



MSc Data-Eco

Tips from experienced students for a personal study planning

Choose your language combination

- English-French, English-German, English only, English-French-German

Finish the pre-requirements (if any) in the first two semesters

- Only applies if your acceptance was conditional on some courses.
- Pre-requirement courses are usually offered in French and in German. There are also recommended English textbooks.
- Pre-required courses cannot be substituted.

Consult the comprehensive list of courses

- unifr.ch/ecopol/en/teaching/master/master-data-analytics-and-economics/
- Make sure that you choose exactly from this list
- Check in the course catalogue (unifr.ch/timetable) when these courses are offered.
- Most courses are offered bi-annually. The mandatory courses are offered annually.
- [Master Courses Department of Economics; Academic Year Autumn 2022 / Spring 2023](#)

Learn elementary skills of programming in Python and R early.

- There are several courses on this topic in Module I and there are additional, non-credited offers (e.g. in *the Digital Skills program* or the *Winter School in Data Analytics and Machine Learning*).
- Ideally you complete the following courses during your first semester. They give you almost all the Python and R tools you are going to need during your master's program.
 - *Introduction to R / Programming with R* (Wegmann)
 - *Python Online Course* (Fill)

Learn elementary skills in game theory early

- e.g. course *Advanced Microeconomics* (Büchel / Herz)

Attend the two mandatory courses

- *Databases* (BA, SIN.03024, Fill):
Do as early as possible!
- *Machine Learning* (MA, SIN.08022, Cudré-Mauroux):
A tough course; best when you are at your peak in Python programming skills. Don't attend too many other courses while doing *Machine Learning*, you are going to need some time each week for assignments.

You can not accredit more than 9 ECTS from BA courses

- *Programmation Scientifique* can only be taken if *Databases* has been done within a BA program.

Changes in the course program

- Some courses have been upgraded from the Elective Module Specialization to one of the Compulsory Modules I or II.
 - For Module I: *Social Media Analytics*
 - For Module II: *Behavioral Economics, Network Science & Economics, Nouveaux Trends de l'Innovation*
- Each course counts in the module in which the student has taken it, i.e., in the Elective Module when taken until Fall 2022 and in Module I, respectively II, from 2023 on. Students who have taken such a course in the elective module and want to make it count in the respective compulsory module can contact the SES-Decanat with this request.

Make sure that you receive at least 20 ECTS (19.5 ECTS is not enough!) in both Module I and Module II.

Follow your interests!

For personal advice and specific questions, please contact students4students@unifr.ch. Your request will be forwarded to an experienced student.