mandatory courses	5 courses · 45 CFU	**6 courses · 48 CFU**
Characterizing courses of your choice	2 courses · 18 CFU	2 courses · 18 CFU
Related courses	2 courses · 12 CFU	2 courses · 12 CFU
Elective courses	18 CFU	**15 CFU**
Traineeship / Design Activity	9 CFU	9 CFU
Final Examination	18 CFU	**15 CFU**
Total	**120 CFU**	**120 CFU**

Red = differs from the 2025/26 cohort.

Mandatory Courses: Cohort 2025/2026

5 MANDATORY COURSES · 45 CFU

Both curricula

Machine Learning and Deep Learning	**9 CFU**
Computer Vision and Cognitive Systems	**9 CFU**

Applications

IoT and 3D Intelligent Systems	**9 CFU**
AI in Bioinformatics	**9 CFU**
Smart Robotics	**9 CFU**

Large Scale

Multimedia Data Processing	**9 CFU**
Distributed Artificial Intelligence	**9 CFU**
Scalable AI	**9 CFU**

Mandatory Courses: Cohort 2026/2027

6 MANDATORY COURSES · 48 CFU

Both curricula

Deep Learning Principles and Architectures	**9 CFU**
Computer Vision and Cognitive Systems	**9 CFU**

Applications

IoT and 3D Intelligent Systems	**9 CFU**
AI in Bioinformatics	**6 CFU**
Smart Robotics	**9 CFU**
AI for Industrial and Medical Appl.	**6 CFU**

Large Scale

Multimedia Data Processing	**9 CFU**
Distributed Artificial Intelligence	**9 CFU**
Multimodal and Document AI	**6 CFU**
Scalable AI	**6 CFU**

Important: some courses have changed their **names or CFU**, and new courses have been introduced.

How to Choose Your Characterizing Courses

Select **2 additional characterizing courses**, **9 CFU each**.

You can choose:

- eligible **9-CFU courses** from the **other AIE curriculum**;
- eligible characterizing courses from the **Master's Degree in Computer Engineering**.

Your curriculum	Possible choices (both cohorts)
Applications	Multimedia Data Processing (9), Scalable Data Management (9) *
Large Scale	IoT and 3D Intelligent Systems (9), Smart Robotics (9)

* Characterizing course of the Master's Degree in Computer Engineering (Ingegneria Informatica).

Cohort 2026/27

Pay particular attention to CFU: not all AIE courses are worth 9 CFU anymore.

How to Choose Your Related Courses

Choose **2 related courses**, **6 CFU each**.

These courses complement your AI engineering background.

Remember

Other courses are available in **Italian**.

Always refer to the list for **your enrollment cohort**.

English-taught related courses

Course	2025/26	2026/27
Neuroscience	✓	✓
Automotive Connectivity	✓	✓
HMI for Digital Application	✓	✓
Introduction to Quantum Information Processing	✓	–
Digital Signal Processing	–	✓

How to Choose Your Elective Courses

Elective courses let you **personalize** your study path.

You can choose courses from

- your AIE curriculum, if not already in your plan;
- the other AIE curriculum;
- the Master's Degree in Computer Engineering;
- other UniMoRe degree programmes, subject to eligibility and approval.

Before selecting a course, check

- its CFU and teaching language;
- its compatibility with your degree;
- whether it duplicates a course already in your plan;
- whether prior approval is necessary.

Cohort 2025/26

18 CFU (e.g., two 9-CFU courses or three 6-CFU courses).

Cohort 2026/27

15 CFU (e.g., one 9-CFU course and one 6-CFU course).

Your combination may **exceed the required total by up to 3 CFU**. If it exceeds this limit, you need to contact the student office.

A list of possible elective courses is available in **this table**. Course not listed? Write to help-inginf@unimore.it

Two Examples: Same Curriculum, Different Cohorts

Illustrative course selections for students in the **Applications** curriculum.

	Enrolled 2025/26	Enrolled 2026/27
Mandatory	45 CFU	48 CFU
Characterizing	Multimedia Data Processing (9) Distributed AI (9)	Multimedia Data Processing (9) Distributed AI (9)
Related	Neuroscience (6) HMI for Digital Application (6)	Neuroscience (6) **Digital Signal Processing (6)**
Electives	Big Data Management (9) Scalable AI (9)	**Scalable Data Management (9)** **Multimodal and Document AI (6)**

How to Make Good Choices

Choosing courses is not just about collecting credits.

Interests
Which AI areas would you like to specialize in?

Career goals
Which skills could help you in your future career?

Master's thesis
Could these courses support your thesis?

Prerequisites
Do you have the background needed?

Workload
Are your courses reasonably distributed across semesters?

Language
Can you follow the course and take its exam?

Choose a coherent study path, not just the easiest combination of exams.

How to Submit Your Study Plan

Step by step

1. Open `www.esse3.unimore.it`
2. Log in to your personal area
3. Select **Career Plan** (*Piano carriera*)
4. Choose your courses and review the plan
5. Submit and **verify** your plan

Going on Erasmus?

If you are abroad in the **1st semester of your 2nd year**, you can ask to **postpone** your study plan submission until you return.

Two possible submission modes

Pre-defined plan (APPR)	**Proposed plan (PROP)**
Standard choices	Specific non-standard cases
Automatically approved	**Requires evaluation**

Use PROP only when appropriate

e.g. for previously approved non-catalogue activities or recognized credits.

Common Mistakes to Avoid

- Using the rules of the **wrong enrollment cohort**.
- Selecting a **6-CFU** course for a **9-CFU** characterizing requirement.
- Counting the **same course twice**.
- Selecting a course taught in a **language you cannot understand**.
- Assuming that any UniMoRe course will be **automatically approved**.
- Missing the **submission deadline**.

Check before submitting

Do not submit a study plan without checking it carefully.

No plan submitted?

A **statutory study plan** will be assigned to you.

Where to Find Information and Get Help

Official information

AIE Master's Degree
https://inginf.unimore.it/aie-master-degree/

Study Plan Definition
https://inginf.unimore.it/page/aie-master-degree-study-plan-definition/

Study Plan – Cohort 2025/26
https://inginf.unimore.it/page/aie-master-degree-study-plan-ay-20252026/

Study Plan – Cohort 2026/27
https://inginf.unimore.it/page/aie-master-degree-study-plan-ay-20262027/

UniMoRe Course Catalogue
https://unimore.coursecatalogue.cineca.it/

Questions about your study plan?

help-inginf@unimore.it

Special administrative procedures

Paper forms or missing credit recognition:

segrstud.ingegneria@unimore.it