Master ‘s program Informatics

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Office of academic affairs - Informatics
Secretary of the examination board

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http://www.in.tum.de

Contact Persons

- Infopoint - first contact center
- Consecutive Recognition 
  - complete application at Infopoint
- Academic Affairs Office
  - **surname A-N:** Anja Douglas
  - **surname O-Z:** Maria Probst
- Secretary of the Examination Board
  - Dr. Claudia Philipps
  - Willemijn van Gemert (Part time studies)
- Academic Counseling 
  - Dr. Angelika Reiser
  - Sybille Roden-Kinghorst
- International Affairs 
  - Lena Krone (international degree students)
  - Martina von Imhoff (study abroad)

Master‘s program Informatics

- Goals of the program:
  - qualifying for entry into professional practice or research
  - provide comprehensive view of the discipline’s interrelated issues
  - learn to work independently according to academic principles
- Content of the program:
  - Examinations: 90 Credits (ECTS)
  - Master‘s Thesis: 30 Credits
  - Possibly additional fundamental exams „bridging courses“: max. 30 Credits
- Duration:
  - Regular time of studies: 4 Semester
  - At the latest at the end of the 7th semester
- Academic title:
  - Master of Science or Master of Science (TUM)

Curriculum Master Informatics

5 Credits — Master-Seminar

10 Credits — Advanced Practical Course

53 Credits — Elective courses in Informatics

18 Credits — Area of Specialization

One of these areas has to be „Formal Methods and Applications“ or „Algorithms and Scientific Computing“

8 Credits — 2nd area

8 Credits — 3rd area

Orientation

9 Credits — From all areas

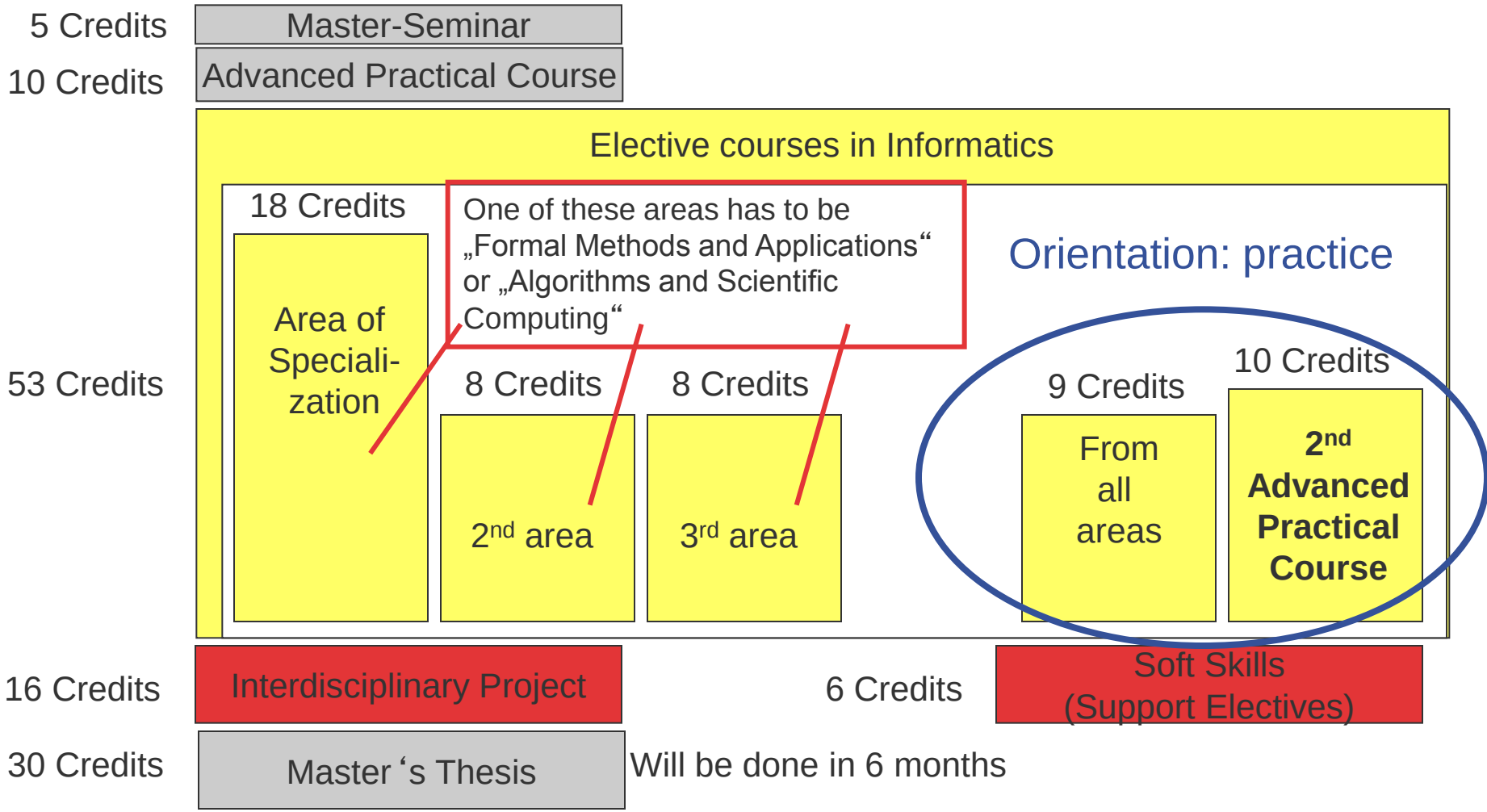
10 Credits — Free choice

16 Credits — Interdisciplinary Project

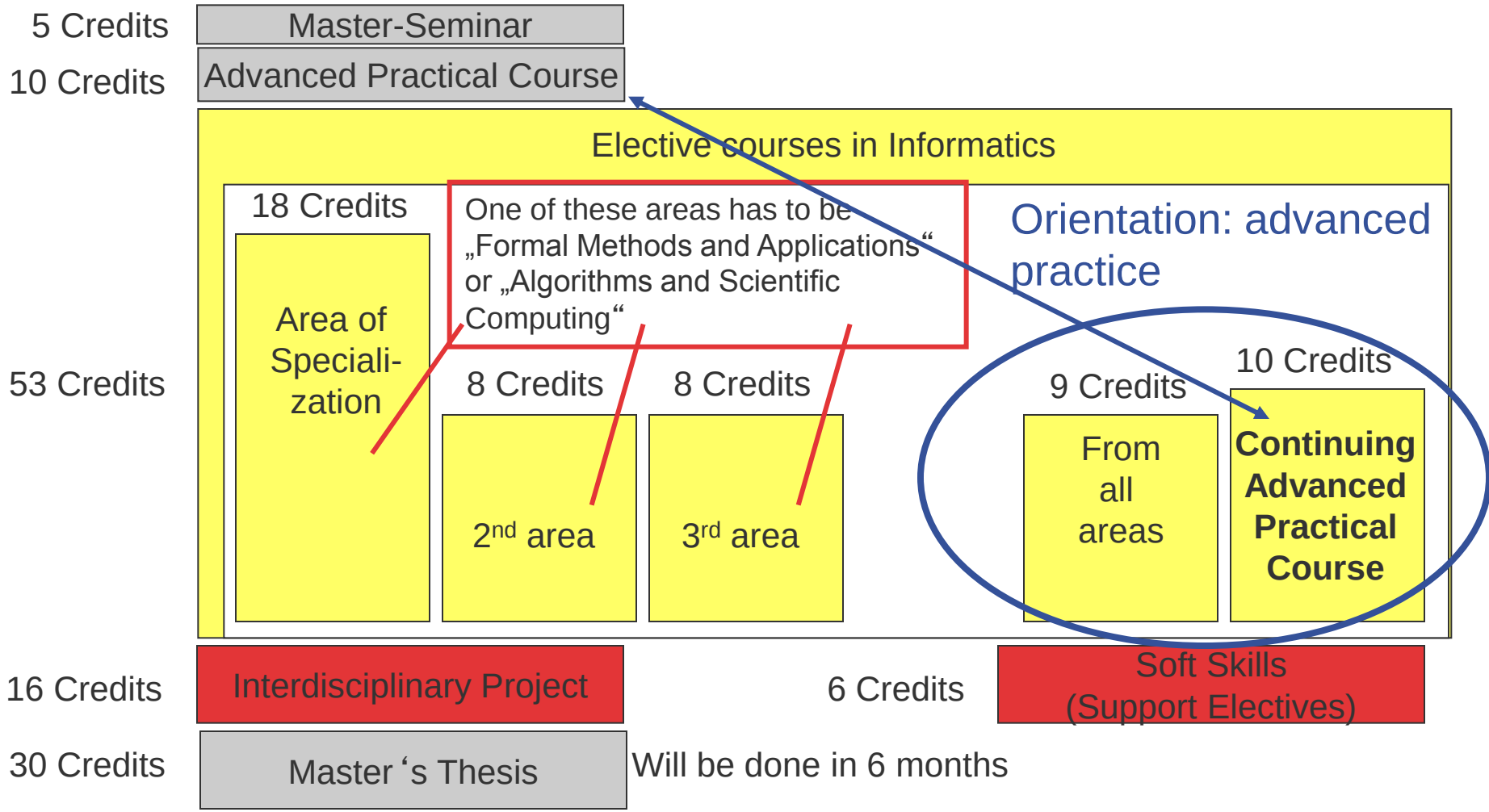
6 Credits — Soft Skills (Support Electives)

30 Credits — Master ‘s Thesis — Will be done in 6 months

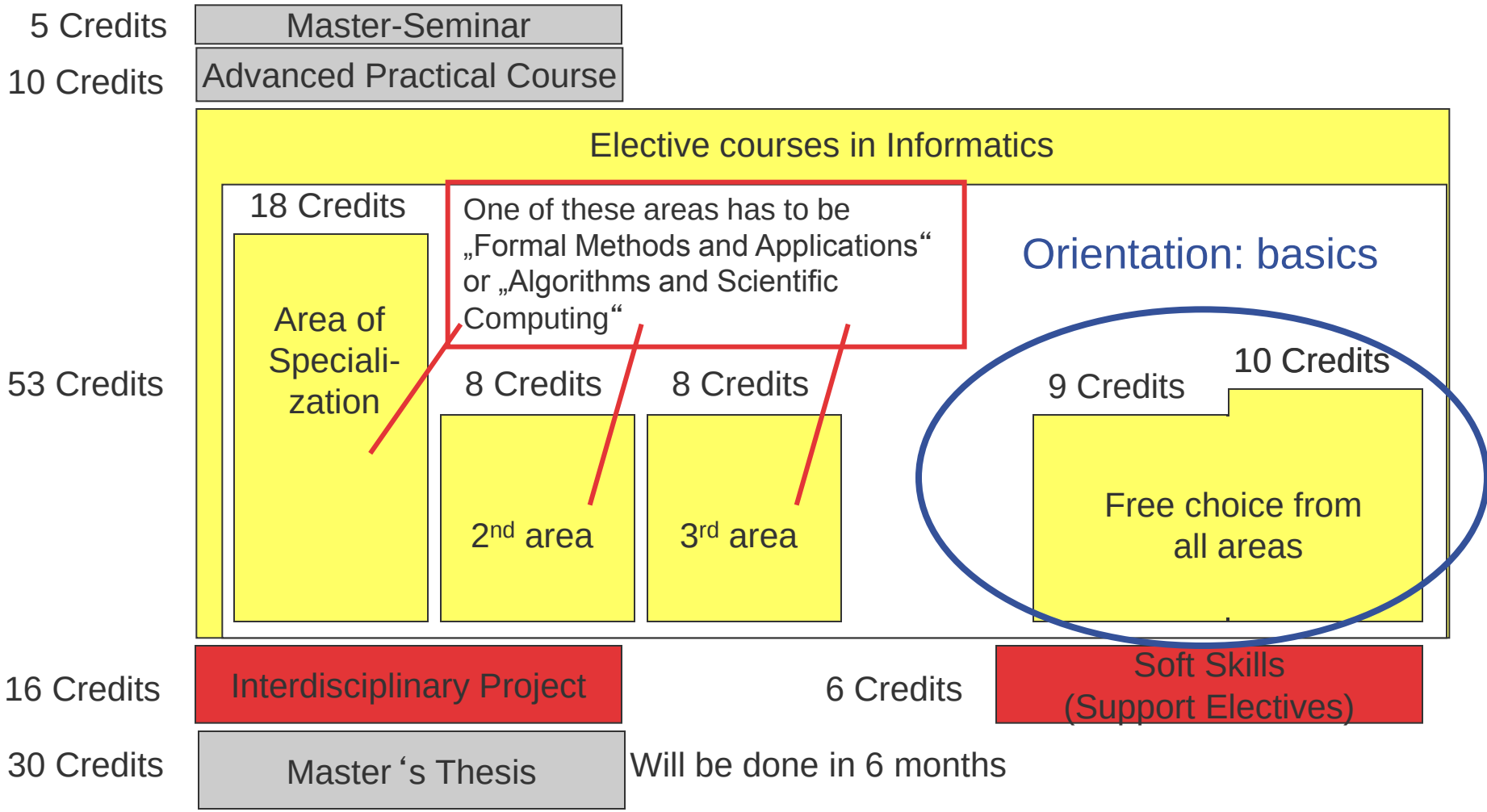
Curriculum Master Informatics



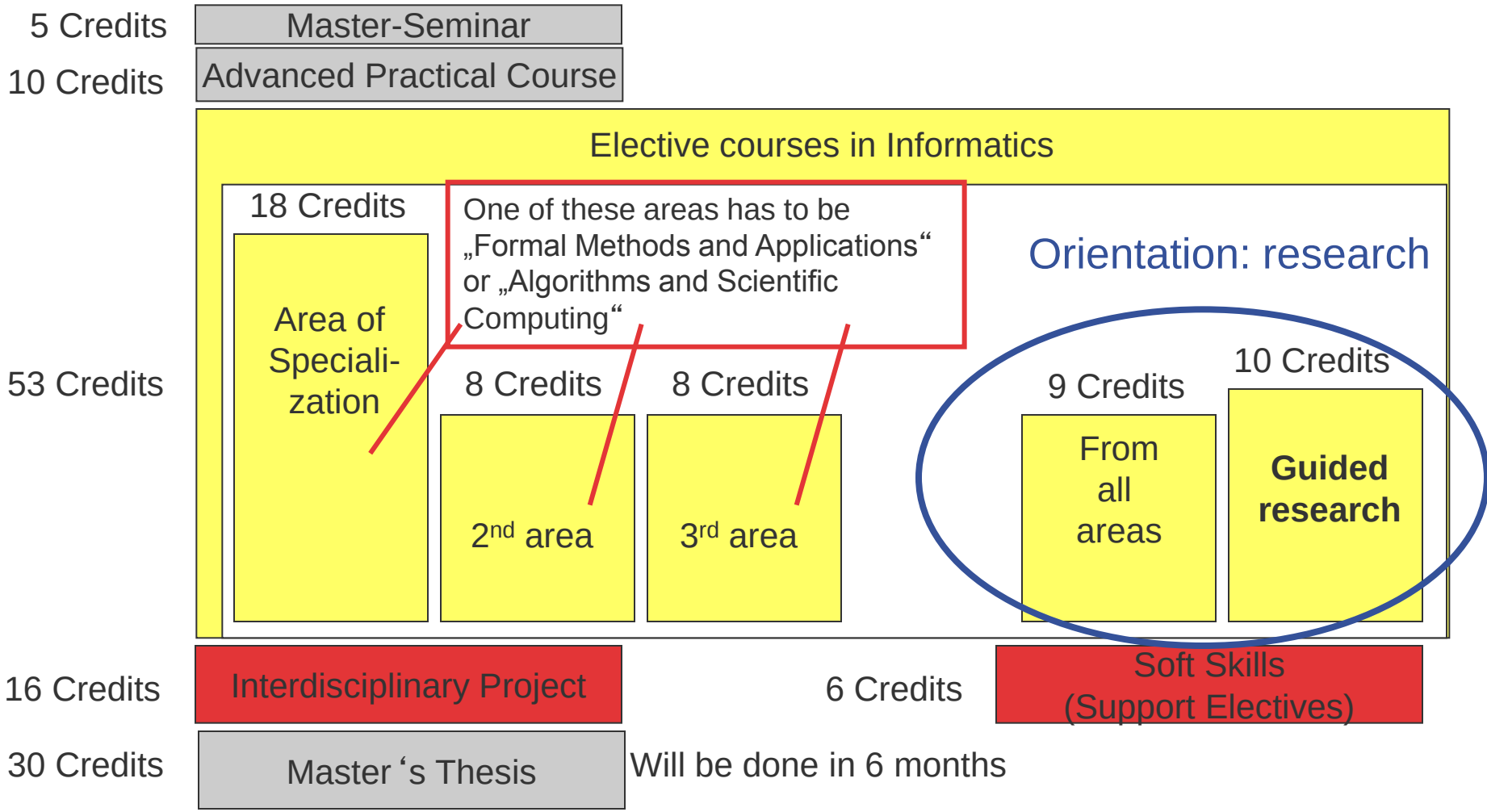
Curriculum Master Informatics



Curriculum Master Informatics



Curriculum Master Informatics



Guided Research

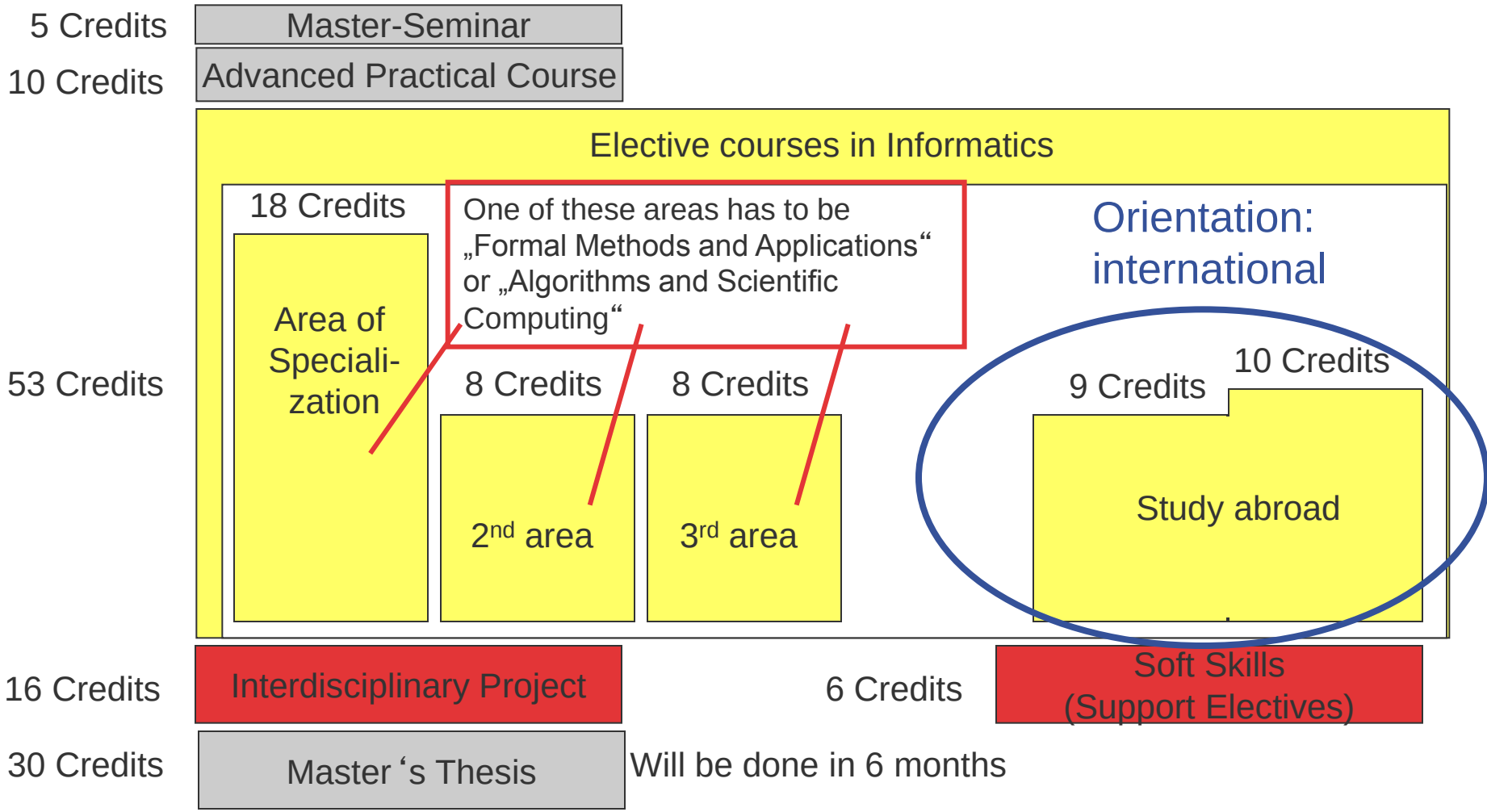
Goals:

- Scientific literature research
- Development of an own (narrowly confined) result by means of scientific methods
- Structuring and writing of own scientific texts in English
- Presentation of the results in a short talk

Content:

- Student and advisor establish the topic and specify the task incrementally
- Self-depended (guided) scientific literature research
- Scientific elaboration of an own (narrowly confined) result with main focus on intensive literature research and writing scientific texts
- Student receives feedback on the results, suggestions for improvement opportunities and for further proceeding
- Creation of a short scientific report based on the experiences in English
- If meaningful and possible: submission of an article at a conference
- If meaningful and possible: participation at a conference

Curriculum Master Informatics



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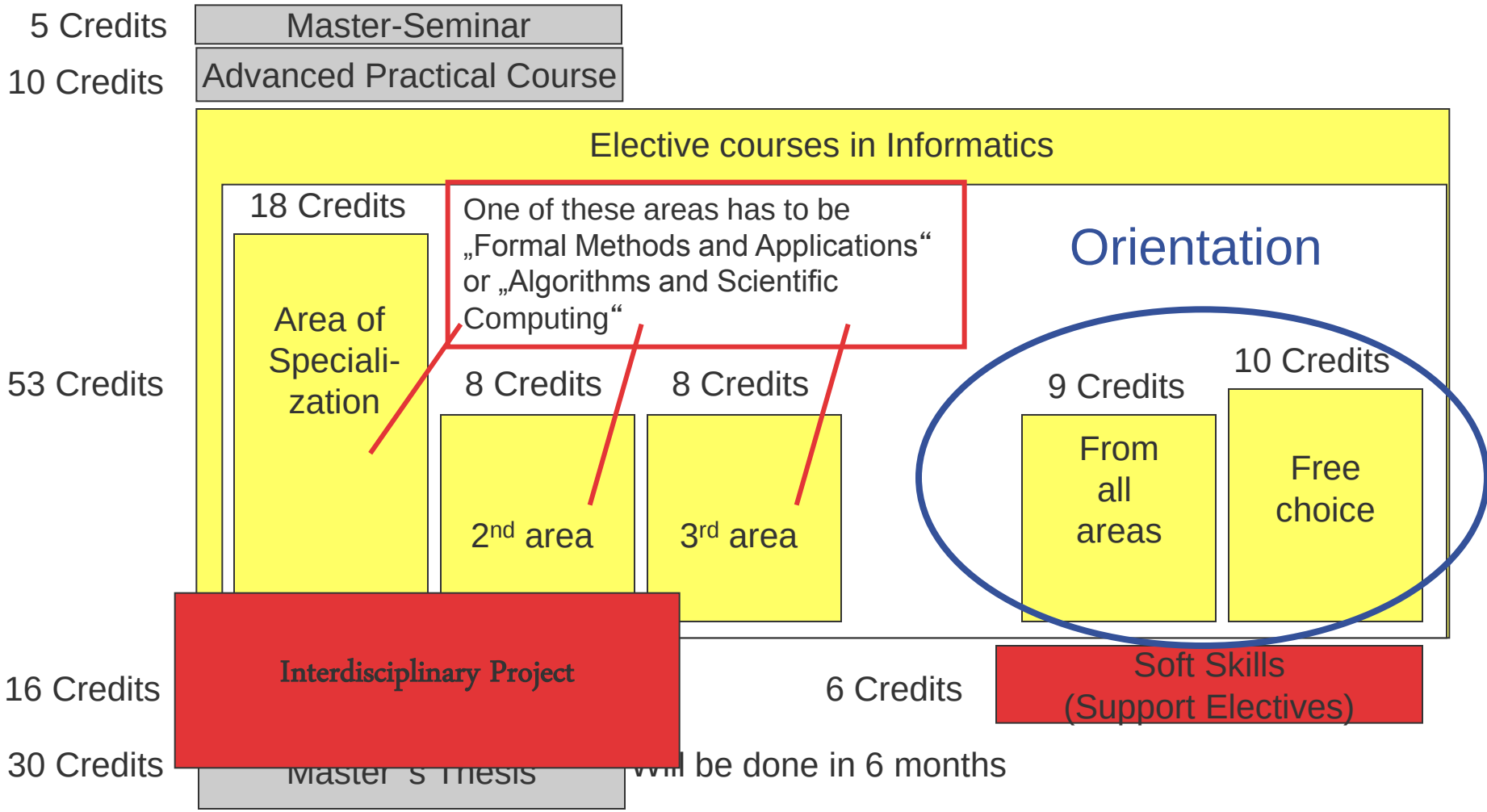

Interdisciplinary Project (IDP)

- Goal: Bridging the gap between Informatics and its application
- Standard application areas
  - Mathematics
  - Eletrical engineering
  - Medicine
  - Mechanical Engineering
  - Economics
- On special request the IDP can also be taken in another area
- 16 Credits
- Examination results include:
  - Grades from lectures
  - Practical work
  - Documentation and Presentation
  - Grade calculation 3:7 (lecture:project) (starting from WS 16/17)
- How-To for an IDP 

Study Plan - Structure of the four Terms

Sem	Informatics Methodology and Knowledge		Informatics Practice		Informatics Research
1	Elective Courses (24)				
2	Elective Courses (14)		Advanced Practical Course (APC)(10)		
3	Elective Courses (8) Master‘s Seminar (5)				
	Elective Courses (10)	or	2nd or continuing APC (10)	or	Guided Research (10)
4	Master‘s Thesis (30)				

- Additionally in the 1st to 3rd semester: Support Electives (6) and IDP(16)
- Students are not bound to follow this plan, it is a recommendation
  - lectures can be heard according to the individual needs …

Continuous Assessment Procedure

- Module examinations will be taken concurrently with the program
- Types: written, oral, project, ...
- Mandatory registration of examinations
  - always in TUMonline (https://campus.tum.de)
  - MyTUM-login necessary
  - information on registration of examinations see http://www.in.tum.de/en/current-students/administrative-matters/exams.html
- Withdrawal
  - withdrawal due to illness (or other conclusive reasons)
  - early withdrawal without indication of reasons possible
  - information on withdrawal see http://www.in.tum.de/en/current-students/administrative-matters/exams.html

Repitition of Examinations
(§ 44 FPSO together with § 23 und § 24 APSO)

- Failed examinations of required modules have to be repeated at the next offered examination date
  - for required modules each semester a repeat examination is offered
  - in most cases until first week of lecture period of the following semester
- Repitition for the purpose of improving grades is not possible
- The number of repeat examinations is only restricted by the examination deadlines of § 10 APSO

Don‘t forget to register!

Examination Time Limits (APSO § 10)

- 2nd semester: no examination passed → ir
- 3rd semester: less than 30 credits → ir
- 4th semester: less than 60 credits → ir
- 5th semester: less than 90 credits → ir
- 6th semester: examinations not yet taken → np
- 7th semester: examinations not yet taken → ir

ir: irreversibly failed np: not passed

Fundamental Examinations - Bridging courses

- Fundamental Examinations are listed in the letter of admission.
- They have to be passed in the first academic year.
- Failed Fundamentals Examinations may be repeated only once and at the next examination date within the first academic year.
- Pursuant to § 46 (3) FPSO admission to the Master's Thesis is only possible after passing Fundamental Examinations.
- Bridging courses are **not** part of the Master ‘s examination.
- Examination results are **not** being taken into consideration for the overall grade.

Certificate of the Final Examination

- lists **grade and topic of the final thesis** and the **overall grade**
- **overall grade**
  - calculated as the weighted grade average of the modules and the Master's thesis
  - the grade weights of the individual modules correspond to the credits assigned to each module
- **date on final certificate**
  - day when all module and examination requirements have been fulfilled
  - number of semesters is not printed
- in addition the student will receive a **Transcript of Records** that lists all **passed modules with credits and grades**

Student Code of Conduct

- course achievements and examinations have to be performed self-reliantly and on the basis of allowed resources only
- short text passages may be cited, but
  - clearly marked
  - literal citations must be quoted
- non-literal paraphrases must be quoted clearly, immediately, and reproducible
- this also holds for code, seminar papers and Master‘s Thesis
- images also have to be referenced, and possibly an allowance of the owner is necessary
- use a full bibliography and primary sources
- if explicitly allowed by the lecturer, coursework may be provided collaboratively
- cheating leads to failing with only one possibility of retake
- for further information see

  http://www.in.tum.de/en/current-students/administrative-matters/student-code-of-conduct.html

Questions?

Successful Studies!