

The M2 programs after M1 Mosig

This document lists the main M2 programs you can apply to, after M1 Mosig.

For each program, the document specifies the courses that can have an impact on the selection process. It also lists some recommendations. More precisely, the 4 categories should be understood as follows:

- **Mandatory courses in M1 S7 or S8 with sufficient level required:** Your performance in these mandatory courses will be used as criteria during the selection process
- **Elective courses required in M1 S8:** The fact that you followed these elective courses will be used as criteria during the selection process
- **Recommended courses for M1 in S8:** Following these elective courses is recommended to prepare for the M2 program (but it will not be used as a selection criteria)
- **Other per-requisites :** Having basic notions about these subjects is recommended for the M2 programs (And so, you might want to follow the corresponding elective course if you have never followed such a course in the past)

Génie Informatique (In French – Apprenticeship possible):

- [Link to the M2 program](#)
- Mandatory courses in M1 S7 or S8 with sufficient level required: None
- Elective courses required in M1 S8: None
- Recommended courses for M1 in S8: Introduction to distributed systems
- Other per-requisites : None

Cybersécurité et informatique légale (In French – Apprenticeship mandatory):

- [Link to the M2 program](#)
- Mandatory courses in M1 S7 or S8 with sufficient level required: None
- Elective courses required in M1 S8: Introduction to cryptology
- Recommended courses for M1 in S8: Algebraic Algorithms for Cryptology, Fundamental Computer Science
- Other per-requisites: Computer Network Principles

Cybersecurity (In English):

- [Link to the M2 program](#)
- Mandatory courses in M1 S7 or S8 with sufficient level required: None
- Elective courses required in M1 S8: Introduction to cryptology
- Recommended courses for M1 in S8: Algebraic Algorithms for Cryptology, Fundamental Computer Science
- Other per-requisites: Computer Network Principles

Operations Research, combinatorics and optimization (In English):

- [Link to the M2 program](#)
- Mandatory courses in M1 S7 or S8 with sufficient level required: None
- Elective courses required in M1 S8: Operations Research
- Recommended courses for M1 in S8: None
- Other per-requisites: None

MOSIG-AI (In English):

- [Link to the M2 program](#)
- Mandatory courses in M1 S7 or S8 with sufficient level required: Mathematics for computer science, Introduction to AI
- Elective courses required in M1 S8: None
- Recommended courses for M1 in S8: Foundations of Data Science
- Other per-requisites: None

MOSIG-Cloud Computing and Data Infrastructures (In English):

- [Link to the old program](#) – The new program will include courses from the DC and SHCE tracks
- Mandatory courses in M1 S7 or S8 with sufficient level required: None
- Elective courses required in M1 S8: None
- Recommended courses for M1 in S8: Introduction to distributed systems or Parallel Algorithms and Programming
- Other per-requisites: Computer Network Principles, Data base foundations