Universität Stuttgart

Organization of modules - How to plan your master course

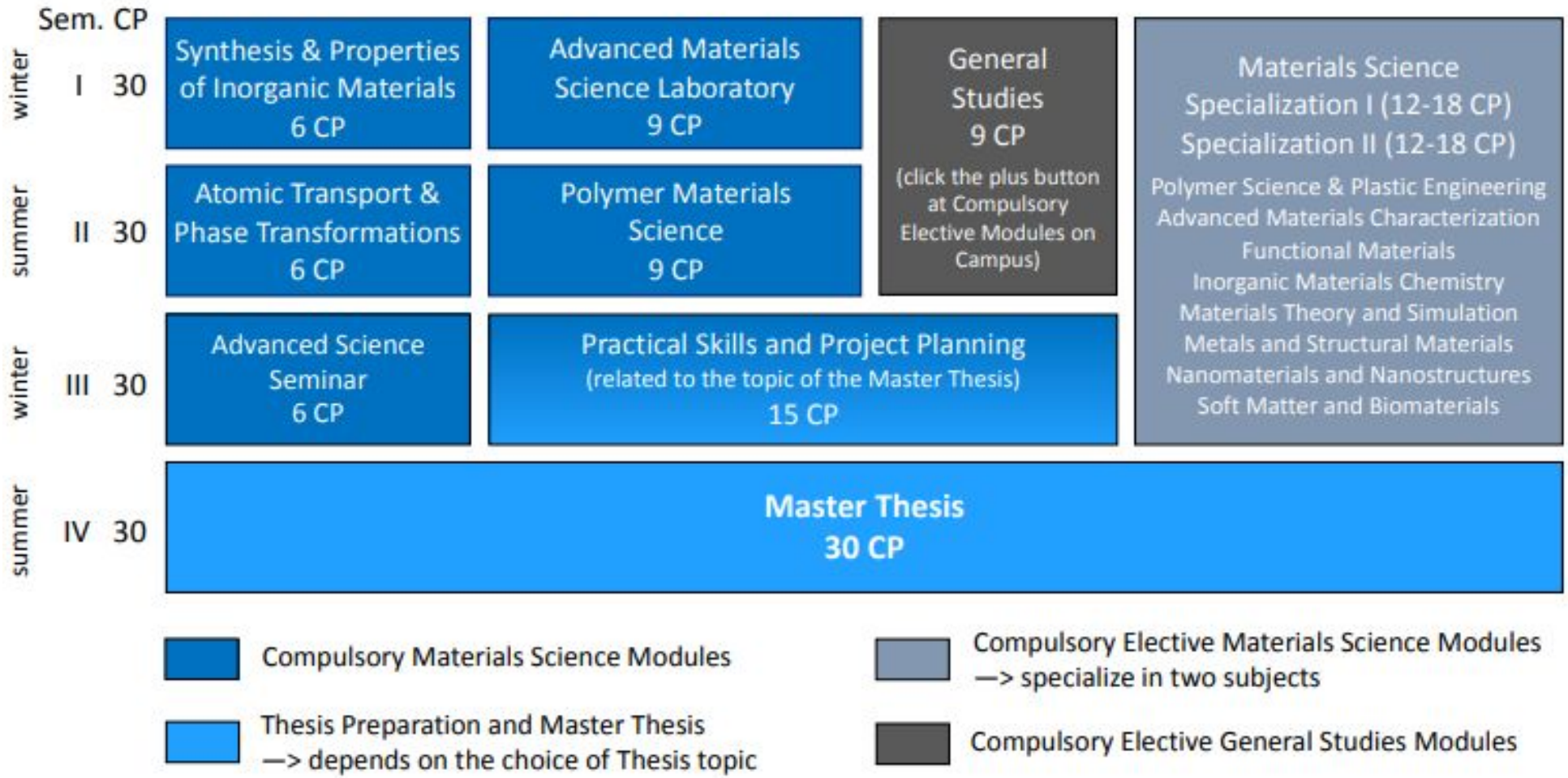
Fachgruppe Material-wissenschaft

Study information

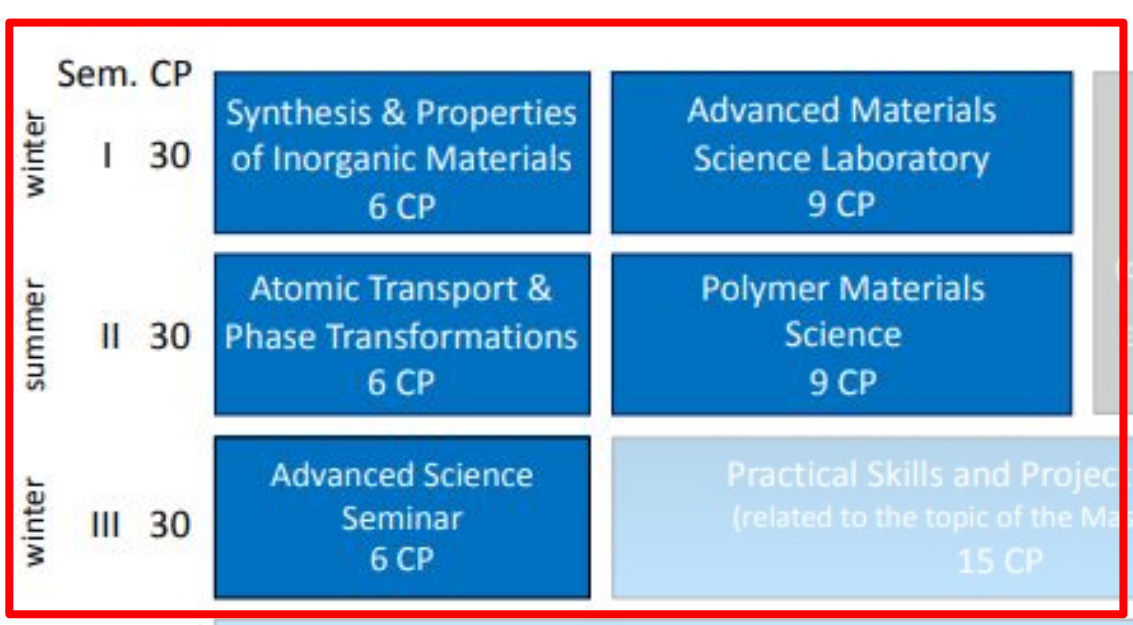
New Material Science Students

Master organization

The Materials Science Master is divided into the following modules which the student is expected to finish in the ideal period of 2 years



Master organization - Compulsory Materials Science Modules

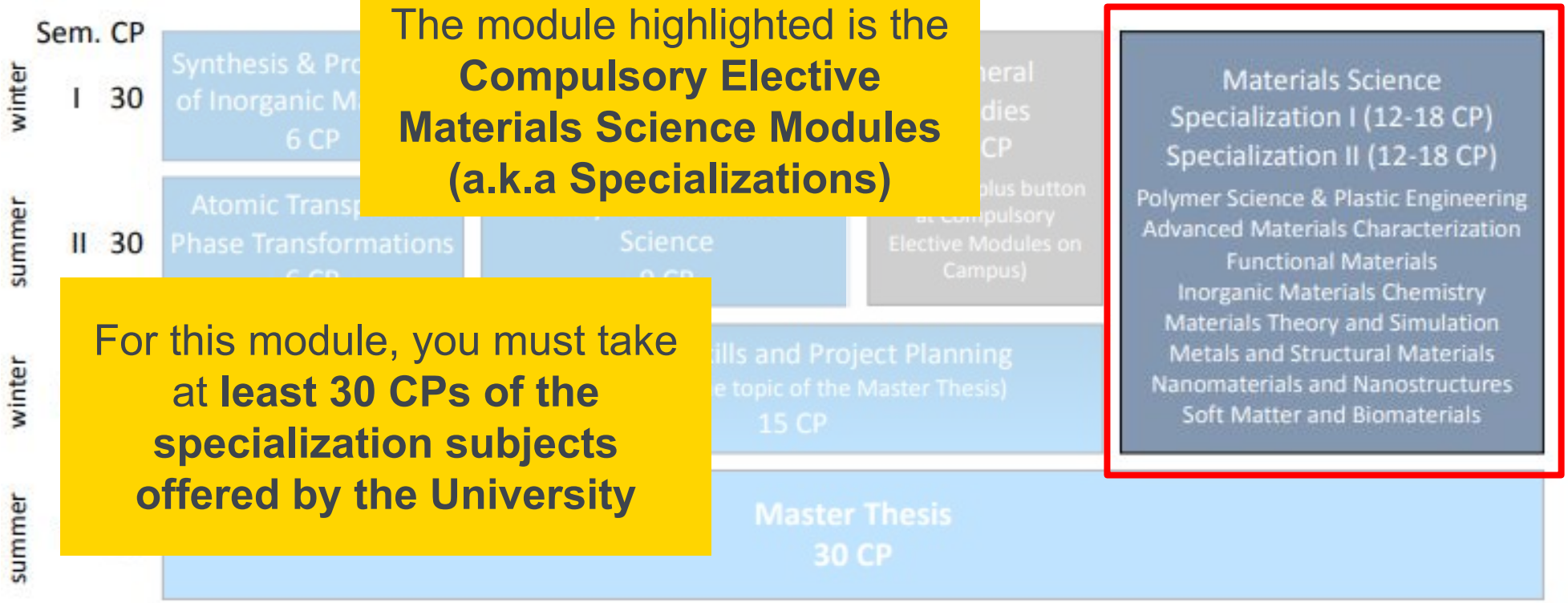


The modules highlighted are the **Compulsory Materials Science modules.**

They are only offered **once a year**, so be aware of the dates and **plan yourself based on this!**

As the name says, the **completion of those modules is mandatory**! It is planned in such a way that all students gain the **same common knowledge in the most important Materials Science topics.**

Master organization - Compulsory Elective Materials Science Modules



The module highlighted is the **Compulsory Elective Materials Science Modules (a.k.a Specializations)**

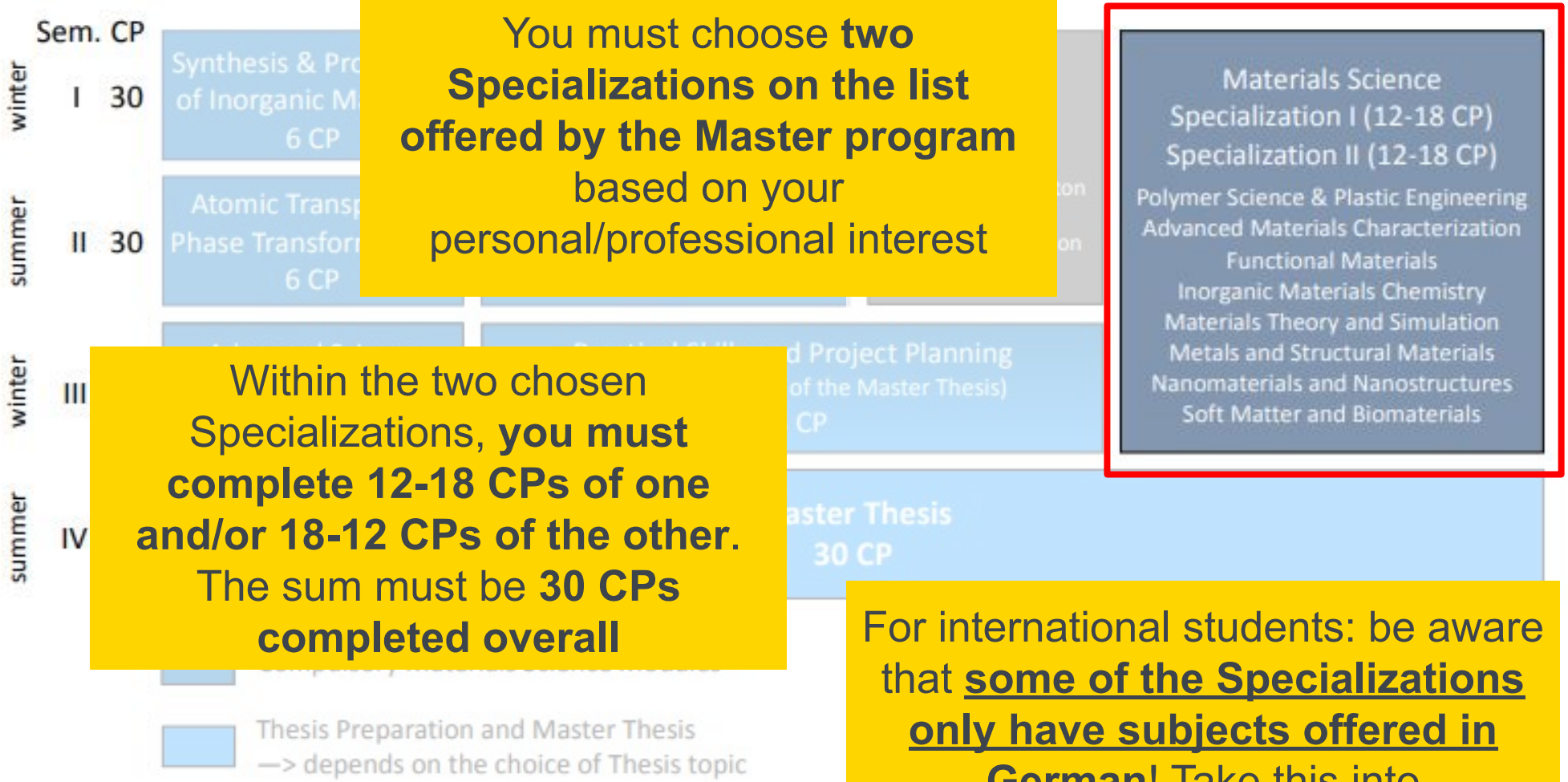
For this module, you must take at **least 30 CPs of the specialization subjects offered by the University**

This are, together with the Compulsory Materials Science Modules, the most important subjects you will have on the Master program!

Compulsory Elective Materials Science Modules
—> specialize in two subjects

Click here to see the table of Specialization Subjects

Master organization - Compulsory Elective Materials Science Modules

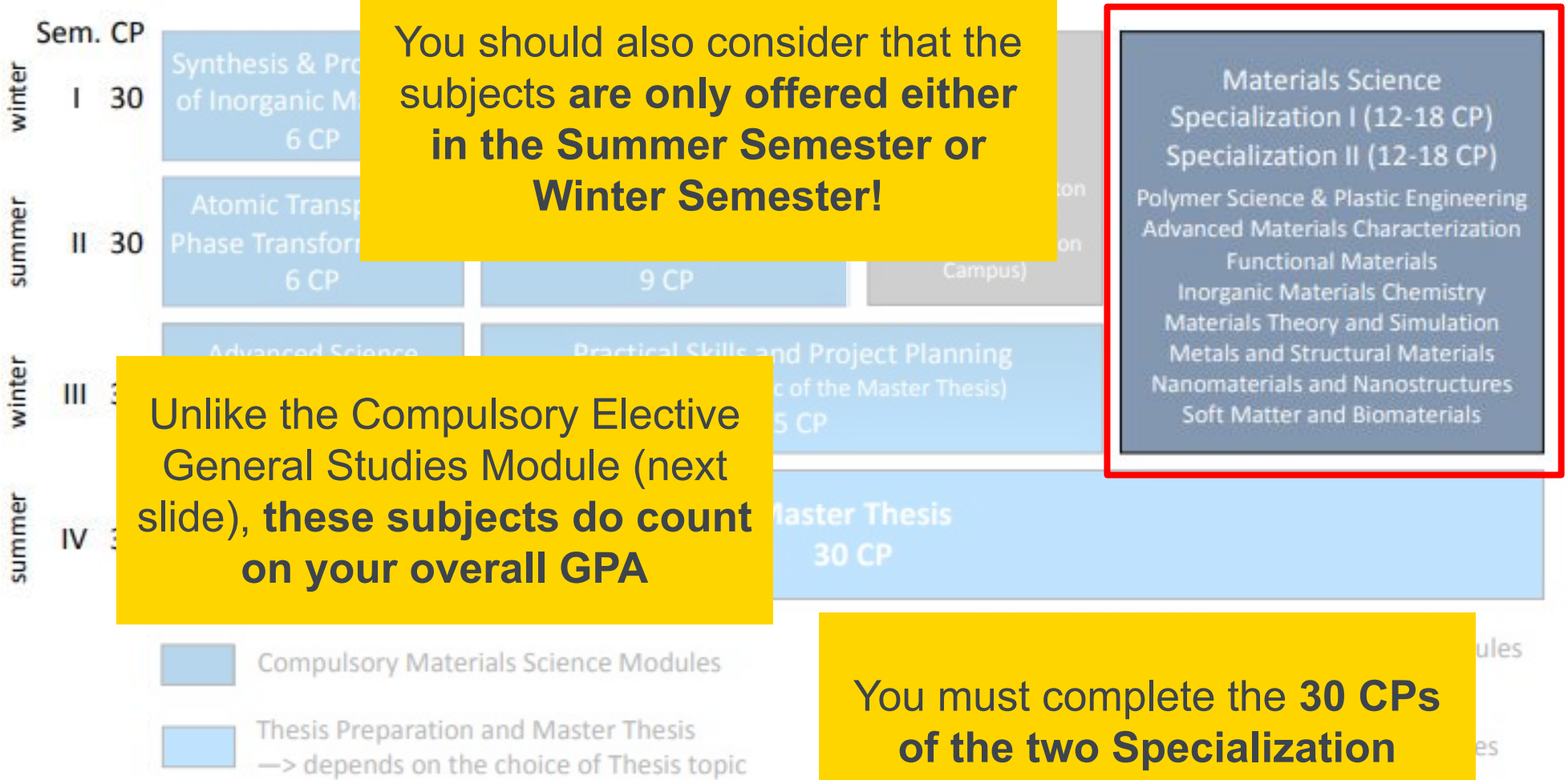


You must choose **two Specializations on the list offered by the Master program** based on your personal/professional interest

Within the two chosen Specializations, **you must complete 12-18 CPs of one and/or 18-12 CPs of the other**. The sum must be **30 CPs completed overall**

For international students: be aware that **some of the Specializations only have subjects offered in German**! Take this into consideration when planning your studies

Master organization - Compulsory Elective Materials Science Modules



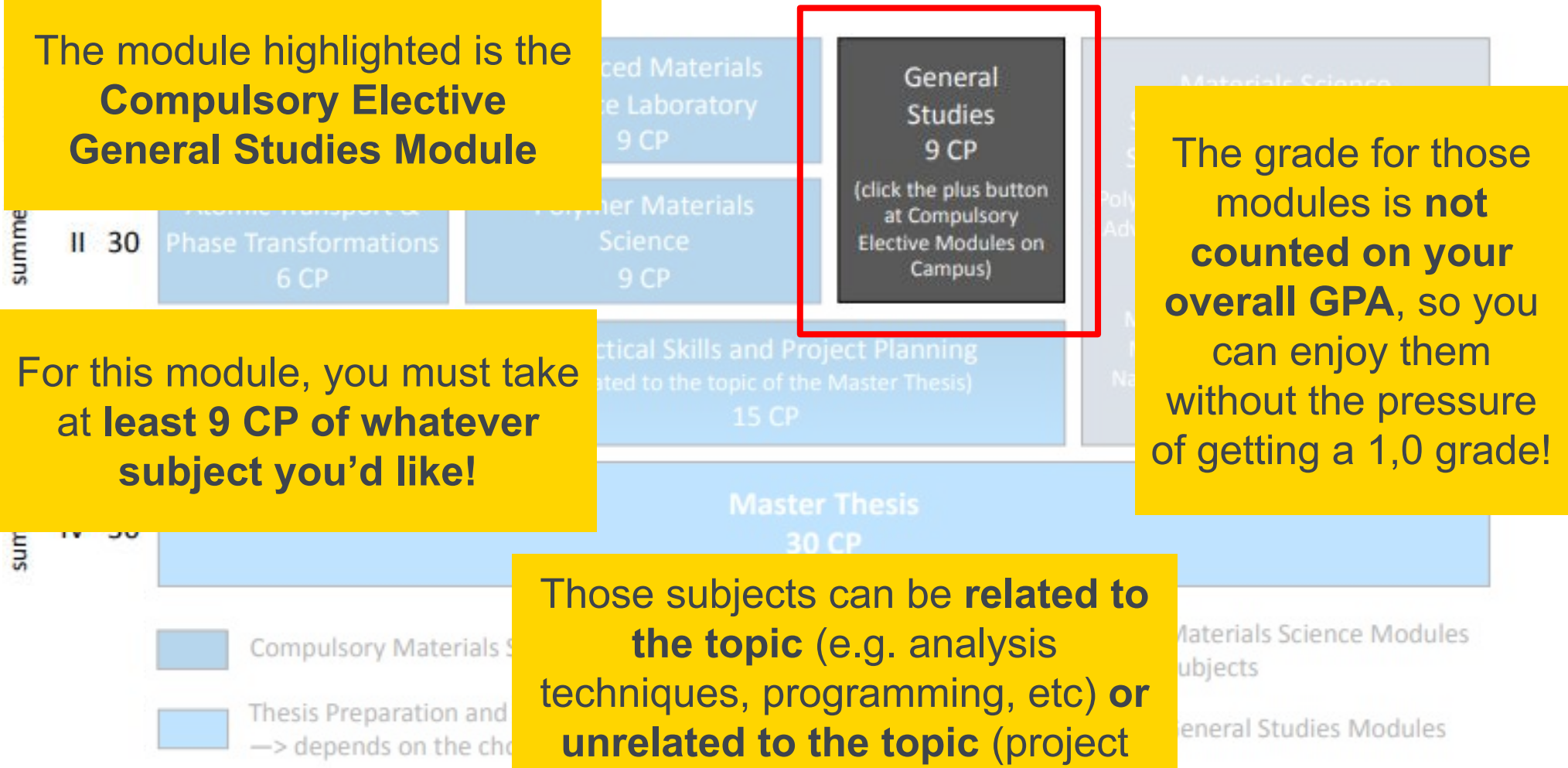
You should also consider that the subjects **are only offered either in the Summer Semester or Winter Semester!**

Unlike the Compulsory Elective General Studies Module (next slide), **these subjects do count on your overall GPA**

You must complete the **30 CPs of the two Specialization subjects in order to graduate**

Master organization - Compulsory Elective General Studies Module

The module highlighted is the **Compulsory Elective General Studies Module**

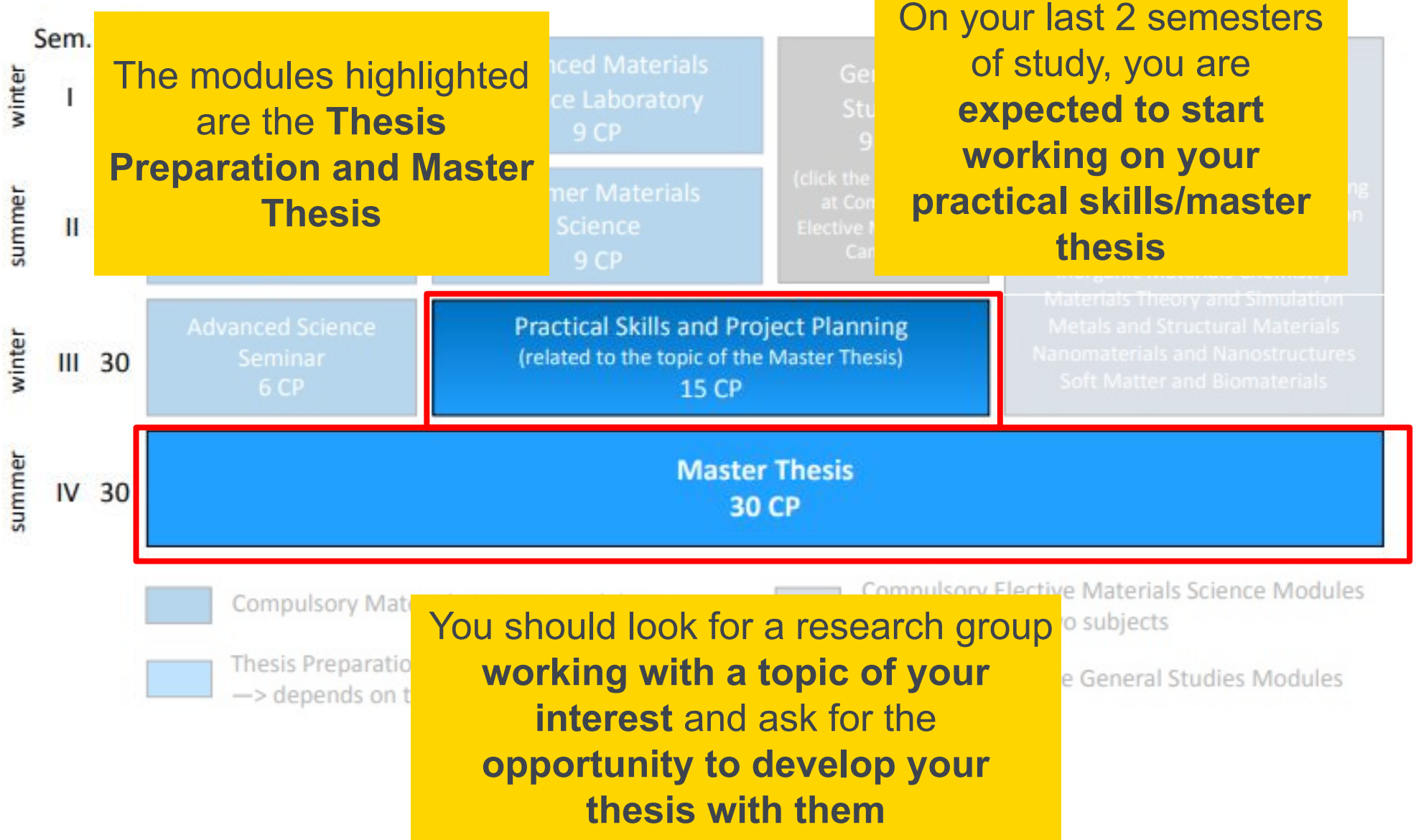


For this module, you must take at **least 9 CP of whatever subject you'd like!**

The grade for those modules is **not counted on your overall GPA**, so you can enjoy them without the pressure of getting a 1,0 grade!

Those subjects can be **related to the topic** (e.g. analysis techniques, programming, etc) **or unrelated to the topic** (project management, language courses, etc)

Master organization - Compulsory Elective General Studies Module

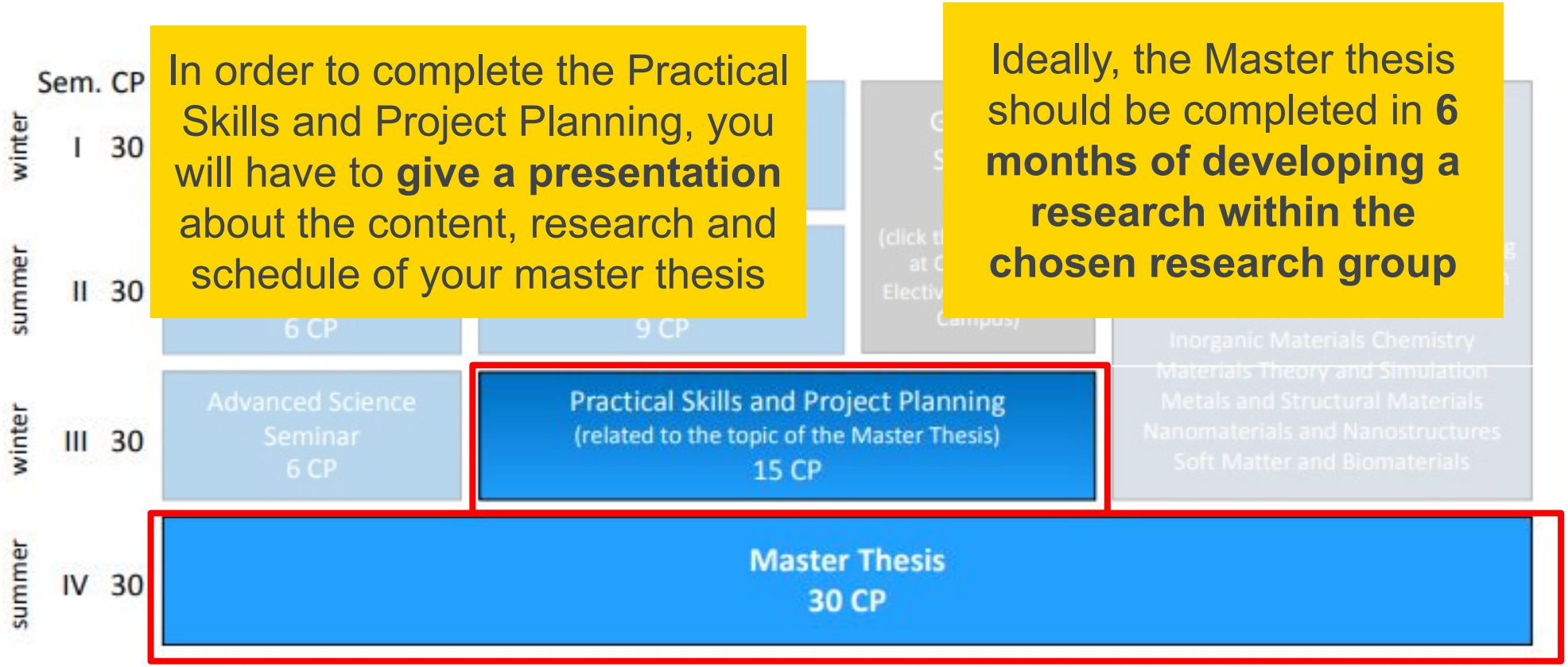


The modules highlighted are the **Thesis Preparation and Master Thesis**

On your last 2 semesters of study, you are **expected to start working on your practical skills/master thesis**

You should look for a research group **working with a topic of your interest** and ask for the **opportunity to develop your thesis with them**

Master organization - Compulsory Elective General Studies Module



In order to complete the Practical Skills and Project Planning, you will have to **give a presentation** about the content, research and schedule of your master thesis

Ideally, the Master thesis should be completed in **6 months of developing a research within the chosen research group**

Be aware that, in order to finish your master in 2 years, **you should have decided on a research group at the beginning of the third semester!**

Before the semester

How to choose and register thesis?

Choosing a thesis topic:

1. Check out the research that is being done by the professors - you can choose professors from the materials science institute but you can also look in other departments (physics, chemistry,...) or at the MPI
2. Contact the professors or supervisors whose research you are interested in - you will probably always be able to find an interesting thesis topic together - because the study program is relatively small there usually is no competition about thesis topics
3. Always meet with your supervisor before finally choosing a thesis topic - having a good feeling about the supervisor is probably as important as the thesis topic itself

It is also possible to do your master thesis externally at a company or institute, but be aware that you have to find a professor that is willing to examine your thesis (this can sometimes be tricky) - **do not start a thesis externally when you haven't found a professor who has agreed to examine you**

https://www.student.uni-stuttgart.de/en/study-programs/Materials-Science-M.Sc.-00001/?page=details

Before the semester

How to choose and register your thesis?

Registering the thesis:

Be aware: Before you start with your thesis you will already do the Module “Practical skills and project planning” which is meant for you to already start preparing your master thesis - therefore you should choose your thesis topic before starting this module! - start to think about it as early in your studies as possible

To formally register your thesis you have to:

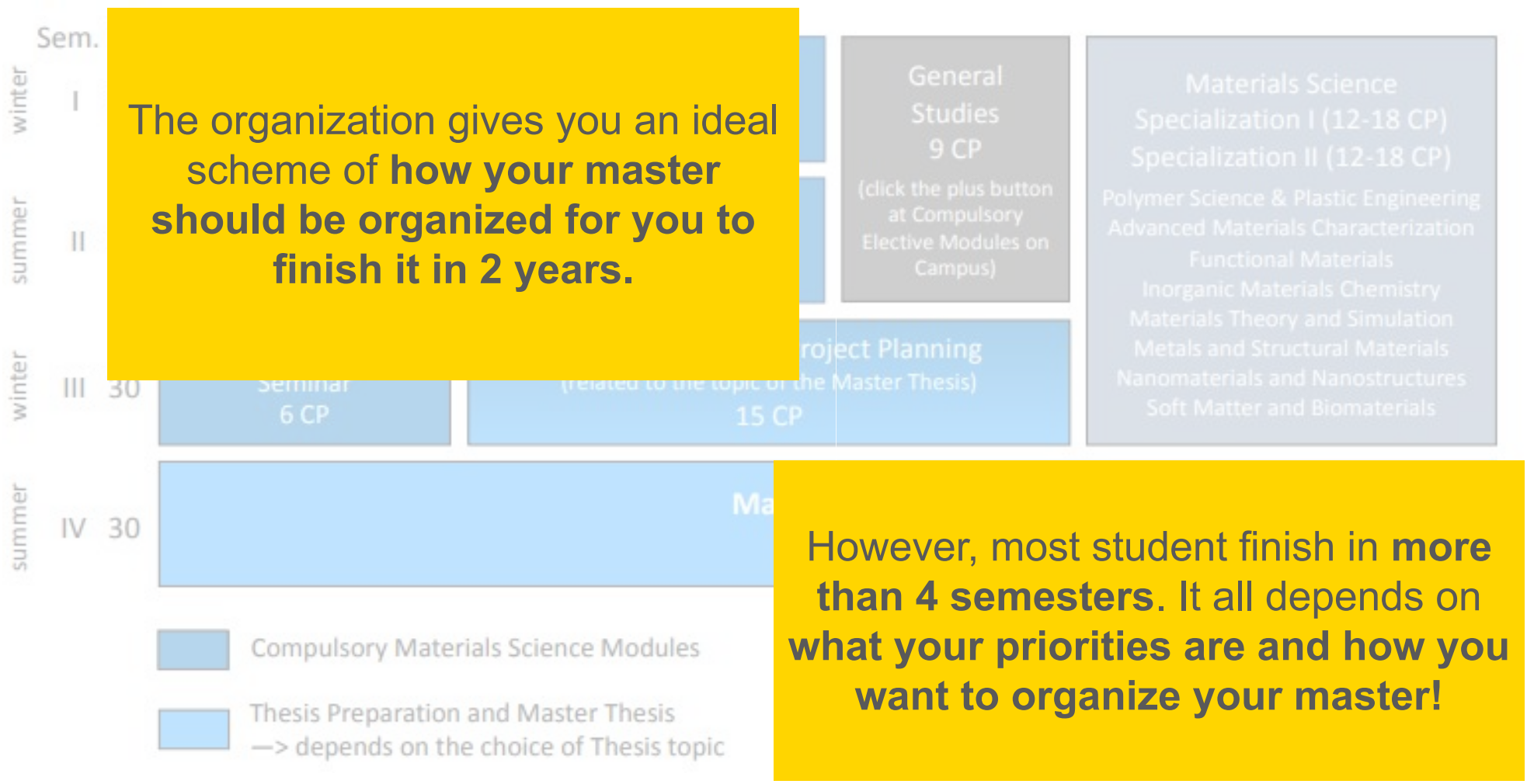
- submit a form to the examination office - it can be found in C@mpus under “My applications”
- and an internal form of the respective Institute.

Both forms have to be signed by **both examiners** and the head of the examination committee (Prof. Bill).

After officially registering your master thesis, you have 12 months time to finish it - the master thesis has 30 ECTS ,so **you can finish your thesis in 6 months when working on it full time** or you have the possibility to do it part time and finish it later

https://www.student.uni-stuttgart.de/en/study-programs/Materials-Science-M.Sc.-00001/?page=details

Modules organization



The organization gives you an ideal scheme of **how your master should be organized for you to finish it in 2 years.**

However, most student finish in **more than 4 semesters**. It all depends on **what your priorities are and how you want to organize your master!**

Still have questions?

Come talk to the Fachgruppe!

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Address: Pfaffenwaldring 55 (V55.ZG.634)