

Teaching and Examination Regulations

School of Business and Economics Master's programmes in

Accounting and Control

Business Administration

Digital Business and Innovation

Econometrics and Operations Research

Economics

Finance

Marketing

Spatial, Transport and Environmental Economics

Transport and Supply Chain Management

VERSION	DATE	SUBMITTED TO	REMARK
0.1	18 August 2021	BJZ	Changes made following the discontinuation of the pre-Master's scheme and changes to RAI
0.1	18 August 2021	BJZ	Changes made following questions and remarks from faculties

Academic year 2022-2023

- A. Faculty Section**
- B1. Programme Specific Section - general provisions**
- B2. Programme Specific Section – content of programme**

Introduction to the Teaching and Examination Regulations format (OER) for Master's degree programmes

General information

Since the introduction of the Dutch Higher Education and Research Act (*Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek*, WHW) in 1993, it has been compulsory for institutions to record the broad outlines of the teaching programme and examination methods for each study programme in the Teaching and Examination Regulations (Article 7.13, paragraph 1, of the WHW). Article 7.13, paragraph 2, of the WHW lists the applicable procedures that must, as a minimum, be regulated in the Teaching and Examination Regulations. The WHW also includes a number of separate obligations relating to the inclusion of regulations in the Teaching and Examination Regulations.

Components of Teaching and Examination Regulations format

This Teaching and Examination Regulations format of the Vrije Universiteit consists of a part A, part B1 and part B2. Part A is the faculty section of the document that contains provisions that apply to all of a faculty's study programmes. The training-specific provisions have been included in both B sections and have been divided as follows:

- Part B1: programme specific section – general provisions
- Part B2: programme specific section – content of programme

This division supports the participation procedure. This is due to the fact that Programme Committees (OLC's) are fully responsible for participation as described under part B2; the Faculty Joint Assembly (FGV) has no involvement. The FGV has right of approval with regard to the Articles in parts A and B1, and the Programme Committees have the right to prior consultation (advice). VU-wide policy does not require participation on a faculty level; participation has already been guaranteed in the development and decision-making parts of the process of establishing the policy concerned.

Although the various parts go together and form the Teaching and Examination Regulations of a degree programme or group of programmes, they can be amended separately. The Faculty Board ultimately determines the content of all Sections of the Teaching and Examination Regulations for the faculty degree programmes.

Type of stipulations (Articles) included

- Articles based on the Higher Education and Research Act - Article 7.13, paragraph 2 or other Articles of the Act - that must be included in the Teaching and Examination Regulations. Per Article, if applicable, an indication has been given regarding which subject of Article 7.13, paragraph 2, is referred to and whether or not participation applies and if so, under whose authority. The addition "paragraph 2" is not mentioned for reasons of clarity; where written "7.13 a" it is actually meant: "WHW Article 7.13, paragraph 2, subsection a".
- This is in regard to Articles based on Article 7.13, paragraph 2 of the Higher Education and Research Act - or other Articles of the Act - that must be included in the Teaching and Examination Regulations but that have already been laid down in VU-wide policy. If applicable, participation has already been organized by the university's central participation body. The Faculty Board is not at liberty to depart from these procedures. The same holds for the Programme Committee and the Faculty Joint Assembly. Appendix II refers to the existing VU policy (or guidelines for the Faculty Board, from Article 9.5 of the Higher Education and Research Act). If a Faculty Board wishes to depart from existing VU policy, then a written request should be submitted to the Executive Board.

- Articles (or parts thereof) that do not apply to all programmes must be indicated using square brackets: [Optional].
- The other Articles include topics for which compulsory inclusion in the Teaching and Examination Regulations has not been stipulated and that also have not been adopted as guidelines. These may concern subjects that are regulated in the Higher Education and Research Act, but for which no explicit reference has been made that stipulates compulsory inclusion in the Teaching and Examination Regulations. These are Articles which have been included because they are intended to provide clear and complete information or because of a VU or UvA regulation which stipulates compulsory inclusion. It is recommended that these Articles be included in the Teaching and Examination Regulations in accordance with the format. This means that a large part of the text from part A can be copied in its entirety for inclusion in the creation of the faculty part A.
- Section 7 on Admission Requirements sets out the admission regulations for the 2022-2023 and 2023-2024 academic years. Any changes taking effect in 2024-2025 must be included separately so that candidates are aware of them.

If necessary, additional Articles can be added in part B to reflect aspects specific to a particular degree programme. Depending on participation rights, additional Articles may be included in parts B1 and B2. Any additional Articles should, wherever possible, be placed at the end of the chapter and given a higher number. If an Article is placed between existing Articles, then this should be given an interim number by adding a letter to the number (for example, Article 1.1a). If a faculty or programme does not make use of a particular article or paragraph in this format, the article or paragraph number should not be removed, but should be marked with "NA" (not applicable). This method promotes transparency and improves quality assurance if a specific subject is regulated under the same Article number in every Teaching and Examination Regulations. If you have any doubts about participation rights, please contact Administrative and Legal Affairs.

Scope of application of these regulations

These regulations apply to the programmes, courses and examinations of the Bachelor's degree programmes of the relevant faculty of the Vrije Universiteit Amsterdam. These regulations may also apply to the joint programmes and educational units, as referred to in Article 7.3c of the WHW, which are provided in entirety or in part by the faculty.

The faculty carries out the publication of the Teaching and Examination Regulations and inclusion in the online study guide.

Contents

Section A: Faculty section	7
1. General provisions	7
Article 1.1 Applicability of the Regulations	7
Article 1.2 Definitions	7
2. Study programme structure	9
Article 2.1 Structure of academic year and educational components	9
3. Assessment and Examination	9
Article 3.1 Signing up for education and examinations	9
Article 3.2 Type of examination	9
Article 3.3 Oral examinations	9
Article 3.4 Determining and announcing results	9
Article 3.5 Examination opportunities	10
Article 3.6 Marks	10
Article 3.7 Exemption	10
Article 3.8 Validity period for results	11
Article 3.9 Right of inspection and post-examination discussion	11
4. Academic student counselling and study progress	11
Article 4.1 Administration of study progress and academic student counselling	11
Article 4.2 Facilities for students with a disability	11
5. Hardship clause	12
Article 5.1 Hardship clause	12
Section B1: Programme specific – general provisions	13
6. General programme information and characteristics	13
Article 6.1 Study programme information	13
Article 6.2 Teaching formats used and modes of assessment	13
7. Further admission requirements	13
Article 7.1 Intake date(s)	13
Article 7.2 Admission requirements	13
Article 7.3 Selection criteria	15
Article 7.4 Pre-Master's programme	15
8. Examinations and results	16
Article 8.1 Sequence of examinations	16
Article 8.2 Validity period for results	16
Section B2: Programme specific – content of programme	17
9. Programme objectives, tracks/specializations, exit qualifications and language	17
Article 9.1 Workload	17

Article 9.2 Tracks and/or specializations	17
Article 9.3 Programme objective.....	17
Article 9.4 Learning objectives	17
Article 9.5 Language of instruction	18
10. Curriculum structure	18
Article 10.1 Composition of the programme	18
Article 10.2 Compulsory educational components and electives	18
Article 10.3 Maximum exemption.....	18
11. Evaluation and transitional provisions	19
Article 11.1 Evaluation of the education.....	19
Article 11.2 Transitional provisions.....	19
Appendix I Overview of articles that must be included in the OER	20
Appendix II Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV).....	21
Appendix III Ordinances VU CvB and Binding Guidelines (richtlijn)	22
Appendix IV (English)	23
Appendix V Learning Objectives	24
Appendix VI Transitional arrangements.....	24
Appendix VII Overview of the programmes	24
Appendix VIII Pre-Master's regulations	Fout! Bladwijzer niet gedefinieerd.

Section A: Faculty section

1. General provisions

Article 1.1 Applicability of the Regulations

1. These Regulations apply to anyone enrolled in the programme, irrespective of the academic year in which the student was first enrolled in the programme.	Advice OLC, approval FGV (9.38 sub b)
2. These Regulations enter into force on 1 September 2022	Advice OLC, approval FGV (9.38 sub b)
3. An amendment to the Teaching and Examination Regulations is only permitted to concern an academic year already in progress if this does not demonstrably damage the interests of students.	Advice OLC, approval FGV (9.38 sub b)

Article 1.2 Definitions

The following definitions are used in these Regulations (*in alphabetical order*) :

- a. academic year: the period beginning on 1 September and ending on 31 August of the following calendar year;
- b. constituent examination an assessment of the student's knowledge, understanding and skills relating to a part of a component. The assessment is expressed in terms of a constituent result, which contributes to the final mark. A non-mandatory assessment within a component, such as an opportunity to earn a bonus point, is not a constituent examination.
- c. constituent result: the result of a constituent examination;
- d. CvB: the Executive Board of Vrije Universiteit Amsterdam.
- e. EC (European Credit): an EC credit with a workload of 28 hours of study;
- f. educational component: a unit of study of the programme within the meaning of the WHW; also referred to as 'component';
- g. examination: an assessment of the student's knowledge, understanding and skills relating to a course component. The assessment is expressed in terms of a final mark. An examination may consist of one or more constituent examinations. A resit always covers the same material as the original examination;
- h. FGV: Faculty joint assembly – assembly of the faculty student council and faculty staff council;
- i. final examination: the final examination of the Master's programme;
- j. joint degree: a degree awarded by an institution together with one or more institutions in the Netherlands or abroad, after the student has completed a study programme (a degree programme, a major or a specific curriculum within a degree programme) for which the collaborating institutions are jointly responsible;
- k. mark the final mark for an examination;
- l. OLC: programme committee;
- m. period: a part of a semester;
- n. practical exercise: a component specifically aimed at acquiring certain (academic) skills or training. Practical exercises that are part of a component are not practical

exercises in the sense described here, but have the status of a constituent exam. Examples of practical exercises include:

- writing a thesis
- carrying out a research assignment
- taking part in fieldwork or an excursion
- conducting a literature review
- taking part in another educational learning activity aimed at acquiring specific skills or
- participating in and completing an internship;

o. pre-Master's-enrollee	person enrolled in a pre-Master's programme, who is not a student from a legal perspective;
p. programme:	the totality and cohesion of the course components, teaching activities/methods, contact hours, testing and examination methods and recommended literature;
q. regulations and guidelines	the Regulations and Guidelines regarding examinations at SBE, as defined in article 7.12, paragraph 4 of the WHW;
r. SAP/SLM:	the student information system;
s. semester:	the first (September - January) or second half (February - August) of an academic year;
t. specialization	optional route of study within a degree programme indicating a deepening of the (inter/multi) disciplinary context of the programme;
u. student statute	sets out the rights and responsibilities of students on the one hand, and of Vrije Universiteit Amsterdam on the other hand, including those derived from the law and those derived from university regulations. The Executive Board (CvB) officially confirms the student statute once its completeness has been approved by the University Student Council (USC).
v.study guide:	the guide for the study programme that provides further details of the courses, provisions and other information specific to that programme. The Study Guide is available electronically at: www.vu.nl/en/sstudy-guide ;
w. study monitor (<i>studiemonitor</i>):	dashboard for students and academic advisors with data of the student and that provides insight into the student's study progress;
x. subject	see ' <i>educational component</i> ';
y. thesis:	a component comprising research into the literature and/or contributing to scientific research, always resulting in a written report;
z. track	a study pathway within a broader Bachelor's or Master's degree programme, such as a fully English-language study pathway within a Dutch-language Bachelor's or Master's degree;
za. university:	Vrije Universiteit Amsterdam;
zb. WHW:	the Dutch Higher Education and Research Act (<i>Wet op het Hoger Onderwijs en Wetenschappelijk Onderzoek</i>);
zc. workload:	the workload of the unit of study to which an examination applies, expressed in terms of credits = EC credits (ECTS = European Credit and Transfer Accumulation System). The workload for 1 year (1,680 hours) is 60 EC credits.

The other terms have the meanings ascribed to them by the WHW.

2. Study programme structure

Article 2.1 Structure of academic year and educational components

1. The study programme will be offered in a year divided into two semesters.	Ordinance CvB, see Appendix III
2. Every semester consists of three consecutive periods of eight, eight and four weeks	Ordinance CvB, see Appendix III
3. An educational component comprises 6 EC or a multiple thereof.	Ordinance CvB, see Appendix III
4. By way of exception to paragraph 3, the Executive Board may in special cases and on request of the Faculty Board, stipulate that a unit of study comprises 3 EC or a multiple thereof.	Ordinance CvB, see Appendix III

3. Assessment and Examination

Article 3.1 Signing up for education and examinations

1. Every student must sign up to participate in the educational components of the programme, the examinations and resits. The procedure for signing up is described in an annex to the Student Charter.	Ordinance CvB, see Appendix III
2. Signing up may only take place in the designated periods.	Ordinance CvB, see Appendix III

Article 3.2 Type of examination

1. At the examiner's request, the Examinations Board may permit a different form of examination than is stipulated in the study guide.	Advice OLC, Approval FGV (7.13 l)
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Article 3.3 Oral examinations

1. An oral assessment is public unless the Examinations Board determines otherwise.	Advice OLC; approval FGV (7.13 l and n)
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Article 3.4 Determining and announcing results

1. The examiner determines the result of a written examination within ten working days. By way of departure from that stipulated in the first clause, the marking deadline for theses [and final assignments] is no longer than twenty working days. The examiner will then immediately ensure that the marks are registered and also ensures that the student is immediately notified of the mark, taking due account of the applicable confidentiality standards.	Ordinance CvB, see Appendix III
2. The examiner determines the result (i.e. mark) of an oral examination as soon as possible, but at the latest within two working days after the examination has finished and informs the student accordingly. The third clause of the first paragraph applies.	Advice OLC; approval FGV (7.13 o)
3. In the case of alternative forms of oral or written examinations, the Examinations Board determines in advance how and by what deadline the student will be informed of the results.	Advice OLC; approval FGV (7.13 o)
4. If, as a result of exceptional circumstances, the examiner is likely to exceed the deadline, he or she can put a request for an extension of the revision period to a maximum of 15 days to the Examination Board, stating reasons. If the Examination	Advice OLC; approval FGV (9.38 sub b)

Board approves the delay the examiner will then ensure that the students are informed of the new deadline.	
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Article 3.5 Examination opportunities

1. a. Per academic year, two opportunities to take examinations per educational component will be offered. b. As an exception to paragraph 1, practical exercises as defined in article 1.2 sub n are examined only once in each academic year. Results may be improved by the student before a deadline specified by the examiner; the final mark will in that case not exceed 6. In case this applies to the final thesis the programme's thesis coordinator may deviate from this rule in case of exceptional circumstances. c. As an exception to paragraph 1a, there will only be a resit for a constituent examination when this forms such a substantial part of the educational component that without it the component cannot be passed.	Ordinance CvB, see Appendix III
2. The most recent mark will apply in the event of a resit. A retake is allowed for both passed and failed units of study.	Ordinance CvB, see Appendix III
3. The resit for a (partial) examination must not take place within ten working days of the announcement of the result of the (partial) examination being resat.	Advice OLC; approval FGV (7.13 j)
4. The Examination Board may allow a student an extra opportunity to sit an examination if that student is missing only those credits to qualify for his degree. This is conditional to the student's having taken and failed the examination at least once. Furthermore, there may be no more regular opportunity for taking the examination within the next 6 months. If necessary, the way the examination is held may deviate from the provisions in the study guide. This provision excludes practical exercises (including the thesis).	Ordinance CvB, see Appendix III
5. If a compulsory educational component is no longer offered in the academic year following its termination, at least one opportunity will be provided to sit the examination(s) or parts thereof and a transitional arrangement will be included in the programme-specific section for the subsequent period.	Advice OLC, approval FGV (7.13 j)

Article 3.6 Marks

1. Marks are given on a scale from 1 to 10 with no more than no one figure after the decimal point.	Ordinance CvB, see Appendix III
2. A final mark between 5 and 6 will be rounded to the nearest whole number: up to 5.50, rounded down; 5.50 and higher, rounded up. All other final marks will be expressed in whole or half marks.	Ordinance CvB, see Appendix III
3. To pass a given course or unit, a final mark of 6 or higher is required	Ordinance CvB, see Appendix III
4. The Examination Board can allow to use symbols rather than numbers, for example; v(oldaan), g(oed), n(iet)v(ol)d(aan), etc.)	Ordinance CvB, see Appendix III

Article 3.7 Exemption

1. At the written request of the student, the Examination Board may exempt the student from taking one or more examination components, if the student: a) has passed a course component of a university or higher professional education programme that is equivalent in terms of content and level;	Advice OLC; approval FGV 7.13 r)
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b) has demonstrated through his/her work and/or professional experience that he/she has sufficient knowledge and skills with regard to the relevant course component.	
2. The Master's thesis is excluded from this exemption possibility.	Advice OLC; approval FGV (9.38 sub b)

Article 3.8 Validity period for results

1. The validity period of examinations passed and exemption from examinations is unlimited, unless otherwise specified in Section B.	Legal provision
2. The validity period of a partial examination is limited to the academic year in which it was sat or until the end of the unit of study concerned, as stipulated for the relevant unit of study in Section B.	Advice OLC; approval FGV (9.38 sub b)

Article 3.9 Right of inspection and post-examination discussion

1. Within twenty working days after the announcement of the results of a written examination, but at least ten working days before the resit opportunity for that interim examination, the student can submit a request to inspect their assessed work, the questions and assignments set in it, as well as the standards applied for marking. The place and time referred to in the previous clause will be announced at the time of the examination or on rooster.vu.nl or Canvas in all cases.	Advice OLC; approval FGV (7.13 p en q)
2. If a collective post-examination discussion has been organized, individual post-examination discussions will be held only if the student has attended the collective discussion or if the student was unable to attend the collective discussion through no fault of his or her own.	Advice OLC; approval FGV (7.13 q)
3. Students who meet the requirements stipulated in paragraph 1 can submit a request for an individual post-examination discussion to the relevant examiner. The discussion shall take place at a time and location to be determined by the examiner within the regular timetable, on campus or online.	Advice OLC; approval FGV (7.13 p en q)

4. Academic student counselling and study progress

Article 4.1 Administration of study progress and academic student counselling

1. The faculty board is responsible for the correct registration of the students' study results. After the assessment of an educational component has been registered, every student has the right to inspect the result for that component and also has a list of the results achieved at his or her disposal in VUweb.	Advice OLC; approval FGV (7.13 u)
2. Enrolled students are eligible for academic student counselling. Academic student counselling is in any case provided by a. The Student General Counselling Service b. Student psychologists c. Faculty academic advisors	Advice OLC; approval FGV (7.13 u)

Article 4.2 Facilities for students with a disability

1. A student with a disability can submit a request in VUweb to qualify for special adaptations with regard to teaching, practical training and examinations. These	Advice OLC; approval FGV
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adaptations will accommodate the student's individual disability as much as possible, but may not alter the quality or degree of difficulty of a unit of study or an examination. In all cases, the student must fulfil the exit qualifications for the study programme.	(7.13 m)
2. The request referred to in the first paragraph must be accompanied by a statement from a doctor or psychologist. If possible, an estimate should be given of the potential impact on the student's study progress. In case of a chronic disability a single (one time) request suffices.	Advice OLC; approval FGV (7.13 m)
3. Students who have been diagnosed with dyslexia must provide a statement from a BIG, NIP or NVO registered professional who is qualified to conduct psychological evaluation.	Advice OLC; approval FGV (7.13 m)
4. The faculty board, or the responsible person on behalf of the faculty board, decides on teaching facilities and facilities regarding logistics. The Examinations Board will decide on requests for facilities with regard to examinations.	Advice OLC; approval FGV (7.13 m)
5. In the event of a positive decision in response to a request as referred to in paragraph 1, the student can make an appointment with the study adviser to discuss the details of the facilities.	Advice OLC; approval FGV (7.13 m)
6. A request for one or more facilities can be refused if it would place a disproportionate burden on the organization or the resources of the faculty or university were it upheld. Any such refusal will be substantiated.	Advice OLC; approval FGV (7.13 m)
7. If the disability justifies an extension of the examination time, the responsible person on behalf of the Examinations Board will register in SAP this entitlement to an extension. If a disability justifies other measures to be taken, the academic adviser can take the necessary measures. The student can consult the study monitor to check which facilities have been granted to him/her.	Advice OLC; approval FGV (7.13 m)
8. The decision as referred to in paragraph 5 may specify a limited validity of the facilities granted.	Advice OLC; approval FGV (7.13 m)

5. Hardship clause

Article 5.1 Hardship clause

In instances not regulated by the Teaching and Examination Regulations or in the event of demonstrable extreme unreasonableness and unfairness, the faculty board responsible for the study programme will decide, unless the matter concerned is the responsibility of the Examinations Board.	Advice OLC; approval FGV (9.38 sub b)
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Section B1: Programme specific – general provisions

6. General programme information and characteristics

Article 6.1 Study programme information

1a. The programmes Master Accounting and Control (CROHO number 60047), Master Business Administration (CROHO number 60644), Master Digital Business and Innovation (CROHO number 60968) Master Econometrics and Operations Research (CROHO 66833), Master Economics (CROHO number 66401), Master Finance (CROHO number 660046), Master Marketing (CROHO number 60048), Master Spatial, Trans and Environmental Economics (CROHO number 60444) Master Transport and Supply Chain Management (CROHO number 60471) are all offered on a full-time basis. The programme Accounting and Control (CROHO number 60047) is also offered on a part-time basis.	Advice OLC; approval FGV (7.13 i)
1b The full-time programme has a nominal study duration of 1 year; part-time 2 years.	Advice OLC; approval FGV (7.13 i)

Article 6.2 Teaching formats used and modes of assessment

1. The programme uses the teaching formats as specified in the study guide.	Advice OLC; approval FGV (7.13 x)
2. The modes of assessment used per educational component are specified in the study guide.	Advice OLC; approval FGV (7.13 l)

7. Further admission requirements

Article 7.1 Intake date(s)

The full-time Master programmes are offered starting in the first semester of the academic year (1 September) only. The part-time Master's programmes start in the first and in the second semester (1 February). The Pre-Master's programmes start in the second semester (1 February).	Advice OLC; approval FGV (9.38 sub b)
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Article 7.2 Admission requirements

1. Students will be admitted to the degree programme if they hold a certificate of admission, issued by or on behalf of the Faculty Board because they have demonstrated that they meet the knowledge, understanding and skills requirements reflecting the final level of attainment in an academic Bachelor's degree programme in Economics, Econometrics and/or (International) Business Administration as stipulated in the Admission requirements published on the website of the VU.	Advice OLC, approval by FGV (9.38 sub b)
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2. The Admissions Board will investigate whether the applicant meets the admission requirements.	Advice OLC; approval by FGV (9.38 sub b)																																																																																																			
3. Applicants with a bachelor's degree obtained at an institution outside the Netherlands may be asked for additional methods to prove that they meet the admission requirements.	Advice OLC; approval FGV (9.38 sub b)																																																																																																			
4. The proficiency requirement in English as the language of instruction can be met if, no longer than two years before the start of the programme, the applicant has successfully completed one of the following examinations with at least the scores indicated: <table><tr><th>Master</th><th colspan="5">IELTS</th><th colspan="3">TOEFL with a TWE score of 4,5</th></tr><tr><th></th><th>General score</th><th>Minimum Score Speaking</th><th>Minimum Score Listening</th><th>Minimum Score Reading</th><th>Minimum Score Writing</th><th>PBT</th><th>CBT</th><th>IBT</th></tr><tr><td>Accounting and Control</td><td>6.5</td><td>6.0</td><td>6.0</td><td>6.5</td><td>6.5</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Business Administration</td><td>6.5</td><td></td><td></td><td></td><td>6.0</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Digital Business and Innovation</td><td>6.5</td><td></td><td></td><td></td><td>6.0</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Econometrics and Operations Research</td><td>6.5</td><td>6.0</td><td>6.0</td><td>6.5</td><td>6.5</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Economics</td><td>6.5</td><td></td><td></td><td></td><td>6.0</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Finance</td><td>6.5</td><td>6.0</td><td>6.0</td><td>6.0</td><td>6.5</td><td>580</td><td>237</td><td>92</td></tr><tr><td>Marketing</td><td>7</td><td>7.0</td><td>7.0</td><td>7.0</td><td>7.0</td><td>600</td><td>250</td><td>100</td></tr><tr><td>Spatial, Transport and Environmental Economics</td><td>6.5</td><td></td><td></td><td></td><td></td><td>580</td><td>237</td><td>92</td></tr><tr><td>Transport and Supply Chain Management</td><td>6.5</td><td></td><td></td><td></td><td>6.0</td><td>580</td><td>237</td><td>92</td></tr></table>	Master	IELTS					TOEFL with a TWE score of 4,5				General score	Minimum Score Speaking	Minimum Score Listening	Minimum Score Reading	Minimum Score Writing	PBT	CBT	IBT	Accounting and Control	6.5	6.0	6.0	6.5	6.5	580	237	92	Business Administration	6.5				6.0	580	237	92	Digital Business and Innovation	6.5				6.0	580	237	92	Econometrics and Operations Research	6.5	6.0	6.0	6.5	6.5	580	237	92	Economics	6.5				6.0	580	237	92	Finance	6.5	6.0	6.0	6.0	6.5	580	237	92	Marketing	7	7.0	7.0	7.0	7.0	600	250	100	Spatial, Transport and Environmental Economics	6.5					580	237	92	Transport and Supply Chain Management	6.5				6.0	580	237	92	Advice OLC; approval FGV (9.38 sub b)
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Spatial, Transport and Environmental Economics	6.5					580	237	92																																																																																												
Transport and Supply Chain Management	6.5				6.0	580	237	92																																																																																												
5. Applicants who: - completed an English-taught secondary or higher education degree in Canada, the United States, the United Kingdom, Ireland, New Zealand or Australia or - have earned a Bachelor's , Pre-master or Master's degree in an English-taught programme accredited by NVAO in the Netherlands, or - have earned a Bachelor's or Master's degree in an accredited English-taught programme in another member state of the European Union - Cambridge Certificate of Proficiency in English (CPE) or Cambridge Certificate of Advanced English (CAE), score A, B of C are exempted from the requirements referred to in paragraph 4.	Advice OLC; approval FGV (9.38 sub b)																																																																																																			

Article 7.3 Selection criteria

1. In addition to the admission requirements referred to in Article 7.2, the Faculty board also sets the following selection criteria the master <i>Digital Business and Innovation</i>: a. A high level of relevant knowledge and skills demonstrated by an average mark of at least 7.0 of the Bachelor's degree program b. Motivation for the programme, demonstrated by a letter stating the motivation for the programme and field of study	Advice of PC, approval by FGV (9.38 sub b)
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Article 7.4 Pre-Master's programme

1. Applicants with a Bachelor's degree of a university of applied science (HBO) or a Bachelor's degree from an institution of academic higher education who wish to enter the programme but do not fulfil the admission requirements as stipulated in Article 7.2 and the selection criteria as stipulated in Article 7.3 can request admission to the pre-Master's programme.	Advice OLC; approval FGV (9.38 sub b)
2. The general final attainment levels of the pre-Master's programme are: a. Knowledge of and insight into: i. processes and phenomena in the selected domain; ii. theories in the selected domain; iii. research methodology. b. Being capable of: i. being able to present an academic argument (verbal and written); ii. critically analyse the professional literature; iii. assess research results in terms of reliability, validity and practicability; iv. analyse and interpret data. c. Show evidence of: i. a critical view of widespread assumptions in society; ii. intellectual integrity; iii. a scientific attitude, i.e. a preparedness to test assumptions and theories.	Advice OLC; approval FGV sub b)
3. In order to be admitted to the premaster's program you must have - a bachelor's degree from a business or economics faculty from an accredited institute of Higher Education and - a GPA of 7.5 or higher calculated over the last three years. If you do not meet these admission requirements you can remedy these deficiencies by submitting a recent GMAT test with a score of 550 or higher or an equivalent GRE test.	
4. The programmes, their components and the examination format used in each component are listed in the Study Guide.	Advice OLC, approval FGV (9.38)
5. The Pre-Master's programmes have a study load of 30 credits 6. A Pre-master's programme of the same name can only be registered for once. a. Successfully completed components of the pre-Master's programmes are valid until 31 August of the academic year in which the results were issued. b. A Pre-Master's programme is only successfully completed when all individual components are passed.	Advice OLC, approval FGV (9.39)

c. Notwithstanding the provisions stated in paragraph a, the Examination board can extend a component's period of validity in special cases. 7. Successful completion of the pre-Master's programme secures admission to the Master's programme or specialization of the same name in the following academic year.	
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8. Examinations and results

Article 8.1 Sequence of examinations

N..A.	Advice OLC; approval FGV (7.13 h, s & t)
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Article 8.2 Validity period for results

1. From September 2017 onwards all examinations passed and examination exemptions that were valid on August 31st 2017 remain valid for an unlimited period of time unless specified otherwise in Section B.	Advice OLC; approval FGV (7.13 k)
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Section B2: Programme specific – content of programme

9. Programme objectives, tracks/specializations, exit qualifications and language

Article 9.1 Workload

1. The programme has a workload of 60 EC, except for - the MSc Finance honours programme 'Duisenberg Honours Programme Finance and Technology,' which has a study load of 84 EC, - the MSc Finance honours programme 'Duisenberg Honours Programme Quantitative Risk Management,' which has a study load of 84 EC, - the MSc Business Administration specialization Management Consulting Honours Track, which has a study load of 84 EC, - the MSc Business Administration specialization 'Duisenberg Honours Programme in Corporate Finance,' which has a study load of 84 EC and - the MSc Econometrics and Operations Research Honours Track Econometrics, which has a study load of 78 EC. - the MSc Econometrics and Operations Research Honours Track Operations Research, which has a study load of 78 EC.	Advice OLC; (7.13 a)
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Article 9.2 Tracks and/or specializations

The programmes have the specializations as mentioned in the study guide.	Advice OLC; (7.13 a)
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Article 9.3 Programme objective

1. The Master programmes have a final attainment level corresponding to the Dublin Descriptors (the Framework of Qualifications for the European Higher Education Area) and the Higher Education Qualifications Framework in the Netherlands. These are expressed in learning objectives. 2. The degree programme aims to achieve the following: - to teach the student specialized knowledge, skills and understanding in the field of the Master programme chosen, i.e. Accounting and Control; Business Administration; Econometrics and Operations Research; (Spatial, Transport and Environmental) Economics; Finance, Marketing, or Transport and Supply Chain Management. - to prepare the student for work in that field for which an academic education is required 3. The degree programme also promotes the academic education of the student, in particular with reference to: - independent, academic thought processes and performance; - communicating at an academic level - applying specialist academic knowledge in a wider and/or philosophical and social context. 4. The degree programme focuses attention on the student's personal development and promotes his or her awareness of social responsibility.	Advice OLC; (7.13 a)
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Article 9.4 Learning objectives

1. See appendix V for the learning objectives.	Approval OLC (7.13 b)
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2. Language proficiency may be taken into account in the assessment of (interim) examinations	Approval OLC (7.13 c)
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Article 9.5 Language of instruction

1. a. The full-time degree programme is taught in the English language and examinations will be taken in English. b. The pre-master programme is taught in the English language and examinations will be taken in English. c. The part-time degree programme is taught in the Dutch or English language and examinations will be taken in Dutch or English	Approval OLC (9.18)
2. As an exception to that stipulated in paragraph 1, the Faculty Board may grant permission in specific cases and in accordance with the Foreign Language Code of Conduct for the programme, or a component of the programme, to be taught in a different language: - in the case of a degree programme or component relating to the language in question; - If the specific nature, organization or quality of the degree programme or component or the origin of the students necessitates this.	Advice OLC; approval FGV (9.38 ub b)
3. If a student requests permission to sit one or more parts of an examination in a language other than the one stipulated by the programme, such request will be subject to that stipulated in the Rules and guidelines issued by the Examination board.	
4. The 'Gedragcode vreemde taal' (code of conduct foreign languages) applies	Ordinance CvB, see Appendix III

10. Curriculum structure

Article 10.1 Composition of the programme

1. The programme comprises at least a package of compulsory components and an individual Master's thesis.	Ordinance CvB, see Appendix III
2. Additionally the programme can offer: - Practical exercises - Electives	Advice OLC; (7.13 a)
3. Educational components are categorized as specialized (400), research oriented (500) and highly specialized (600) level.	Ordinance CvB, see Appendix III

Article 10.2 Compulsory educational components and electives

A detailed description per educational component can be found in the Study Guide.

1. The compulsory components and electives are listed in the Study Guide. An overview of each programme is appended to these Regulations, in appendix VII.	Advice OLC; (7.13 a)
2. If the student wishes to take a different course than the electives listed in the Study Guide, advance permission must be obtained in writing from the Examination board.	

Article 10.3 Maximum exemption

A maximum of 18 credits of the curriculum can be achieved on the basis exemptions granted.	
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11. Evaluation and transitional provisions

Article 11.1 Evaluation of the education

1. The education provided in this programme is evaluated in accordance with the (attached) evaluation plan. The faculty evaluation plan offers the framework.	Approval OLC (7.13 a1)
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Article 11.2 Transitional provisions

Notwithstanding the current Academic and Examination Regulations, for students who started the programme under a previous set of Academic and Examination Regulations, transitional provisions may apply. These are stipulated in appendix VI.	Advice OLC (7.13 a)
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Advice and approval by the Programme Committee on 1 June 2022

Approved by the Faculty Joint Assembly on 12 July 2022

Adopted by the board of the Faculty of the School of Business and Economics on 28 June 2022

Appendix I

Overview of articles that must be included in the OER

Based on Article 7.13, paragraph 2, of the WHW and other Articles of the Act.

Section A: Faculty section

2. Study programme structure	
Article 2.1 Structure of academic year and educational components	7.13 paragraph 2 sub e
3. Assessment and Examination	
Article 3.2 Type of examination	7.13 paragraph 2 sub h, l, j
Article 3.3 Oral examinations	7.13 paragraph 2 sub l, n
Article 3.4 Determining and announcing results	7.13 paragraph 2 sub o
Article 3.5 Examination opportunities	7.13 paragraph 2 sub h, j
Article 3.7 Exemption	7.13 paragraph 2 sub r
Article 3.8 Validity period for results	7.13 paragraph 2 sub k
Article 3.9 Right of inspection and post-examination discussion	7.13 paragraph 2 sub p, q
4. Academic student counselling and study progress	
Article 4.1 Administration of study progress and academic student counselling	7.13 paragraph 2 sub u
Article 4.2 Facilities for students with a disability	7.13 paragraph 2 sub m

Section B1: Programme specific – general provisions

6. General programme information and characteristics	
Article 6.1 Study programme information	7.13 paragraph 2 sub i, r
Article 6.2 Teaching formats used and modes of assessment	7.13 paragraph 2 sub l, x
[option:] Article 6.3 Academic student counselling	7.13 paragraph 2 sub u
7. Further admission requirements	
Article 7.2 Admission requirements	7.30b paragraph 1
Article 7.3 Selection criteria	7.30b paragraph 2, 5
8. Examinations and results	
Article 8.1 Sequence of examinations	7.13 paragraph 2 sub h, s, t
[option 1:] Article 8.2 Validity period for results	7.13 paragraph 2 sub k
[option 2:] Article 8.2 Validity period for results	7.13 paragraph 2 sub k

Section B2: Programme specific – content of programme

9. Programme objectives, tracks/specializations, exit qualifications and language	
Article 9.1 Workload	7.13 paragraph 2 sub g
Article 9.2 Tracks and/or specializations	7.13 paragraph 2 sub a
Article 9.3 Programme objective	7.13 paragraph 2 sub a
Article 9.4 Exit qualifications	7.13 paragraph 2 sub b, c
Article 9.5 Language of instruction	9.18 (implementation expected in 2020)
10. Curriculum structure	
Article 10.1 Composition of the programme	7.13 paragraph 2 sub a
Article 10.2 Compulsory educational components	7.13 paragraph 2 sub a
[Optional] Article 10.3 Elective educational components	7.13 paragraph 2 sub a
[Optional] Article 10.4 Practical exercise	7.13 paragraph 2 sub d
Article 10.5 Participation in practical training and tutorials	7.13 paragraph 2 sub d
11. Evaluation and transitional provisions	
Article 11.1 Evaluation of the education	7.13 paragraph 2 sub a1
Article 11.2 Transitional provisions	7.13 paragraph 2 sub a

Appendix II (English)

Overview of advisory and approval rights of Programme Committees (OLC) and Faculty Joint Assembly (FGV)

Disclaimer: this is a translation which only serves as an aid. No rights may be derived from it. The Dutch document prevails.

Article 7.13, paragraph 2, of the Higher Education and Research Act	FGV		OpIC	
	I	A	I	A
a. content of the programme and associated examinations				
a1. the manner in which teaching and education in the relevant programme are evaluated				
b. the content of the specializations offered as part of the programme				
c. the programme's final attainment levels with regard to the knowledge, understanding and skills				
d. where applicable, the design of practical exercises				
e. the study load of the programme and of each of its constituent educational units				
f. the detailed rules referred to in Article 7.8b, sixth paragraph, and Article 7.9, fifth paragraph (recommendation on continuation of studies)				
g. the Master's programmes to which Article 7.4a, eighth paragraph, applies (elevated study load)				
h. the number and sequence of examinations and the times at which these can be taken				
i. the full-time, part-time or work-study structure of the programme				
j. where necessary, the order, and the periods in which and the number of times per academic year that the opportunity to sit examinations and final degree assessments is given				
k. where necessary, the period of validity for pass grades awarded for examinations, notwithstanding the authority of the Examination Board to extend this period of validity				
l. whether examinations are administered in oral, written or another form, notwithstanding the authority of the Examination Board to decide otherwise				
m. the way in which students with a disability or chronic health condition are given a reasonable opportunity to take the examinations				
n. the public nature of oral examinations, subject to the right of the Examination Board to determine otherwise in special cases				
o. the period within which the results of an examination must be announced, together with details of whether this period can be altered and if so in what way				
p. the way in which and the period within which students who have taken an examination are given the opportunity to inspect their marked work				
q. the way in which and the period within which information can be provided about the questions asked and exercises given in the framework of a written examination and about the standards used for assessment				
r. the grounds on which the Examination Board could grant exemption from the taking of one or more examinations to students who have previously passed examinations in higher education or have acquired knowledge or skills outside higher education				
s. where necessary, the stipulation that students must pass certain examinations as a condition for admission to other examinations				
t. where necessary, the obligation to take part in certain practical exercises with a view to admission to the examination in question, subject to the authority of the Examination Board to grant exemption from this obligation, with or without the imposition of alternative requirements				
u. the monitoring of academic progress and individual student support and guidance;				
v. where applicable, the manner in which students are selected for a special track within a programme as referred to in Article 7.9b (excellence track within a programme)				
x. the actual design of the education provided.				
<i>All other matters that are regulated in the Academic and Examination Regulations but which are not mentioned as such in Article 7.13 of the Higher Education and Research Act under points a to x.</i>				

Abbreviations used:

FGV: Faculty Joint Assembly
OLC: Programme Committee
I: right of approval
A: right of advice

Appendix III

Ordinances VU CvB and Binding Guidelines (richtlijn)

Section A, article:	Concerns:	CvB ordinance / guideline
2.1.1, 2.1.2	Year planning two semesters 8-8-4 (uniforme jaarkalender VU-UvA)	29-9-2008 (period 2009-2015) 22-05-2014 (periode 2016-2025)
2.1.3, 2.1.4	Educational components	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
3.1	Signing up for education and examinations	CvB ordinance 30-09-2010, prior consent USR.
3.4.1	Determination and publication of the results (1) Grading deadline exams 10 workdays (2) Theses 20 workdays	(1) Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017 (2) Quality demand 11 from the VU assessment policy, CvB ordinance 15-05-2012
3.5.1	Two possibilities to take examinations per year	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
3.5.2	Retake: most recent grade is valid. A pass can be retaken	Taken from the UvA guidelines, as part of the harmonization, CvB ordinance 24-02-2014
3.5.4	Extra retake last year	Included in (prior) model OER 16-17 following a request from committee O&O and adopted by CvB op 27-10-2015
3.6	Grades	CvB ordinance 30-09-2010, with University council's consent. As a result of harmonization UvA, the guideline: 5.5 is a pass, has been added. CvB ordinance 24-02-2014.
Section B1, article:	Concerns:	CvB ordinance / guideline
7.2	Admission criteria; at least WO Bachelor's degree	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
7.3	Selection criteria; type of criteria	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
Section B1, article:	Concerns:	CvB ordinance / guideline
10.1	Composition programme	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017
10.2	Categorization of components	Richtlijn Bachelor en Masteronderwijs, revised on 6 June 2017

Appendix IV (English)

Article 2.1 of the Higher Education and Research (Implementation) Act

Entered into force on 1 June 2018

Disclaimer: This is a translation which only serves as an aid. No rights may be derived from it. The Dutch document prevails.

1. The extenuating personal circumstances referred to in Article 7.8b, paragraph 3 and 7.9, paragraph 3 of the Act (WHW) are limited to:

- a. illness of the person concerned,
- b. physical, sensory or other impairment of the person concerned,
- c. pregnancy of the woman concerned,
- d. extenuating family circumstances,
- e. membership, including the chairmanship of:

- 1. at universities: the university council, faculty council, the body established under the participation regulation referred to in Article 9.30, paragraph 3 or Article 9.51, paragraph 2 of the Act, the programme management or the Programme Committee, or membership on the board of a foundation whose bylaws allow for the exploitation of facilities belonging to the student services, or an equivalent body with regard to its activities in the opinion of the board of the institution,
- 2. at universities of applied science: the participation council, district council, student committee or Programme Committee.

f. other circumstances to be designated by the board of the institution in the regulation as referred to in Article 7.8b, paragraph 6 and Article 7.9, paragraph 5 of the Act in which the person concerned engages in activities within the framework of the organization and the administration of the affairs of the institution,

g. membership on the board of a student organization of any size with full legal capacity, or a similar organization of any size, whose primary task regards general societal interest and which actually develops activities for this purpose.

h. other personal circumstances set out in the Teaching and Examination Regulations as referred to in Article 7.13 of the Act, pursuant to Article 7.13, paragraph 2, clause f of the Act,

i. personal circumstances other than those referred to in a – h above which, if overlooked by the governing bodies of the institution, would lead to an obviously unfair outcome.

3. The institutional board may, for the purposes of the first paragraph, part g, establish specific rules regarding the maximum number of eligible board members per organization per academic year, as well as the eligible administrative offices.

Appendix V

Learning Objectives

1. MASTER'S PROGRAMS

2.1 MASTER'S LEARNING GOALS ON SCHOOL LEVEL

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	Have the advanced academic and research skills to contribute to the body of knowledge
2. BRIDGING THEORY AND PRACTICE	Have state-of-the art knowledge and an evidence-based approach to solving complex business or economic problems
3. SOCIAL PROFESSIONAL SKILLS	Have the professional/social skills to interact with other professionals
4. BROADENING YOUR HORIZON	Have a broad horizon beyond the professional area
5. SELF-AWARENESS	Are self-reflective professionals

2.2 MASTER'S LEARNING OBJECTIVES ON PROGRAM LEVEL

MSc DIGITAL BUSINESS AND INNOVATION

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of all the academic research skills necessary to make relevant contributions to the domain of digital innovation and the disciplines of information systems and innovation management
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical understanding of state-of-the-art theory and methods in the domain of digital innovation and the disciplines of information systems and innovation management, as published in top journals
3. BRIDGING THEORY AND PRACTICE - application	3. Examine complex real-life case problems from different (theoretical) perspectives and design well-founded, substantiated solutions based on the appropriate methods and techniques commonly used in the domain of digital innovation (academic and business)
4. SOCIAL PROFESSIONAL SKILLS	4. Work well in a team and reflect on all roles and contributions within teams, interact effectively with stakeholders, and present convincingly in English (orally and in writing) to both academics and professionals
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues within society, their outlook, including both economic interests and environmental, societal and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and knowledge

MSc BUSINESS ADMINISTRATION – SPECIALIZATION INTERNATIONAL MANAGEMENT

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of the academic and research skills necessary to make academically, professionally and societally significant contributions to the International Management discipline
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical mastery of core International Management theory and quantitative and qualitative methods, and of state-of-the-art thinking about the discipline
3. BRIDGING THEORY AND PRACTICE - application	3. Design substantiated solutions to complex practical problems and find opportunities to formulate innovative ideas based on appropriate theories, methods, and techniques commonly used in the field of International Management
4. SOCIAL PROFESSIONAL SKILLS	4. Demonstrate excellent social and communication skills both orally and in writing in multi-stakeholder contexts
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues from the perspective of an academic, a professional and a member of society, and based on deliberate decision-making and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and critically reflect on their own aspirations, strengths and challenges

MSc BUSINESS ADMINISTRATION – SPECIALIZATION LEADERSHIP AND CHANGE MANAGEMENT

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of the academic and research skills necessary to make academic, professional and societal significant contributions to the field of LCM research
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical mastery of core LCM insights and quantitative and qualitative methods, and of state-of-the-art thinking about the discipline
3. BRIDGING THEORY AND PRACTICE - application	3. Design substantiated solutions to complex practical problems and find opportunities to formulate innovative ideas based on appropriate theories, methods, and techniques commonly used in the field of LCM
4. SOCIAL PROFESSIONAL SKILLS	4. Demonstrate excellent social and communication skills both orally and in writing in multi-stakeholder contexts
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues from the perspective of an academic, a professional and a member of society, and based on deliberate decision-making and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and critically reflect on their own aspirations, strengths and challenges

MSc BUSINESS ADMINISTRATION – SPECIALIZATION MANAGEMENT CONSULTANCY

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of the academic and research skills necessary to make academic, professional and societal significant contributions to the field of MC research
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical mastery of core MC insights and quantitative and qualitative methods, and of state-of-the-art thinking about the discipline
3. BRIDGING THEORY AND PRACTICE - application	3. Design substantiated solutions to complex practical problems and find opportunities to formulate innovative ideas based on appropriate theories, methods, and techniques commonly used in the field of MC
4. SOCIAL PROFESSIONAL SKILLS	4. Demonstrate excellent social and communication skills both orally and in writing in multi-stakeholder contexts
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues from the perspective of an academic, a professional and a member of society, and based on deliberate decision-making and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and critically reflect on their own aspirations, strengths and challenges

MSc BUSINESS ADMINISTRATION - SPECIALIZATION STRATEGY AND ORGANIZATION

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of the academic and research skills necessary to make academically, professionally and societally significant contributions to the disciplines of strategic management and organization studies
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical mastery of core strategic management and organizational theory, quantitative and qualitative methods, and of state-of-the-art thinking about the discipline
3. BRIDGING THEORY AND PRACTICE - application	3. Design substantiated solutions to complex practical problems and find opportunities to formulate innovative ideas based on appropriate theories, methods, and techniques commonly used in the fields of strategic management and organization studies
4. SOCIAL PROFESSIONAL SKILLS	4. Demonstrate excellent social and communication skills both orally and in writing in multi-stakeholder contexts
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues from the perspective of an academic, a professional and a member of society, and based on deliberate decision-making and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and critically reflect on their own aspirations, strengths and challenges

MSc BUSINESS ADMINISTRATION – SPECIALIZATION HUMAN RESOURCE MANAGEMENT

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Demonstrate a command of the academic and research skills necessary to make academically, professionally and societally significant contributions to the HRM discipline
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Show a critical mastery of core HRM and OB theory and quantitative and qualitative methods, and of state-of-the-art thinking about the discipline
3. BRIDGING THEORY AND PRACTICE - application	3. Design substantiated solutions to complex practical problems and find opportunities to formulate innovative ideas based on appropriate theories, methods, and techniques commonly used in the field of HRM
4. SOCIAL PROFESSIONAL SKILLS	4. Demonstrate excellent societal and communication skills both orally and in writing in multi-stakeholder contexts
5. BROADENING YOUR HORIZON	5. Formulate their own opinions on master's related issues from the perspective of an academic, a professional and a member of society, and based on deliberate decision-making and ethical concerns
6. SELF-AWARENESS	6. Take responsibility for their own learning and critically reflect on their own aspirations, strengths and challenges

MSc BUSINESS ADMINISTRATION – SPECIALIZATION FINANCIAL MANAGEMENT

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Make a valuable academic, managerial contribution to the financial management profession using academic research skills
2. ACADEMIC AND RESEARCH SKILLS quantitative	2. Use quantitative analysis skills to answer complex research questions in the area of financial management
3. BRIDGING THEORY AND PRACTICE - knowledge	3. Demonstrate state-of-the-art academic knowledge in the areas of financial management
4. BRIDGING THEORY AND PRACTICE - application	4. Can formulate well-founded and substantiated solutions to real-life financial managerial challenges
5. SOCIAL PROFESSIONAL SKILLS	5. Are able to present effectively to a variety of stakeholders
6. BROADENING YOUR HORIZON	6. Can formulate their own opinions on financial management questions taking into account the societal and ethical context
7. SELF-AWARENESS	7. Take responsibility for their own learning, knowledge and actions

MSc FINANCE

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Are able to go through all the steps of the academic research process
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2. ACADEMIC AND RESEARCH SKILLS - quantitative	2. Possess the quantitative analysis skills to answer complex research questions in the area of finance
3. BRIDGING THEORY AND PRACTICE - knowledge	3. Demonstrate state-of-the-art academic knowledge in the areas of finance
4. BRIDGING THEORY AND PRACTICE - application	4. Can formulate well-founded and substantiated solutions for real-life finance challenges
5. SOCIAL PROFESSIONAL SKILLS	5. Are able to present effectively and in a balanced way to a variety of audiences
6. BROADENING YOUR HORIZON	6. Can formulate their own opinions on finance questions taking into account the societal and ethical context
7. SELF-AWARENESS	7. Take responsibility for their own learning, knowledge and actions

MSC MARKETING – FULL-TIME

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Make relevant (academic, managerial and societal) contributions to the marketing discipline using academic research skills
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Demonstrate and apply state-of-the-art specialized theory in the field of marketing
3. BRIDGING THEORY AND PRACTICE - application	3. Develop solutions from different theoretical perspectives for complex real-life business problems by applying relevant marketing theories and methodologies
4. SOCIAL PROFESSIONAL SKILLS - teamwork	4. Work well in a team and reflect on all roles and contributions within teams
5. SOCIAL PROFESSIONAL SKILLS - communication	5. Present in English (orally and in writing) to both academics and professionals convincingly
6. BROADENING YOUR HORIZON	6. Formulate own opinion on master's related issues within society, their outlook, including both economic interests and environmental, societal and ethical concerns
7. SELF-AWARENESS	7. Take responsibility for their own learning and knowledge

MSc ECONOMICS

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Can test economic hypotheses and draw policy conclusions using statistical and mathematical techniques applied to economic data
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Understand the academic literature and recognize important contributions to the field of economics

3. BRIDGING THEORY AND PRACTICE - application	3. Can solve real-life societal and market challenges by applying relevant theories and methodologies
4. SOCIAL PROFESSIONAL SKILLS	4. Can present research findings to expert and non-expert audiences
5. BROADENING YOUR HORIZON	5. Can critically assess the answers to pertinent social, societal and economic problems
6. SELF-AWARENESS	6. Can independently identify and fill in gaps in their knowledge and skills to develop as professionals

MSc ACCOUNTING AND CONTROL – FULL-TIME AND PART-TIME

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Can make relevant (academic, managerial and societal) contributions to the academic body of knowledge in accounting and control using academic research skills
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Can apply commonly used accounting and control techniques and concepts, referring to applicable institutional frameworks
3. BRIDGING THEORY AND PRACTICE - application	3. Can justify a course of action for current complex practice issues drawing on academic theory in the field of accounting and control
4. SOCIAL PROFESSIONAL SKILLS	4. Can present convincingly (orally and in writing) to both academics and professionals
5. BROADENING YOUR HORIZON	5. Can analyze an accounting-related issue from an IT and responsibility perspective
6. SELF-AWARENESS	6. Can explain how they will take responsibility for their own learning, knowledge and actions

MSC ECONOMETRICS AND OPERATIONS RESEARCH

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Make relevant (academic, managerial and societal) contributions to the Econometrics and Operations Research disciplines using academic research skills
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Demonstrate and apply state-of-the-art theory in the fields of econometrics and operations research
3. BRIDGING THEORY AND PRACTICE - application	3. Develop solutions for complex real-life problems by applying relevant econometrics and operations research techniques and methodologies
4. SOCIAL PROFESSIONAL SKILLS	4. Can justify their findings (orally and in writing) to both academics and professionals convincingly
5. BROADENING YOUR HORIZON	5. Can formulate their own opinions on the ethical and social implications of the outcome of their analysis
6. SELF-AWARENESS	6. Take responsibility for their own learning and knowledge

MSC IN SPATIAL, TRANSPORT AND ENVIRONMENTAL ECONOMICS

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Can test economic hypotheses and draw policy conclusions using statistical and mathematical techniques applied to economic data
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Understand the academic literature and recognize important contributions to the field of urban, transport and environmental economics
3. BRIDGING THEORY AND PRACTICE - application	3. Can solve a real-life societal and market challenge by applying relevant theories and methodologies
4. SOCIAL PROFESSIONAL SKILLS	4. Can present research findings to expert and non-expert audiences
5. BROADENING YOUR HORIZON	5. Can critically assess the answers to pertinent social, societal and economic problems
6. SELF-AWARENESS	6. Can independently identify and fill in gaps in their knowledge and skills to develop as professionals

MSc ENTREPRENEURSHIP

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Can make relevant (academic, managerial and societal) contributions to the field of entrepreneurship, using academic research skills.
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Demonstrate thorough knowledge and understanding about entrepreneurship and is able to use that knowledge and understanding to develop, assess and validate both innovative and scalable business ideas as well as academic research. (Knowledge and understanding)
3. BRIDGING THEORY AND PRACTICE - application	3. Can apply their knowledge and understanding on entrepreneurship to solve problems in entrepreneurial contexts that are characterized by a high degree of uncertainty and with limited resources. (Applying knowledge and understanding)
4. SOCIAL PROFESSIONAL SKILLS	4. Can clearly communicate his/her findings related to entrepreneurship, including the underpinning knowledge and rationale, to specialist and non-specialist audiences. (Communication)
5. BROADENING YOUR HORIZON	5. Can integrate knowledge on entrepreneurship, handle complexity, and formulate judgments with incomplete information, taking into account both economic interests and environmental, societal and ethical concerns. (Making judgments)
6. SELF-AWARENESS - learning skills	6. Can study entrepreneurship and apply his/her knowledge and skills in a largely self-directed way. (Learning skills)
7. SELF-AWARENESS - entrepreneurial attitude	7. Developed an attitude that is relevant for the creation, discovery, and exploitation of value-adding opportunities. (Entrepreneurial attitude)

MSc RESEARCH MASTER BUSINESS IN SOCIETY

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Can, under academic supervision, conduct research in the field of business which meaningfully contributes to the scientific debate and that can be submitted to an international, peer-reviewed journal
2. BRIDGING THEORY AND PRACTICE - knowledge	2. Demonstrate a critical understanding of state-of-the-art theory and advanced techniques and research methods in the field of business
3. BRIDGING THEORY AND PRACTICE - application	3. Develop theoretically sound solutions to complex real-life business cases, based on academic theory and methods
4. SOCIAL PROFESSIONAL SKILLS	4. Can present and defend research outcomes (orally and in writing) to an audience of academic researchers
5. BROADENING YOUR HORIZON	5. Evaluate the effects of business on society and vice versa
6. BROADENING YOUR HORIZON	6. Can apply the standards of research ethics and integrity to their own research
7. SELF-AWARENESS	7. Can independently keep track of the developments in the field and embark on independent academic research

MSc TRANSPORT AND SUPPLY CHAIN MANAGEMENT

Graduates...

1. ACADEMIC AND RESEARCH SKILLS	1. Evaluate and assess state-of-the-art theories and methods to develop strategies for practically relevant decision-making in the area of Transport & Supply Chain Management.
2. BRIDGING THEORY AND PRACTICE - knowledge	2a. Assess industry and societal dynamics, challenges and opportunities
3. BRIDGING THEORY AND PRACTICE - application	2b. Analyze and design solutions for complex real-life business problems by selecting appropriate quantitative and qualitative analytical methods in the area of Transport & Supply Chain Management.
4. SOCIAL PROFESSIONAL SKILLS	3. Effectively interact with internal and external stakeholders in managing transport and supply chain related problems and effectively communicate with a variety of audiences.
5. BROADENING YOUR HORIZON	4. Analyze the broad impact of their own and of firm decisions and actions in society.
6. SELF-AWARENESS	5. Critically reflect on their own learning path and their functioning in diverse teams.

Appendix VI

Transitional arrangements

Transitional arrangements due to curriculum changes 2022-2023 SBE Master programmes

Version: 14-07-2022

These are the transitional arrangements related to curriculum changes. The transitional arrangements are relevant for senior students that have to fulfill an earlier curriculum. The overview concerns curriculum changes per 2022-2023. For previous curriculum changes, take a look at VU.nl page Academic and Examination Regulations (AER/OER).

Note: If a specific course from an old curriculum has successfully been passed, you are not allowed to attend the replacing course.

Concerning courses from 2021-2022, that are no longer offered in 2022-2023, transitional arrangements apply:

- Courses that are not offered anymore: one extra exam will be offered, provided you have actually participated in the course during 2021-2022. If you fail this extra exam, or if you do not make use of this opportunity, you can follow the replacing course.
- Concerning courses with a name change: you can follow the course with the new name (provided that you have not passed the original course yet).

Master Accounting and Control (full time)

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Portfolio Accounting and Control	Ac. Year (sept)	6	E_ACC_PFA6	ceased	n.a.	Complete Portfolio and/or Thesis.			
Thesis Accounting and Control	Ac. Year (sept)	12	E_ACC_THS12	ceased	n.a.				

Master Accounting and Control (part time)

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Portfolio Accounting and Control	Ac. Year (sept)	6	E_PTACC_PFA6	ceased	n.a.	Complete Portfolio and/or Thesis.			
Thesis Accounting and Control	Ac. Year (sept)	12	E_PTACC_TH12	ceased	n.a.				

Master Business Administration

Specialization Financial Management

This specialization is part of the Master Finance per 2022-2023. You can continue your programme within the Master Finance. Also, within this specialization a couple of changes have been made:

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Advanced Corporate Financial Management	1	6	E_BA_ACFM	name	no	Advanced Financial Management			E_FIN_AFM
Advanced Finance, Banking and Insurance	2	6	E_BA_AFBFI	course code					E_FIN_AFBFI
Advanced Financial Accounting	4	6	E_BA_AFA	course code					E_FIN_AFA
Bank Management	5	6	E_BA_BANKM	course code					E_FIN_BANKM
Corporate Social Responsibility and Governance	4	6	E_BA_CSRG	course code					E_FIN_CSRG
Corporate Valuation	2	6	E_BA_CV	name	no	Valuation and M&A			E_FIN_VMA
Financial Data Decision Analysis	1	6	E_BA_FDDA	course code					E_FIN_FDDA
Financial Sector Regulation	4	6	E_BA_FSR	course code					E_FIN_FSR
Real Estate Finance and Investment	4	6	E_BA_REFI	course code					E_FIN_REFI
Research Seminar FM	3	6	E_BA_RSFIMA	ceased	week 7 period 1	Research Project for Finance			E_FIN_RPFIN
Sustainable Finance and Investments	2	6	E_BA_SFI	course code					E_FIN_SFI
Thesis MSc Business Administration: Financial Management	Ac. Year (sept)	15	E_BA_TH_FM15	name	No	Thesis MSc Finance – Financial Management			E_FIN_TH_FM
Treasury and Risk Management	2	6	E_BA_TRIM	course code					E_FIN_TRIM

Specialization DHP Corporate Finance

This specialization is part of the Master Finance per 2022-2023. You can continue your programme within the Master Finance. Also, within this specialization a couple of changes have been made:

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Advanced Corporate Financial Management	1	6	E_BA_ACFM	name	no	Advanced Financial Management			E_FIN_AFM
Advanced Finance, Banking and Insurance	2	6	E_BA_AFBI	course code					E_FIN_AFBI
Bank Management	5	6	E_BA_BANKM	course code					E_FIN_BANKM
Corporate Social Responsibility and Governance	4	6	E_BA_CSRG	course code					E_FIN_CSRG
Corporate Valuation	2	6	E_BA_CV	name	no	Valuation and M&A			E_FIN_VMA
Financial Sector Regulation	4	6	E_BA_FSR	course code					E_FIN_FSR
Real Estate Finance and Investment	4	6	E_BA_REFI	course code					E_FIN_REFI
Sustainable Finance and Investments	2	6	E_BA_SFI	course code					E_FIN_SFI
Thesis MSc BA - DSF-CF	Ac. Year	15	E_BA_THS_CF	name	no	Thesis MSc Finance – Duisenberg HP – CF			E_FIN_THS_CF
Treasury and Risk Management	2	6	E_BA_TRIM	course code					E_FIN_TRIM

Specializations HRM, IM LCM MC, SO

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Management Idea Factory	5	6	E_BA_MIF	name	no	Thought Leadership in Business			E_BA_TLB
Managing Service Innovation	5	6	E_BA_MSI	ceased	week 7 period 1	Organizing in a Digital Society			E_BA_ODS

Master Digital Business and Innovation

(none)

Master Economics

(none)

Master Econometrics and Operations Research

Track Econometrics

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Stochastic Integration	4+5	8	XMM_0049	ceased	no	n.a; choose a different elective			
Stochastic Gradient Techniques for Optimization and Learning (LNMB course)	1+2	6	E_EORM_SGTLN	ceased	no; follow the course within the OR track, or choose different elective	n.a.			
Stochastic Gradient Techniques in Optimization and Learning	2	6	E_EORM_STGOL	name	no	Optimization and Learning via Stochastic Gradient Search			E_EORM_OLSGS

Track Operations Research

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Stochastic Integration	4+5	8	XMM_0049	ceased	no	n.a; choose a different elective			
Stochastic Gradient Techniques in Optimization and Learning	2	6	E_EORM_STGOL	name	no	Optimization and Learning via Stochastic Gradient Search			E_EORM_OLSGS

Master Entrepreneurship (JD)

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Analysis Workshop	5	0	E_ENT_AW	ceased	n.a.; content will be lectured within Thesis Proposal				
Methods Workshop	4	0	E_ENT_MW	ceased	n.a.; content will be lectured within Thesis Proposal				

Master Finance

Finance (regular programme)

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Bank Management	5	6	E_BA_BANKM	Course code					E_FIN_BANKM
Real Estate Finance and Investment	4	6	E_BA_REFI	Course code					E_FIN_REFI

Specialization Financial Management

This specialization is part of the Master Finance per 2022-2023. You can continue your programme within the Master Finance. Also, within this specialization a couple of changes have been made:

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Advanced Corporate Financial Management	1	6	E_BA_ACFM	name	no	Advanced Financial Management			E_FIN_AFM
Advanced Finance, Banking and Insurance	2	6	E_BA_AFBI	course code					E_FIN_AFBI
Advanced Financial Accounting	4	6	E_BA_AFA	course code					E_FIN_AFA
Bank Management	5	6	E_BA_BANKM	course code					E_FIN_BANKM
Corporate Social Responsibility and Governance	4	6	E_BA_CSRG	course code					E_FIN_CSRG
Corporate Valuation	2	6	E_BA_CV	name	no	Valuation and M&A			E_FIN_VMA
Financial Data Decision Analysis	1	6	E_BA_FDDA	course code					E_FIN_FDDA
Financial Sector Regulation	4	6	E_BA_FSR	course code					E_FIN_FSR
Real Estate Finance and Investment	4	6	E_BA_REFI	course code					E_FIN_REFI
Research Seminar FM	3	6	E_BA_RSFIMA	ceased	week 7 period 1	Research Project for Finance			E_FIN_RPFIN
Sustainable Finance and Investments	2	6	E_BA_SFI	course code					E_FIN_SFI
Thesis MSc Business Administration: Financial Management	Ac. Year (sept)	15	E_BA_TH_FM15	name	No	Thesis MSc Finance – Financial Management			E_FIN_TH_FM
Treasury and Risk Management	2	6	E_BA_TRIM	course code					E_FIN_TRIM

DHP Corporate Finance

This specialization is part of the Master Finance per 2022-2023. You can continue your programme within the Master Finance. Also, within this specialization a couple of changes have been made:

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Advanced Corporate Financial Management	1	6	E_BA_ACFM	name	no	Advanced Financial Management			E_FIN_AFM
Advanced Finance, Banking and Insurance	2	6	E_BA_AFB	course code					E_FIN_AFB
Bank Management	5	6	E_BA_BANKM	course code					E_FIN_BANKM
Corporate Social Responsibility and Governance	4	6	E_BA_CSRG	course code					E_FIN_CSRG
Corporate Valuation	2	6	E_BA_CV	name	no	Valuation and M&A			E_FIN_VMA
Financial Sector Regulation	4	6	E_BA_FSR	course code					E_FIN_FSR
Real Estate Finance and Investment	4	6	E_BA_REFI	course code					E_FIN_REFI
Sustainable Finance and Investments	2	6	E_BA_SFI	course code					E_FIN_SFI
Thesis MSc BA - DSF-CF	Ac. Year	15	E_BA_THS_CF	name	no	Thesis MSc Finance – Duisenberg HP – CF			E_FIN_THS_CF
Treasury and Risk Management	2	6	E_BA_TRIM	course code					E_FIN_TRIM

DHP Finance and Technology

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Financial Sector Regulation	4	6	E_BA_FSR	Course code					E_FIN_FSR

DHP Quantitative Risk Management

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Financial Sector Regulation	4	6	E_BA_FSR	Course code					E_FIN_FSR
Real Estate Finance and Investment	4	6	E_BA_REFI	Course code					E_FIN_REFI

Master Marketing

(none)

Master Spatial, Transport and Environmental Economics

Curriculum 2021-2022						Curriculum 2022-2023			
Course	Period	EC	Course code	Type of change	Resit	Replacing new course	Period	EC	Course code
Real Estate Finance and Investment	4	6	E_BA_REFI	Course code					E_FIN_REFI

Master Transport and Supply Chain Management

(none)

Adopted by the SBE Board on 11 July 2022

Appendix VII

Overview of the programmes

ACCOUNTING AND CONTROL - full time

Serious games need good scorekeeping



1	2	3	4	5	6
Advanced Financial Reporting 6 EC Data Analytics for Accounting and Control 6 EC	Advanced Management Accounting 6 EC		Corporate Law 6 EC or Corporate Law International Students 6 EC		
Graduation Portfolio - Thesis 12 EC			Graduation Portfolio - Thesis 12 EC		
Graduation Portfolio - Other components 6 EC					
Choose minimum 3 courses from 8 Advanced Auditing 6 EC Advanced Corporate Finance for Accounting and Control 6 EC Financial Accounting Theory 6 EC Management Control 6 EC Financieel-Economische Criminaliteit 6 EC, Dutch Enterprising Skills 6 EC Field Work Elective 6 EC Information Risk Management 6 EC					

► Core

► Electives



Mandatory Courses

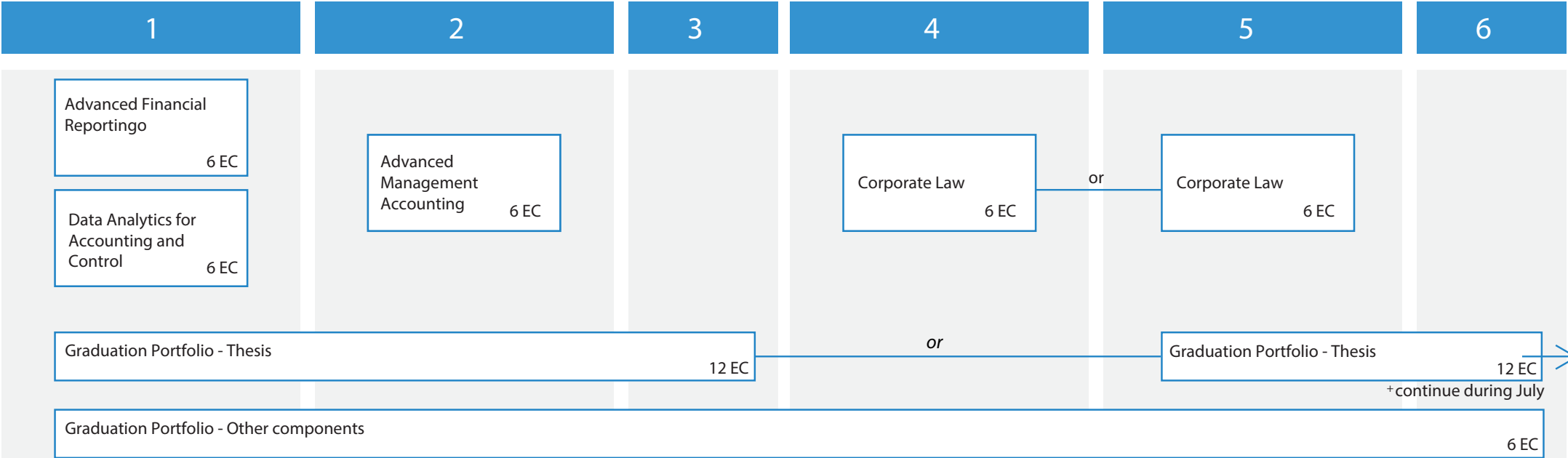


Elective Courses

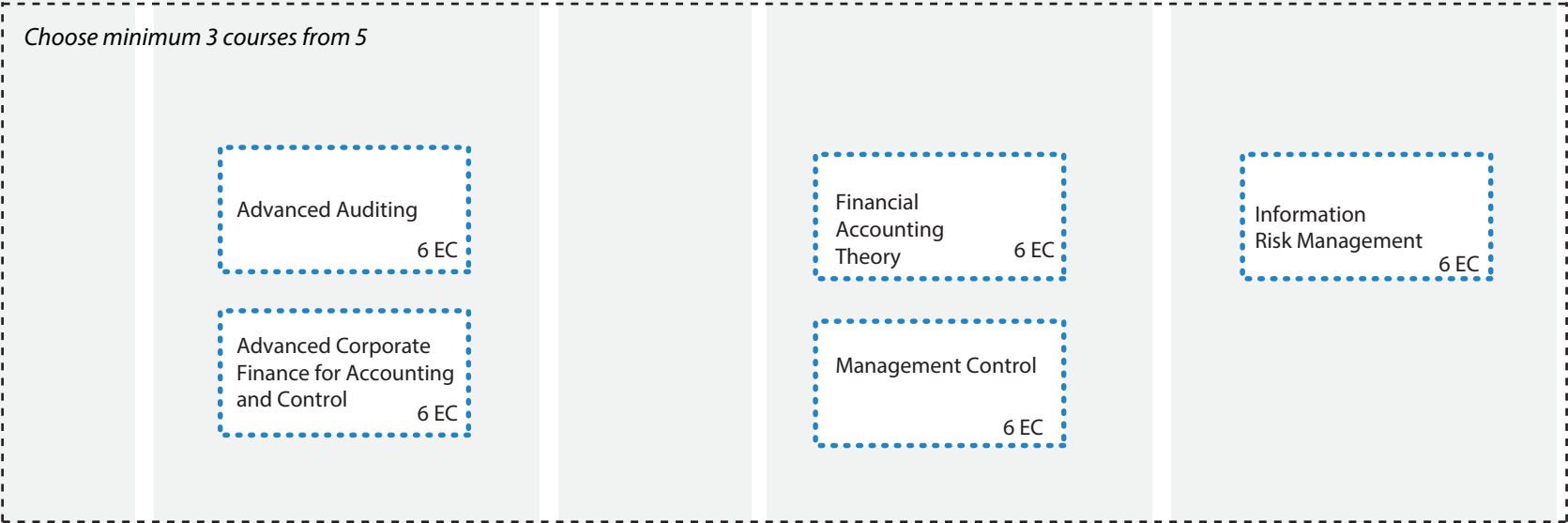
ACCOUNTING AND CONTROL - part time

Serious games need good scorekeeping

► Core

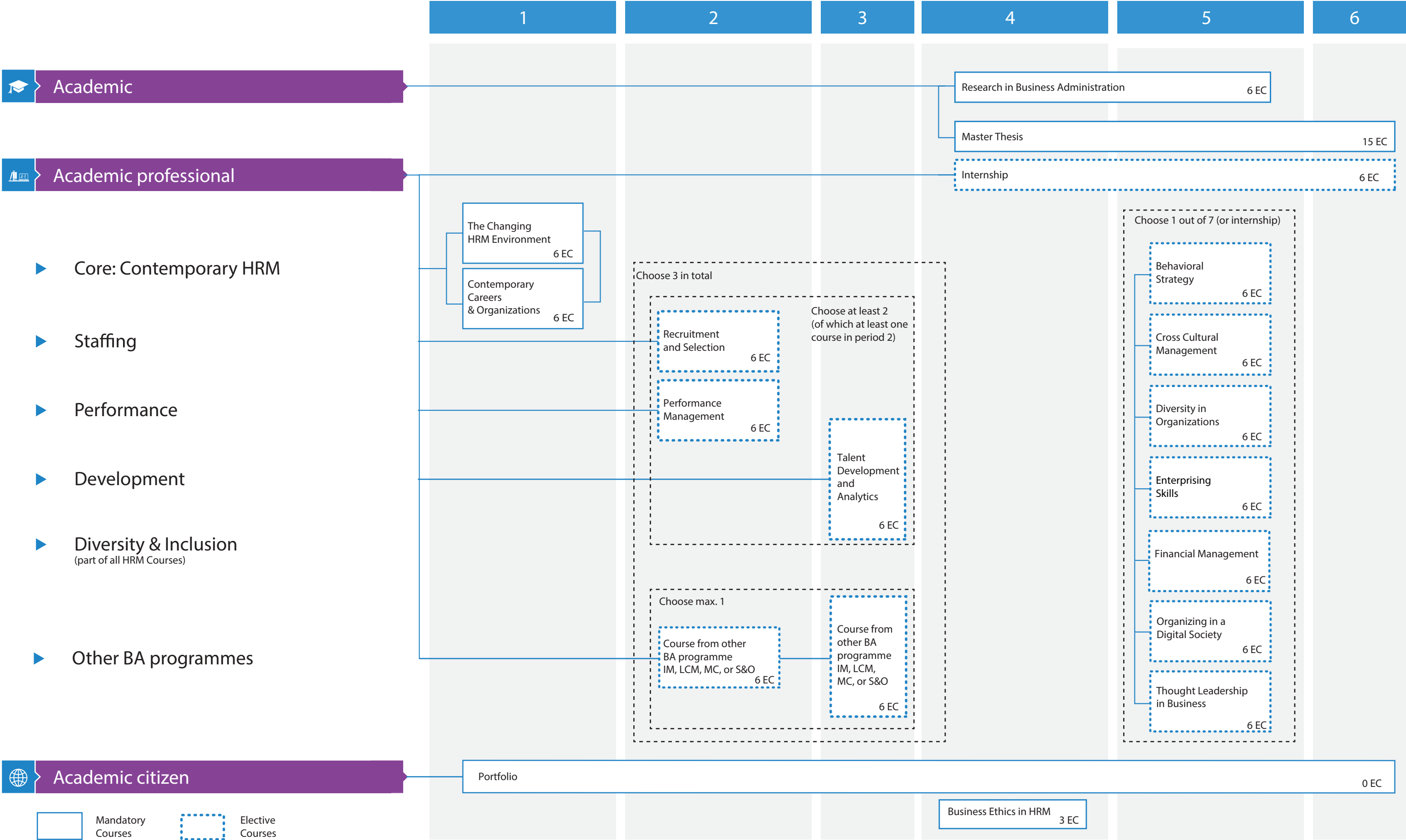


► Electives



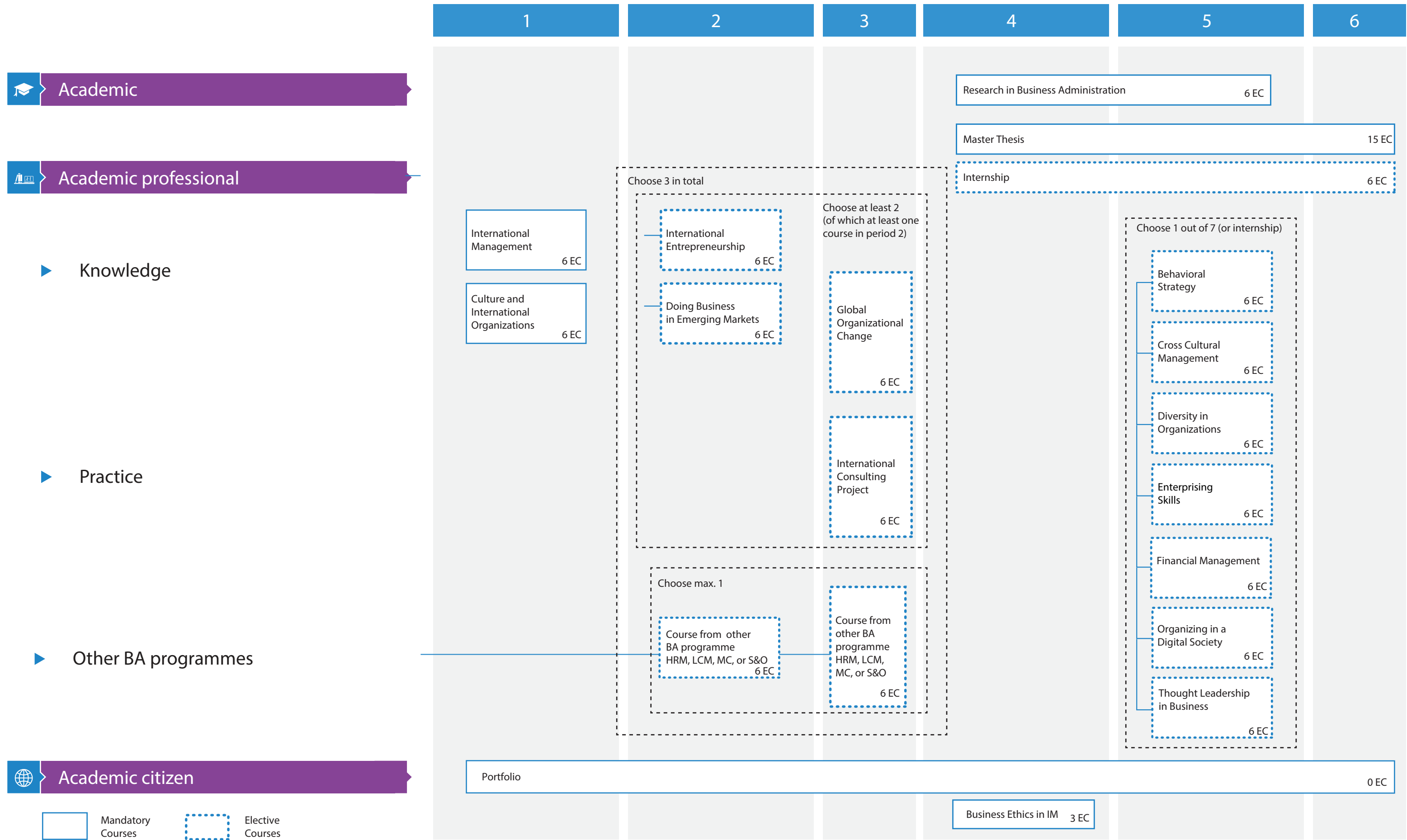
HUMAN RESOURCE MANAGEMENT

Mobilizing People



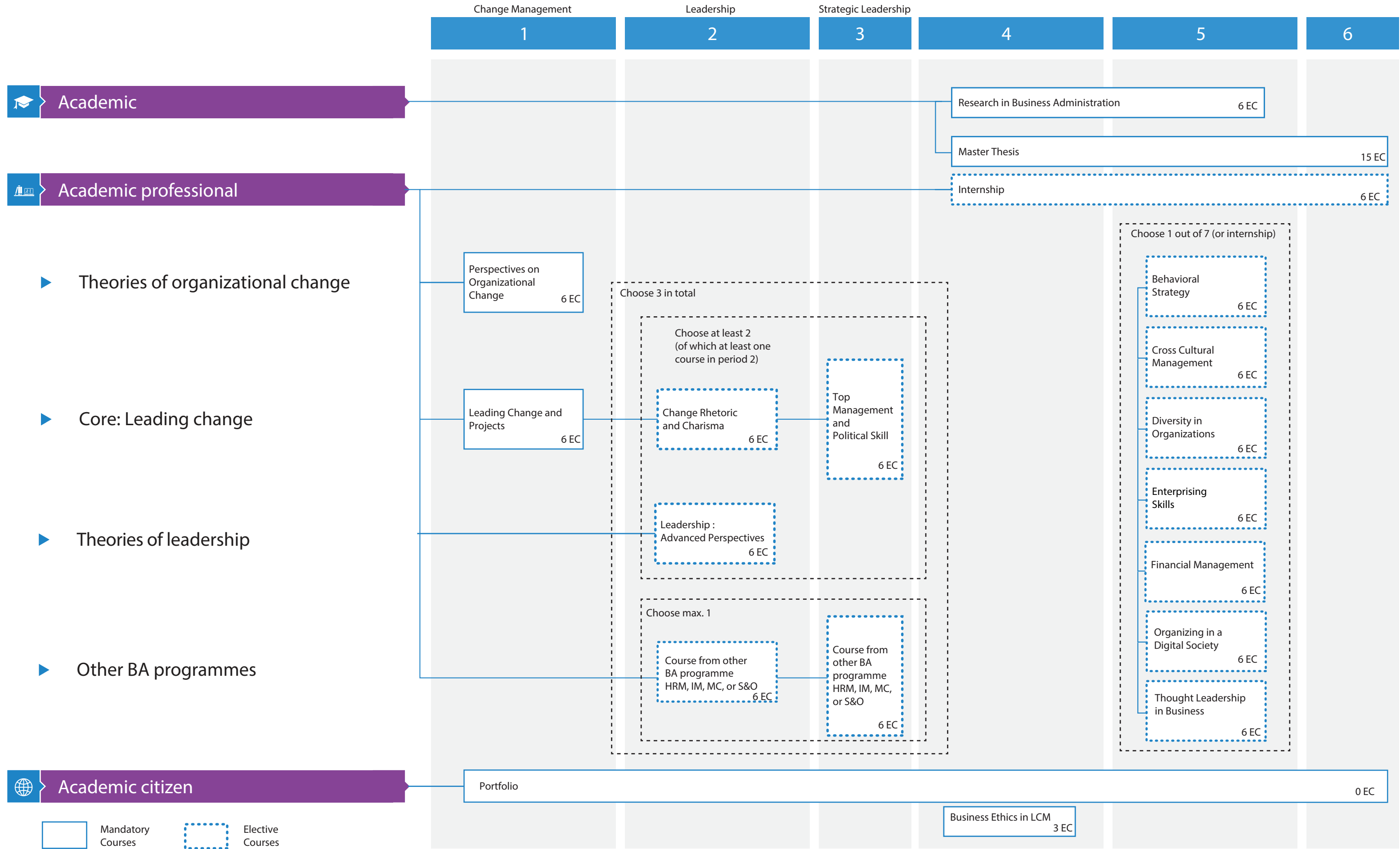
INTERNATIONAL MANAGEMENT

Developing tomorrow’s global business leaders



LEADERSHIP AND CHANGE MANAGEMENT

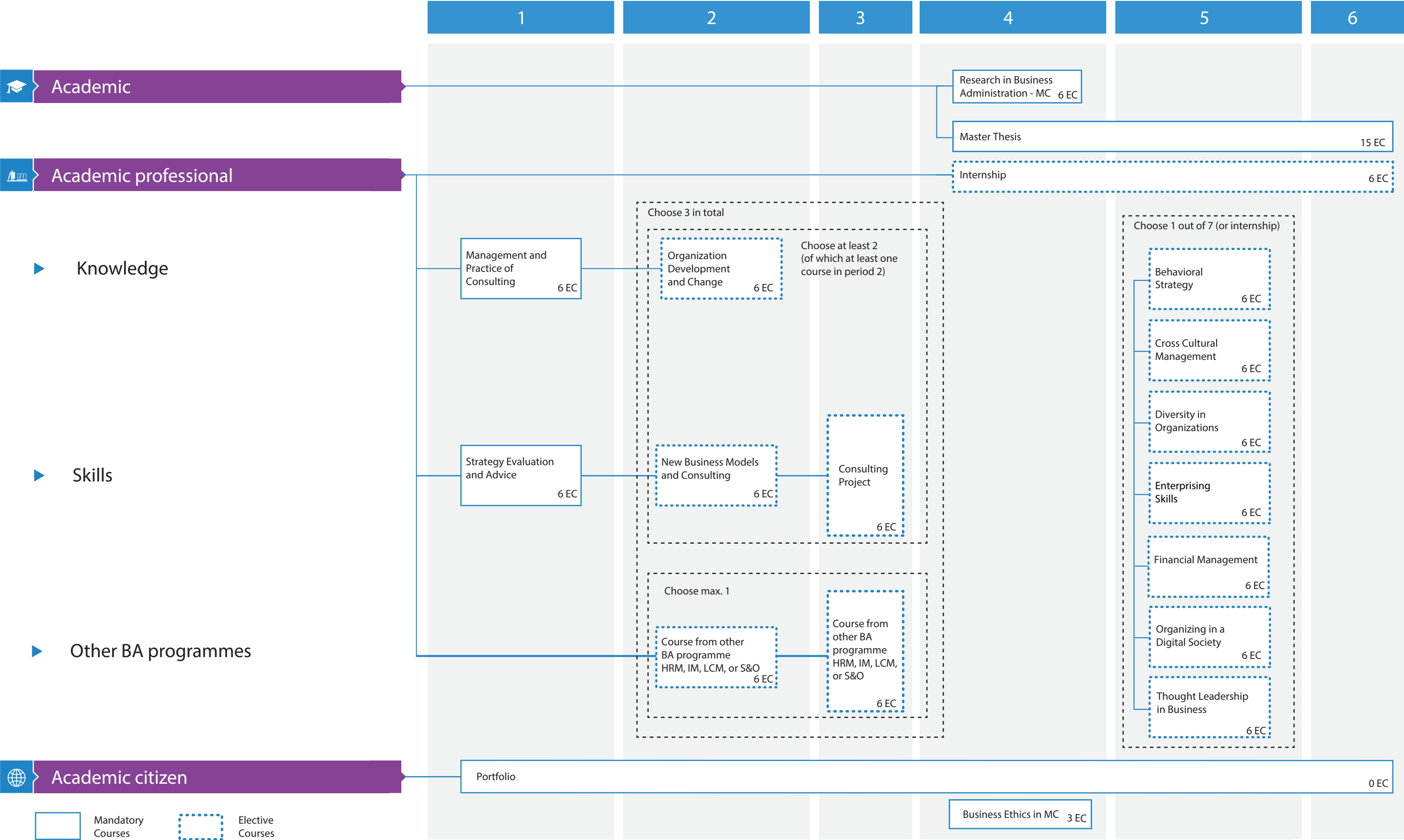
A compass for change adventurers



Mandatory Courses Elective Courses

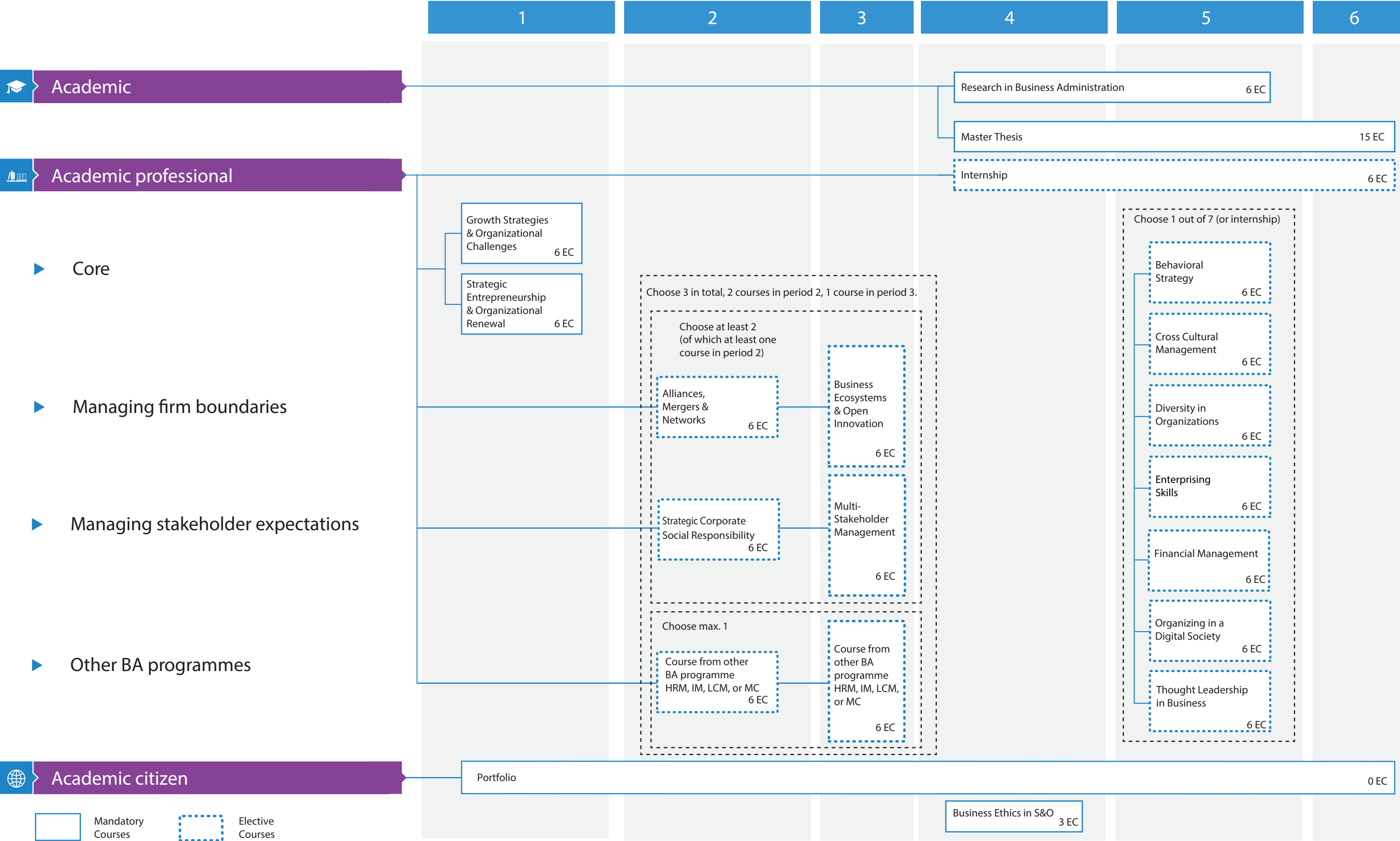
MANAGEMENT CONSULTING

Combine consultant skills with an academic mindset



STRATEGY AND ORGANIZATION

Competing in Dynamic Markets

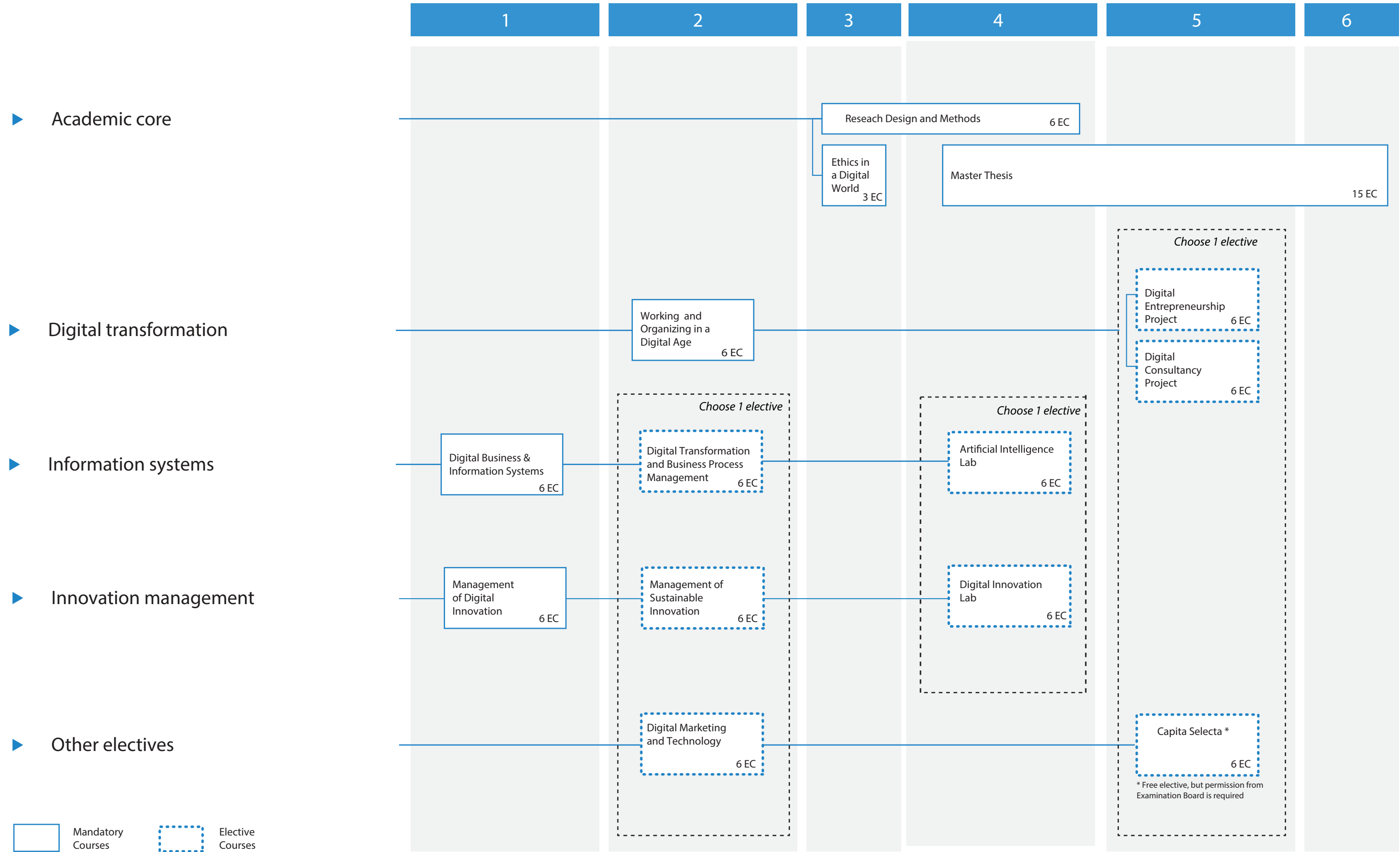


Mandatory Courses

Elective Courses

DIGITAL BUSINESS AND INNOVATION

Meet the business challenges of the digital age



ECONOMICS

Solving the challenges of tomorrow



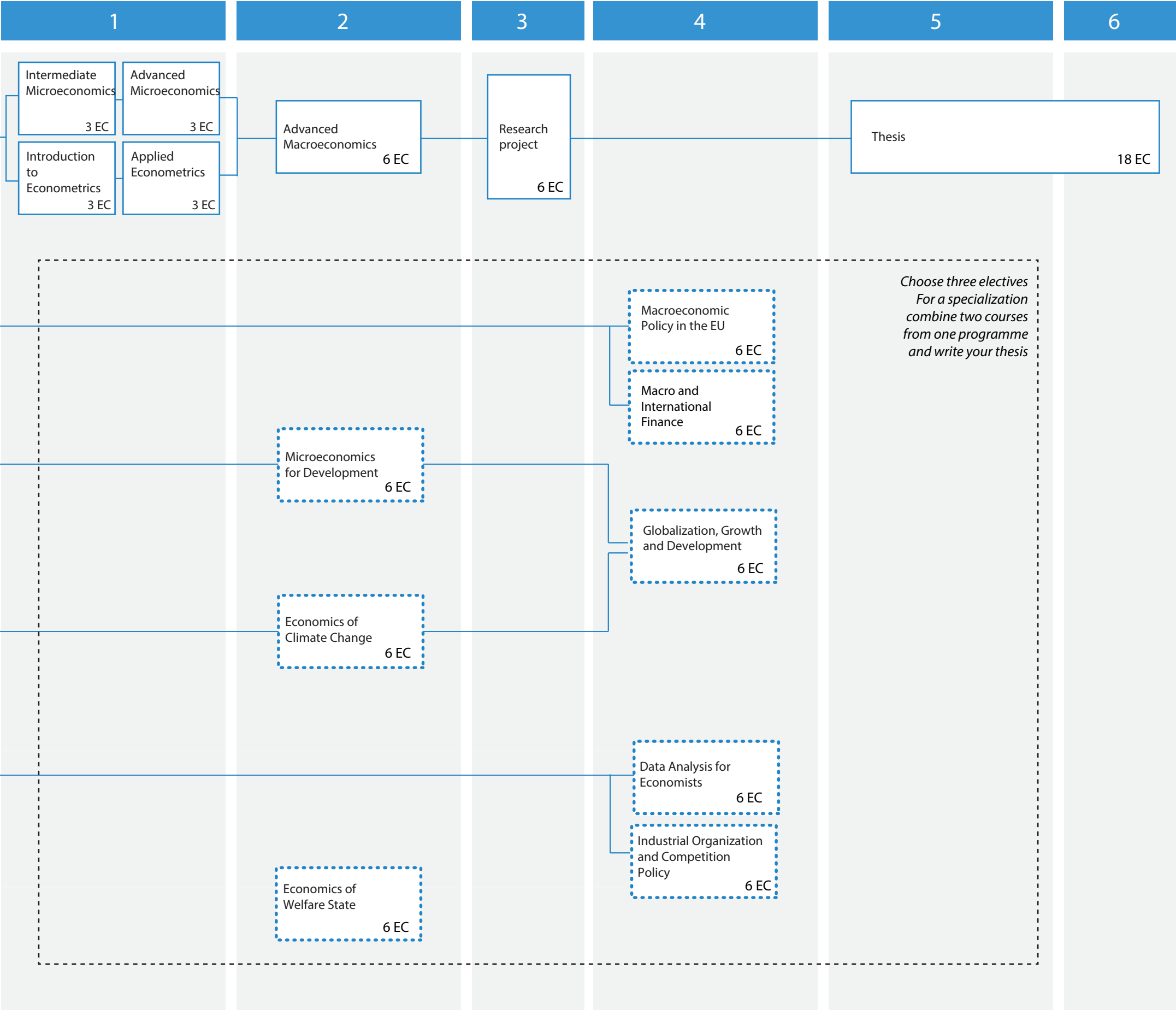
► Core

► Programme in International and Macroeconomic Policy

► Programme in Development Economics

► Programme in Global Challenges

► Programme in Market Analytics

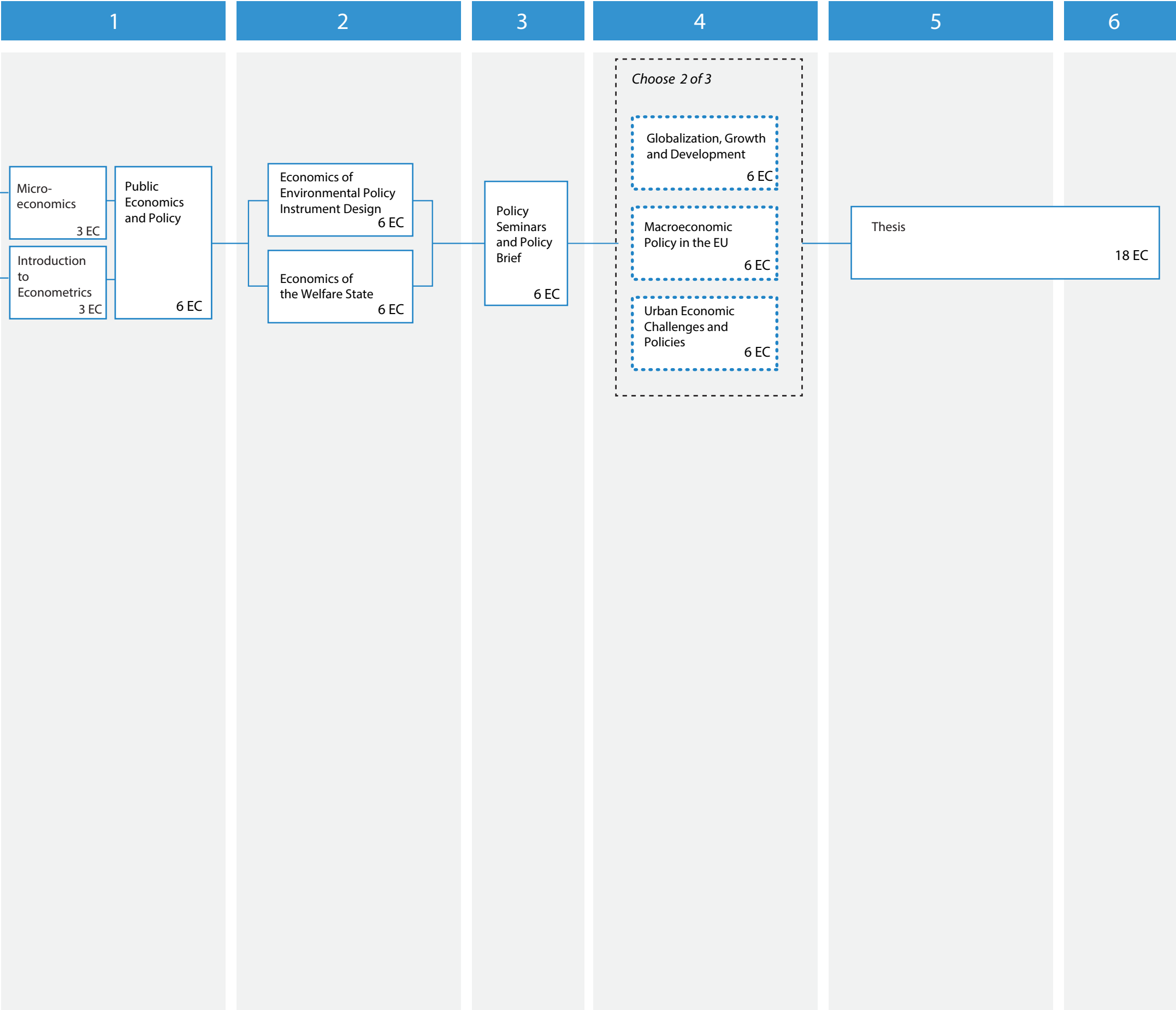


Mandatory Courses Elective Courses

PUBLIC POLICY

Designing policy to deal with great societal challenges

► Core



Mandatory
Courses



Elective
Courses

ANNUAL SCHEDULE MASTER Entrepreneurship (Joint degree) 2022 - 2023

WEEK	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Period 1 (Sep-Okt)								E	Period 2 (Nov-Dec)								E	Period 3 (Jan)				E	Period 4 (Feb-Mar)					E	Period 5 (Apr-May)						E	Period 6 (Jun)				E
	The Entrepreneurial Individual (6 EC)								VU	The Startup Project (6 EC)								UvA	International Entrepreneurship (6 EC)				UvA	Thesis Proposal Entrepreneurship (6 EC)					VU	Thesis (12 EC)											
	The Entrepreneurial Venture (6 EC)								VU	Specialization Courses (6 EC)								UvA / VU	International Entrepreneurship (6 EC)				UvA	Venture Challenge (6 EC)					UvA	Internship / Elective (6 EC)						UvA / VU	UvA / VU				
										Choose 1 of 4:																				Choose 1 of 6 or Internship:											
										* Creative Entrepreneurship																				* Behavioral Strategy											
										* Corporate Entrepreneurship																				* Corporate Venturing											
										* Entrepreneurship in Science and Technology																				* Cross Cultural Management											
										* Social Entrepreneurship																				* Enterprising Skills											
																														* Entrepreneurial Finance											
																														* Managing Creativity											
																														* Entrepreneurial Internship											

School of Business and Economics
Vrije Universiteit Amsterdam

Economics and Business
University of Amsterdam

MANDATORY COURSE
SPECIALIZATION
ELECTIVE
E Exam week

CLIMATE ECONOMETRICS

► Core

► Specialization courses

Mandatory Courses

Elective Courses

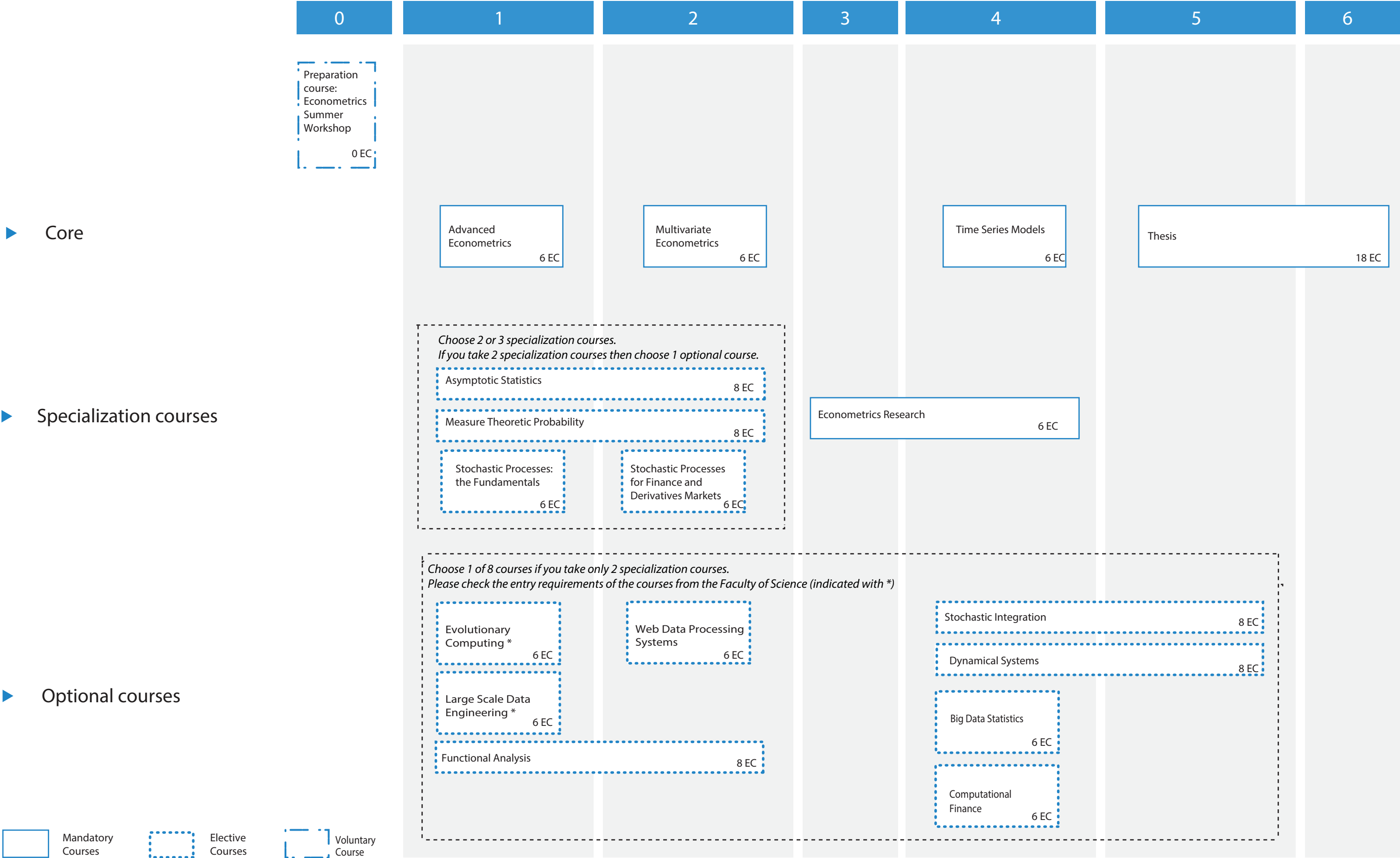
Voluntary Course

0	1	2	3	4	5	6
Preparation course: Econometrics Summer Workshop 0 EC	Advanced Econometrics 6 EC	Multivariate Econometrics 6 EC	Land Use Change and Ecosystems 6 EC	Time Series Models 6 EC	Thesis 18 EC	
Choose 3 of 7; choose at least 1 course with an * Climate Impacts and Policy * 6 EC Climate Systems * 6 EC Climate Hydrological Processes * 6 EC Advanced Spatial Analyses * 6 EC Economics of Climate Change 6 EC Big Data Statistics 6 EC Environmental and Resource Economics 6 EC						

Voluntary Course

ECONOMETRIC THEORY

Your Econometric Challenge for a Life-Time Career Enhancer



ECONOMETRICS AND DATA SCIENCE

► Core

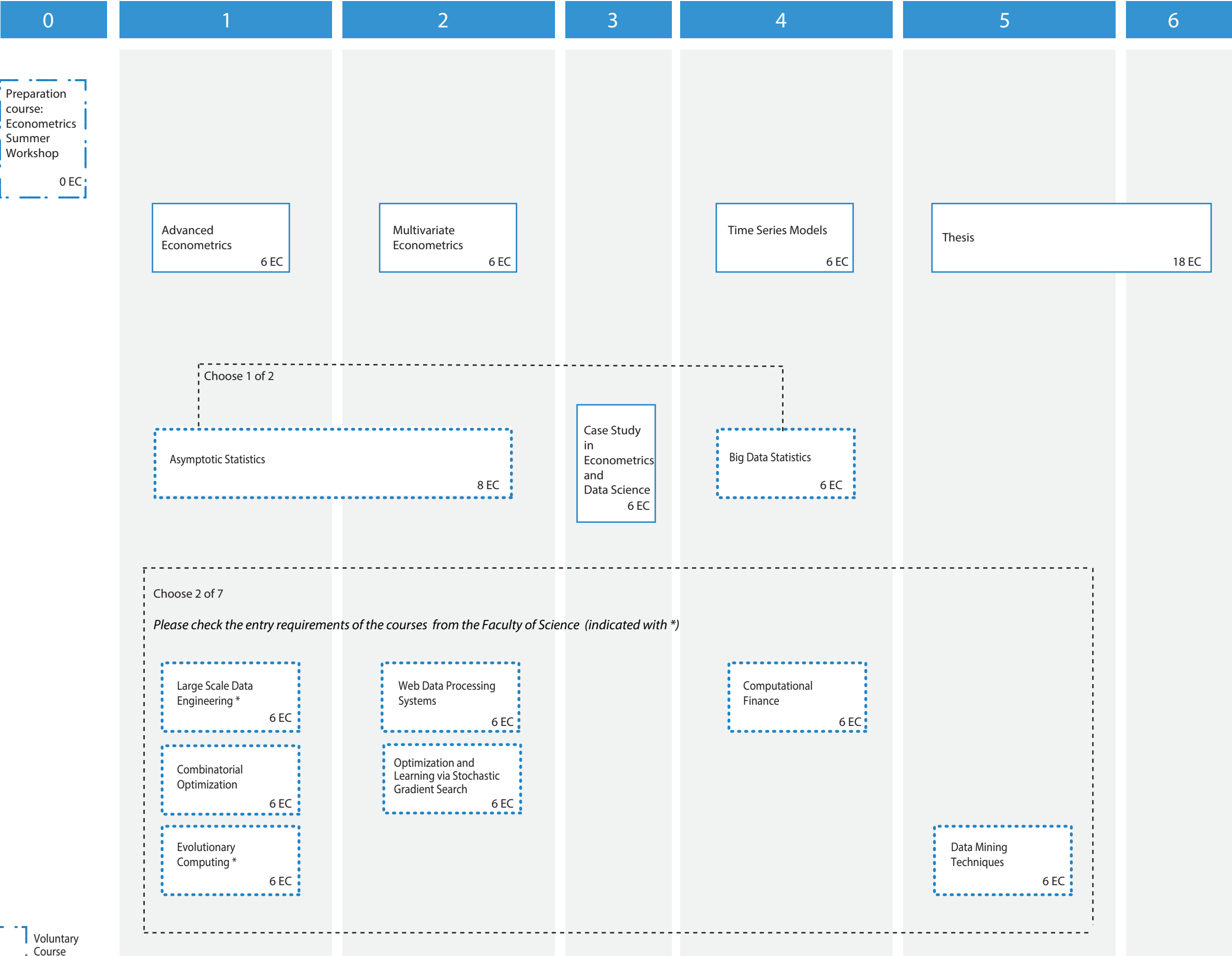
► Specialization course

► Optional courses

Mandatory Courses

Elective Courses

Voluntary Course



FINANCIAL ECONOMETRICS

Your Road to Wall Street: Become the Quantitative Specialist in the Financial Industry



► Core

► Specialization courses

► Optional courses

Mandatory Courses

Elective Courses

Voluntary Course

0	1	2	3	4	5	6
Preparation course: Econometrics Summer Workshop 0 EC						
	Advanced Econometrics 6 EC	Multivariate Econometrics 6 EC		Time Series Models 6 EC		
	Choose 2 or 3 specialization courses. If you take 2 specialization courses then choose 1 optional course. ** You are not allowed to choose both Stochastic Processes for Finance and Derivatives Markets, and Derivatives *** You are not allowed to choose both Asset Pricing and Quantitative Investing.					
	Quantitative Investing *** 6 EC	Asset Pricing *** 6 EC				
	Stochastic Processes: the Fundamentals 6 EC	Stochastic Processes for Finance and Derivatives Markets ** 6 EC		Derivatives ** 6 EC		
			Financial Econometrics Case study 6 EC			
	Choose 1 of 7 courses if you take only 2 specialization courses. Please check the entry requirements of the courses from the Faculty of Science (indicated with *)					
	Large Scale Data Engineering * 6 EC	Web Data Processing Systems 6 EC		Big Data Statistics 6 EC		
		Financial Markets and Institutions 6 EC		Institutional Investments and Asset Liability Management 6 EC	Quantitative Financial Risk Management 6 EC	
				Computational Finance 6 EC		

MARKETING DATA SCIENCE

The Data Science of What How & When: become the Quantitative Specialist in Marketing



► Core

► Specialization courses

► Optional courses

Mandatory Courses

Elective Courses

Voluntary Course

0	1	2	3	4	5	6
Preparation course: Econometrics Summer Workshop 0 EC	Advanced Econometrics 6 EC	Multivariate Econometrics 6 EC		Time Series Models 6 EC	Thesis	
Choose 2 or 3 specialization courses. If you take 2 specialization courses then choose 1 optional course. Please check the entry requirements of the course from the Faculty of Science (indicated with *)						
	Consumer and Marketing Analytics 6 EC Large Scale Data Engeneering * 6 EC	Marketing Strategy 6 EC Web Data Processing Systems 6 EC		Brand Management 6 EC		
			Marketing Data Case 6 EC			
Choose 1 of 6 courses if you take only 2 specialization courses.						
		Digital Marketing and Technology 6 EC Geographical Information Systems 6 EC Regional and Urban Economics 6 EC Transport Economics 6 EC		Big Data Statistics 6 EC	Data Mining Techniques 6 EC	
Voluntary Course						

		0	1	2	3	4	5	6
		Preparation course: Econometrics Summer Workshop 0 EC						
► Core			Advanced Econometrics 6 EC	Multivariate Econometrics 6 EC		Time Series Models 6 EC	Thesis 18 EC	
► Specialization courses			Intermediate Microeconomics 3 EC Advanced Microeconomics 3 EC	Advanced Macroeconomics 6 EC	Research Project Economics 6 EC			
► Optional courses				Choose 1 out of 8 Geographical Information Systems 6 EC Financial Markets and Institutions 6 EC Transport Economics 6 EC Economics of Climate Change 6 EC		Big Data Statistics 6 EC Globalization, Growth and Development 6 EC Industrial Organization and Competition Policy 6 EC		
		Mandatory Courses	Elective Courses	Voluntary Course				

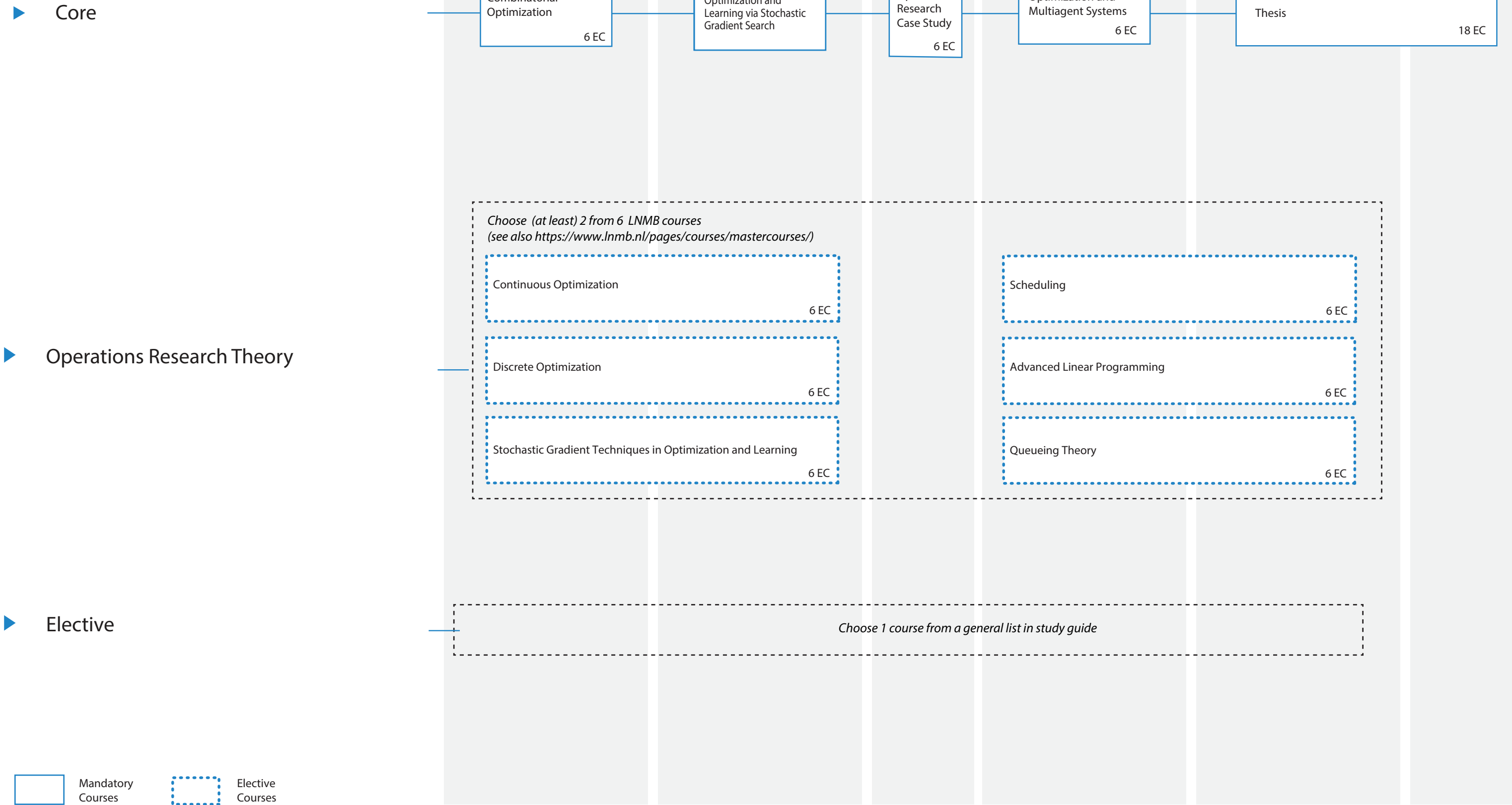
FINANCIAL ENGINEERING

Become the expert on analyzing and designing financial products

	1	2	3	4	5	6
Core	Combinatorial Optimization 6 EC	Optimization and Learning via Stochastic Gradient Search 6 EC	Operations Research Case Study 6 EC	Optimization and Multiagent Systems 6 EC	Thesis 18 EC	
Financial Engineering	Choose (at least) 2 courses from 6 * You are not allowed to take both Stochastic Processes for Finance and Derivative Markets plus Derivatives Econometrics for Quantitative Risk Management I 6 EC Stochastic Processes: the Fundamentals 6 EC Asset Pricing 6 EC Stochastic Processes for Finance and Derivatives Markets * 6 EC Derivatives * 6 EC Institutional Investments and Asset Liability Management 6 EC					
Elective	Choose 1 course from a general list in study guide					

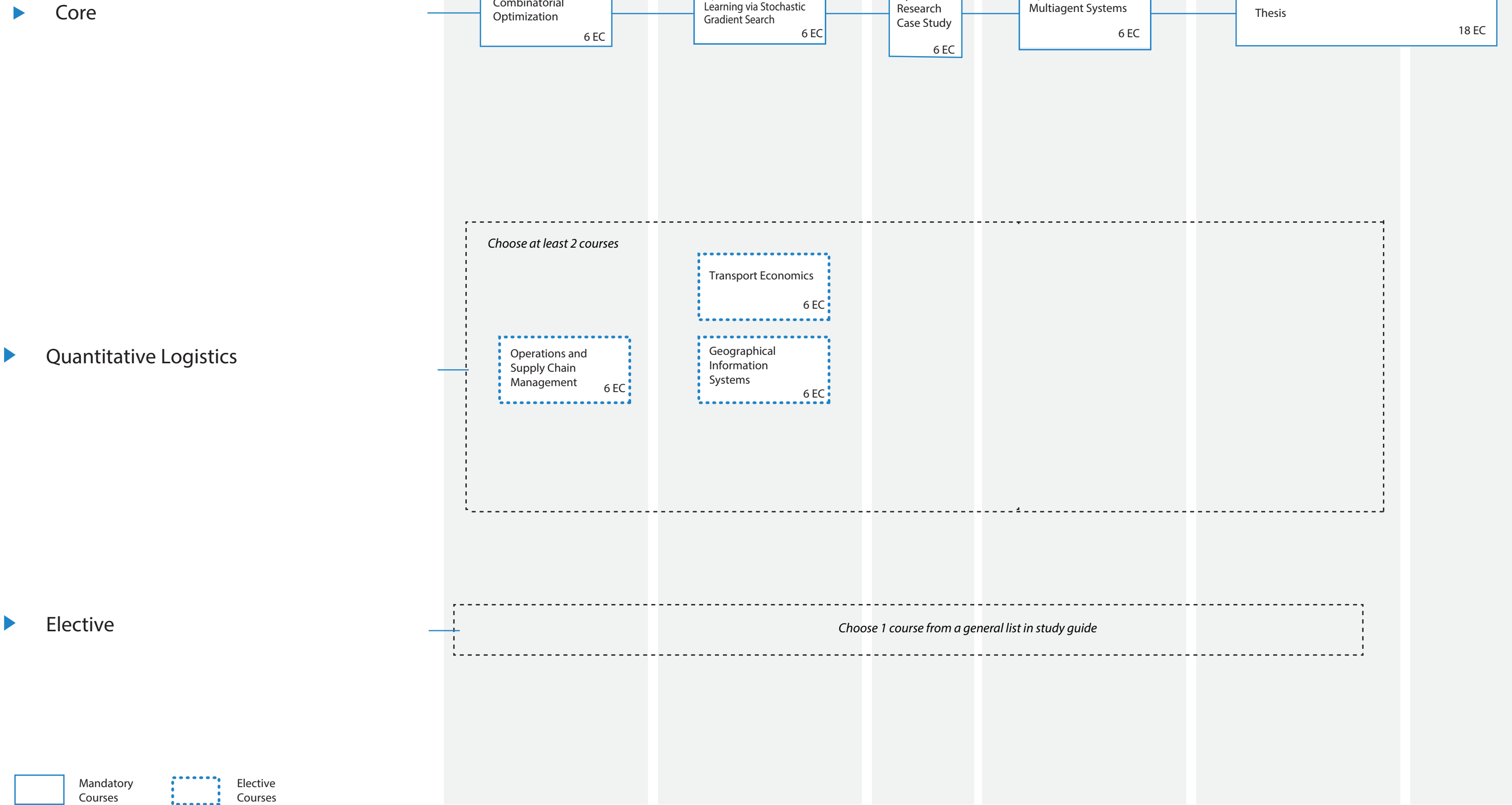
OPERATIONS RESEARCH THEORY

Study at the Frontiers of Science: Become a Game Changer for Industry Practice



QUANTITATIVE LOGISTICS

Shaping supply chain networks in an interconnected world



Finance

Can you compute the price of Google?



	1	2	3	4	5	6
Core	Empirical Finance6 EC	Asset Pricing6 EC	Research Project6 EC	Internship0 EC		
	Advanced Corporate Finance6 EC	Financial Markets and Institutions6 EC		Master Thesis15 EC		
	Personal Development for Finance Professionals3 EC					
Electives	Choose 2 courses					
	Credit, Complexity and System Risk6 EC					
	Derivatives6 EC					Quantitative Financial Risk Management6 EC
	Institutional Investments and Asset Liability Management6 EC					
	Behavioral Finance6 EC					
Corporate Finance	Corporate Social Responsibility and Governance6 EC					Bank Management6 EC
	Corporate Valuation for Finance6 EC					
	Economics of Payment Systems6 EC					
Institutional Finance	The Future of Capitalism6 EC					
	Macro and International Finance6 EC					
	Real Estate Finance and Investment6 EC					
Real Estate Finance	Real Estate Economics6 EC					
	Urban Economic Challenges and Policies6 EC					

Mandatory Courses

Elective Courses

FINANCIAL MANAGEMENT

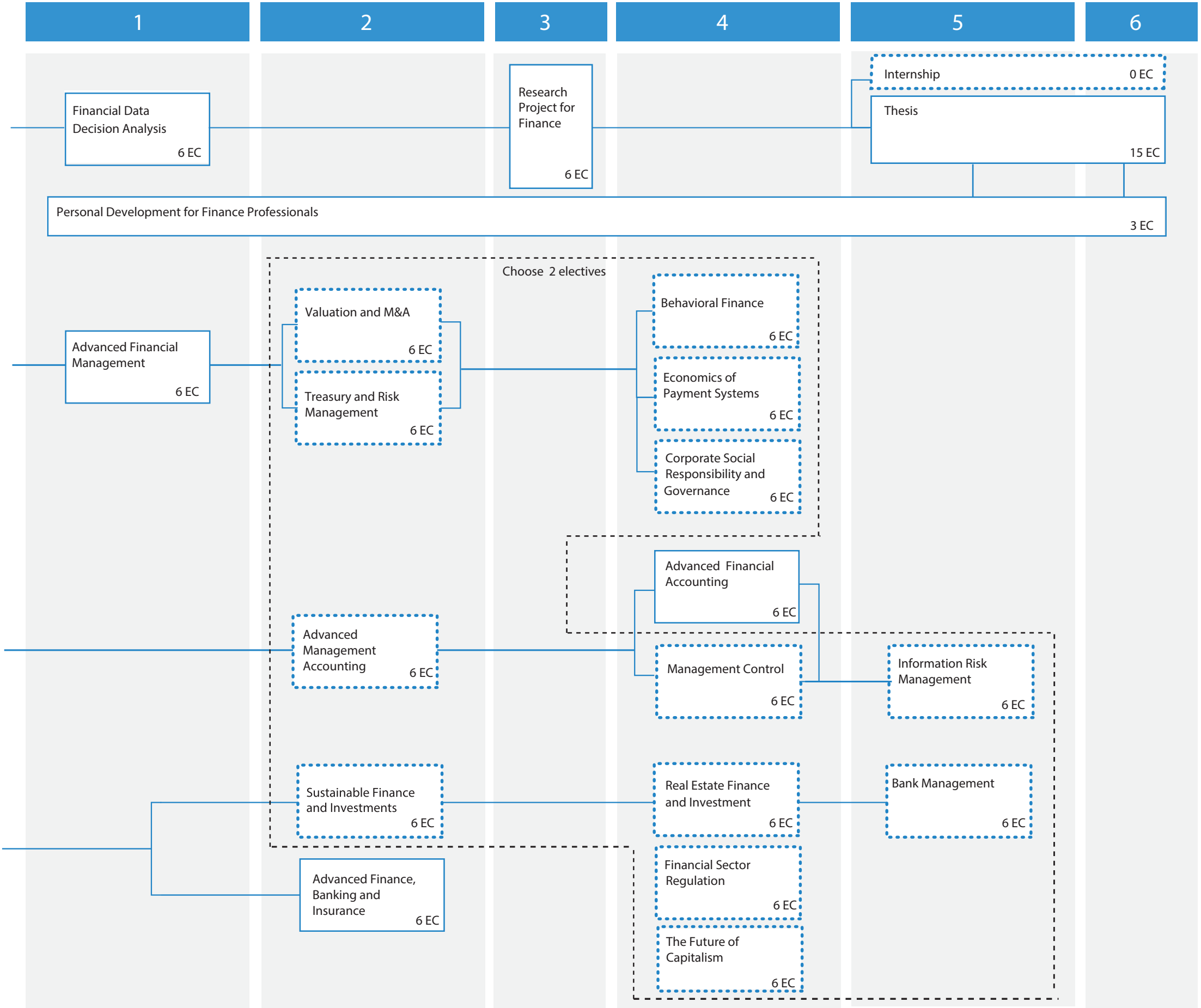
No business without financial management, no financing without a solid business case



- Core
- Corporate Finance
- Accounting
- Sector Management

Mandatory Courses

Elective Courses



Corporate Finance (Duisenberg Honours Programme)

A multi-disciplinary perspective on Corporate Finance



1	2	3	4	5	6
Advanced Financial Management6 EC Empirical Finance6 EC Advanced Financial Reporting6 EC	Advanced Finance, Banking and Insurance6 EC Valuation and M&A6 EC Advanced Management Accounting6 EC or Treasury and Risk Management6 EC or Sustainable Finance and Investments6 EC	Research Project for Finance6 EC	Corporate Social Responsibility and Governance6 EC	Thesis15 EC	
Personal Development for Finance Professionals3 EC					
			Behavioral Finance6 EC Derivatives6 EC Economics of Payment Systems6 EC Financial Accounting Theory6 EC Financial Sector Regulation6 EC Real Estate Finance and Investment6 EC The Future of Capitalism6 EC	Choose 3 electives Bank Management6 EC Information Risk Management6 EC	

► Core

► Electives

Mandatory Courses

Elective Courses

Finance and Technology (Duisenberg Honours Programme)



1	2	3	4	5	6
Empirical Finance 6 EC Advanced Corporate Finance 6 EC Python for Finance 6 EC	Asset Pricing 6 EC Machine Learning for Finance 6 EC Banking and FinTech 6 EC	Research Project 6 EC	Financial Sector Regulation 6 EC Algorithmic Trading 6 EC Credit, Complexity and System Risk 6 EC Derivatives 6 EC Digital Innovation Lab 6 EC Economics of Payment Systems 6 EC	Thesis 15 EC Data Mining Techniques 6 EC Quantitative Financial Risk Management 6 EC	Personal Development for Finance Professionals 3 EC

Mandatory Courses

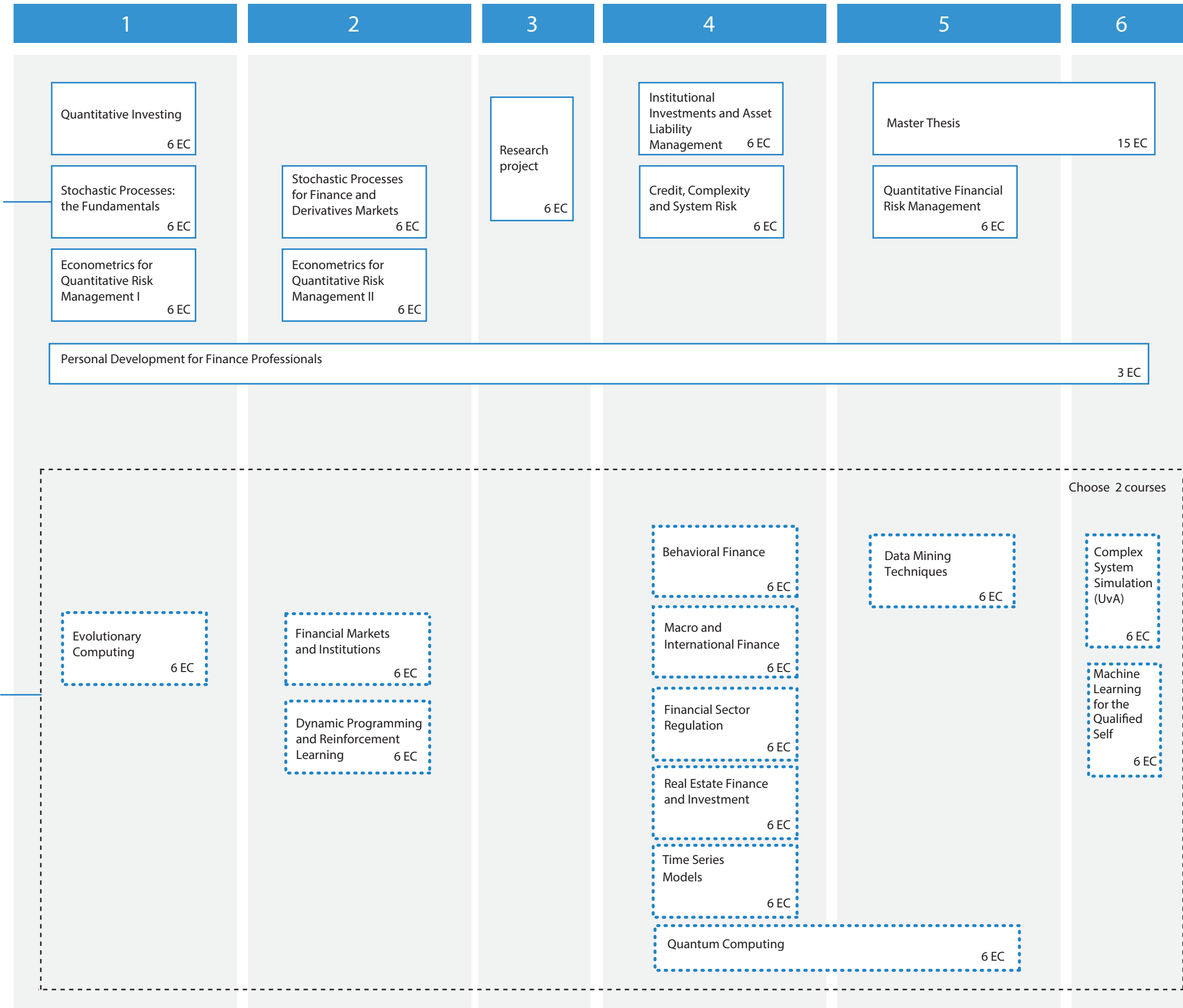
Optional

Quantitative Risk Management (Duisenberg Honours Programme)

How do you manage risk?

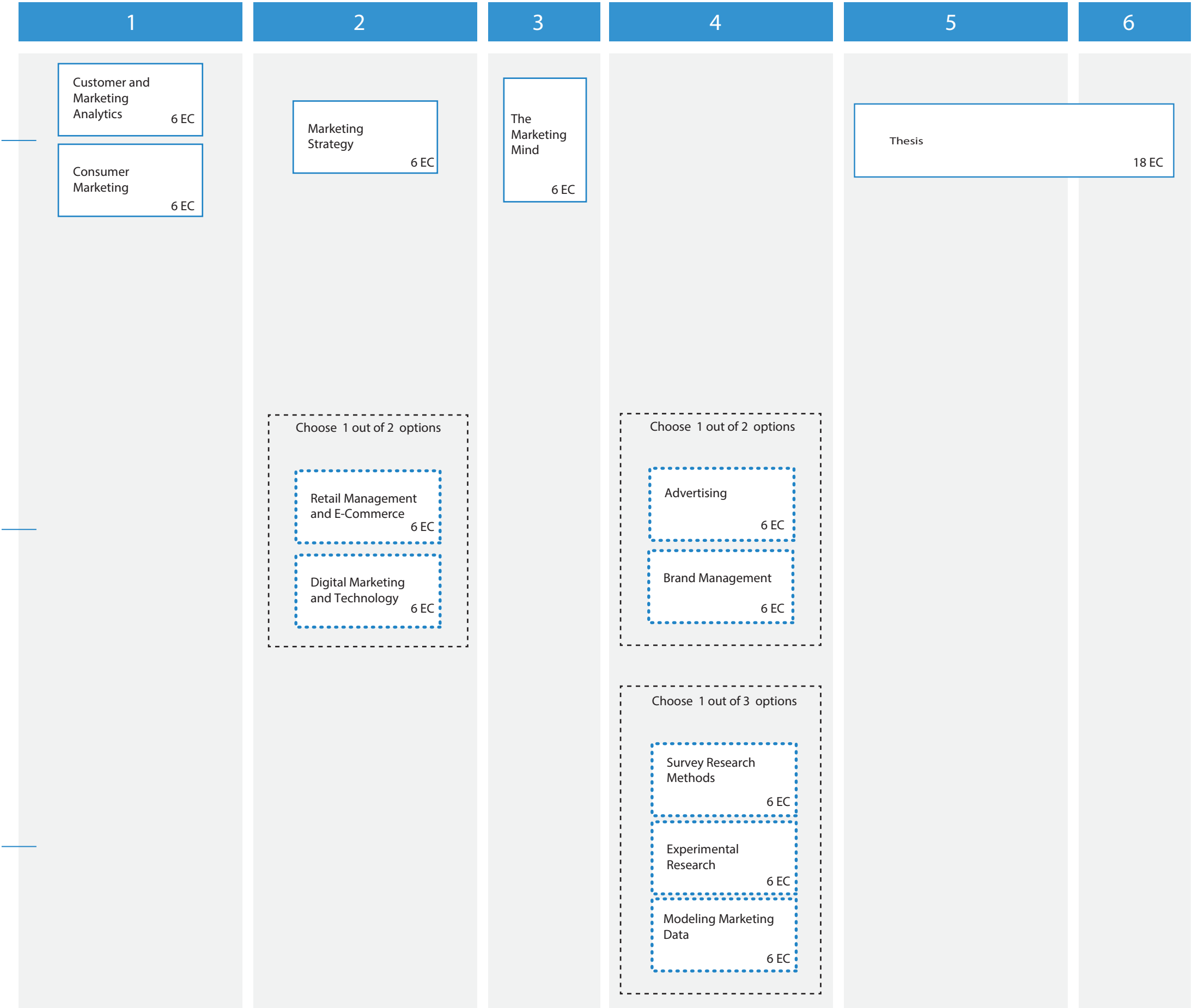
► Core

► Electives



MARKETING

Prove yourself where it matters



Mandatory Courses

Elective Courses

ENVIRONMENTAL ECONOMICS

Understanding the economic and spatial aspects of the great societal challenges in managing local and global environments, natural resources and the transition from fossil fuels to renewable energy.

	1	2	3	4	5	6
Core	Introduction to Econometrics3 EC Applied Econometrics for Spatial Economics3 EC Micro-economics3 EC or Intermediate Micro-economics3 EC Micro-economics for Spatial Economics3 EC	Economics of Climate Change6 EC	Research project6 EC	Environmental and Resource Economics6 EC	Master Thesis18 EC	
Recommended electives		Transport Economics6 EC Economics of Environmental Policy Instrument Design6 EC		Choose 2 courses * Urban Economic Challenges and Policies6 EC	Internship0 EC	
Other electives		Geographical Information Systems6 EC Real Estate Economics6 EC Regional and Urban Economics6 EC		Data Analytics for Economists6 EC Empirical Transport Economics6 EC Real Estate Finance and Investment6 EC		
		* You may also choose one course from another specialization within the master Spatial, Transport and Environmental Economics				
						Portfolio0 EC

Mandatory Courses

Elective Courses

► Core

► Recommended elective

► Other electives

1	2	3	4	5	6
Introduction to Econometrics 3 EC Applied Econometrics for Spatial Economics 3 EC Micro-economics 3 EC or Intermediate Micro-economics 3 EC Micro-economics for Spatial Economics 3 EC	Real Estate Economics 6 EC	Research project 6 EC	Real Estate Finance and Investment 6 EC	Master Thesis 18 EC Internship 0 EC	
	Regional and Urban Economics 6 EC		Choose 2 courses Urban Economic Challenges and Policies 6 EC		
	Economics of Climate Change 6 EC Economics of Environmental Policy Industrial Design 6 EC Geographical Information Systems 6 EC Transport Economics 6 EC		Data Analytics for Economists 6 EC Empirical Transport Economics 6 EC Environmental and Resource Economics 6 EC Institutional Investments and Asset Liability Management 6 EC		
	Portfolio				0 EC

TRANSPORT ECONOMICS

Understanding the economics of the great societal challenges in urban and international transport, mobility and accessibility



	1	2	3	4	5	6
Core	Introduction to Econometrics3 EC Applied Econometrics for Spatial Economics3 EC Micro-economics3 EC or Intermediate Micro-economics3 EC Micro-economics for Spatial Economics3 EC	Transport Economics6 EC	Research project6 EC	Empirical Transport Economics6 EC	Master Thesis18 EC	Internship0 EC
Recommended electives		Regional and Urban Economics6 EC		Choose 2 courses * Airline Business6 EC		
Other electives		Economics of Climate Change6 EC Economics of Environmental Policy Instrument Design6 EC Geographical Information Systems6 EC Real Estate Economics6 EC		Data Analytics for Economists6 EC Environmental and Resource Economics6 EC Real Estate Finance and Investment6 EC Urban Economic Challenges and Policies6 EC		
		* You may also choose one course from another specialization within the master Spatial, Transport and Environmental Economics. In case you choose the recommended course Airline Business, you are not allowed to choose the courses Network Analysis and Data Analytics for Economists.				
		Portfolio				0 EC

Mandatory Courses

Elective Courses

URBAN AND REGIONAL ECONOMICS

Regions, cities and buildings: Understanding the spatial and economic dimensions of urbanization, agglomeration, and regional decline and development



► Core

► Recommended electives

► Other electives

1	2	3	4	5	6
Introduction to Econometrics 3 EC Applied Econometrics for Spatial Economics 3 EC	Regional and Urban Economics 6 EC	Research project 6 EC	Urban Economic Challenges and Policies 6 EC	Master Thesis 18 EC	
Micro-economics 3 EC or Intermediate Micro-economics 3 EC Micro-economics for Spatial Economics 3 EC				Internship 0 EC	
	Transport Economics 6 EC Geographical Information Systems 6 EC		Empirical Transport Economics 6 EC Environmental and Resource Economics 6 EC Real Estate Finance and Investment 6 EC	Choose 2 courses *	
	Economics of Climate Change 6 EC Network Analysis # 6 EC Economics of Environmental Policy Instrument Design 6 EC Real Estate Economics 6 EC		Airline Business # 6 EC Data Analytics for Economists # 6 EC		
			* You may also choose one course from another specialization within the master Spatial, Transport and Environmental Economics # Choose a maximum of one from Network Analysis, Airline Business, and Data Analytics for Economists		
					Portfolio 0 EC

Mandatory Courses

Elective Courses

NO SPECIALIZATION

1	2	3	4	5	6
Introduction to Econometrics 3 EC Applied Econometrics for Spatial Economics 3 EC Micro-economics 3 EC or Intermediate Micro-economics 3 EC Micro-economics for Spatial Economics 3 EC	Choose 4 courses in total * Choose at least 1 Economics of Climate Change 6 EC Real Estate Economiics 6 EC Regional and Urban Economics 6 EC Transport Economics 6 EC Economics of Environmental Policy Instrument Design 6 EC Geographical Information Systems 6 EC Network Analysis 6 EC * Maximally one business course (Network Analysis, Airline Business, Data Analytics for Economists) is allowed	Research project 6 EC	Choose at least 1 Empirical Transport Economics 6 EC Environmental and Resource Economics 6 EC Real Estate Finance and Investment 6 EC Urban Economic Challenges and Policies 6 EC Airline Business 6 EC Data Analytics for Economists 6 EC	Master Thesis 18 EC Internship 0 EC	Portfolio 0 EC

► Core

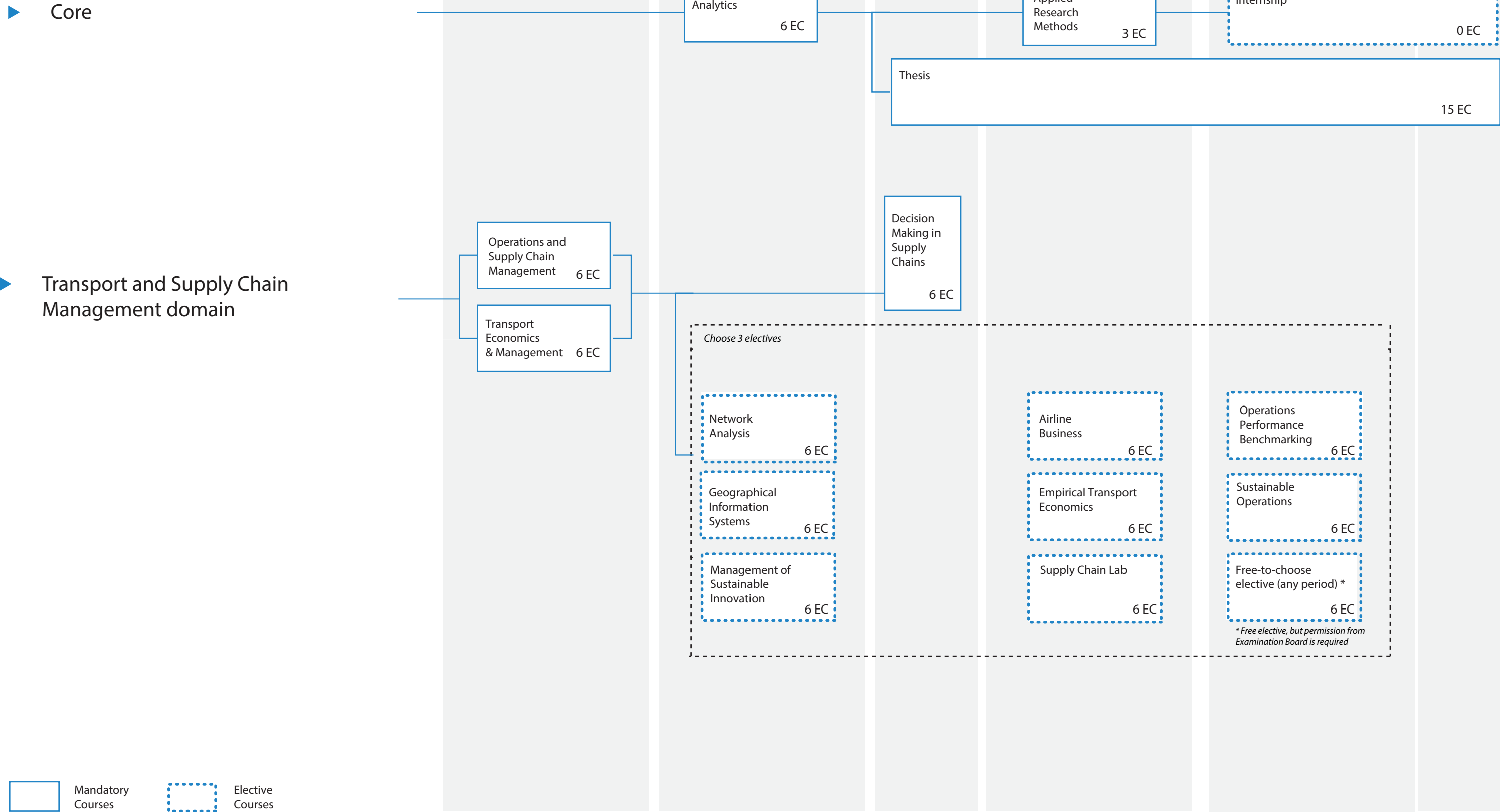
► Electives

Mandatory Courses

Elective Courses

TRANSPORT AND SUPPLY CHAIN MANAGEMENT

A unique combination



Addendum

Pertaining to the 2022-2023 Teaching and Examination Regulations

Teaching and Examination Regulations for Bachelor's students,

Section B1: Programme-specific section

Article 8.1 Additional prior education requirements

Supplementary to paragraph 4, students from institutes of higher professional education (HBO) who are preparing for the first-year examination will be admitted to the Bachelor's programme, provided that: - The student can produce a letter with positive advice on completion from their HBO institution, which must be provided to Vrije Universiteit Amsterdam (VU) by no later than 1 August; - The student must still pass no more than one teaching unit of the first year of HBO, or in the case that more than one teaching unit must still be passed, these must be worth no more than 6 EC; If the student has not passed the first-year examination of an HBO Bachelor's programme at the latest by 31 December 2021, the Bachelor's registration at VU will be terminated. The entry requirement that students have a passing grade for Mathematics A or B at Dutch vwo-level remains in force.	Based on amended Section 7:37c WHW University Student Council's advice on policy (9:33a WHW, second paragraph) Advice of the OLC on each programme via the Teaching and Examination Regulations
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Teaching and Examination Regulations for Master's students

Section B1: Programme-specific section

Article 7.2 Admission requirements

Supplementary to Article 7.2.1, students* are also admissible for the 2022-2023 academic year, start date 1 September 2022, if, by 31 August 2022 at the latest, they have earned at least 162 EC of the Bachelor's programme that confers entitlement to admission, under the following conditions: - The Bachelor's degree certificate must still be obtained before 1 September 2023 or before the Master's degree certificate is obtained, whichever comes first. If this condition is not met, the student will not be able to continue or complete the Master's programme; - the Bachelor's thesis (or other final project) must be completed before the student can start the Master's programme; - the general qualitative entry requirements for any specific program as laid down in the application procedure for students with a different academic background can be met instead of specific courses. they have earned at least 18 EC of the pre-Master's programme, under the following conditions: - The pre-Master's programme must still be successfully completed before 1 September 2023 or before the Master's degree certificate is obtained, whichever comes first. If this condition is not met, the student will not be able to continue or complete the Master's programme; - The final project of the pre-Master's programme must be completed before the student can start the Master's programme. The above supplements do not apply to: - non-EEA students who must complete a Bachelor's programme outside of the Netherlands; - students in SBE Executive Education programs; - students enrolled in the part-time master's in Accounting and Control as part of the programme "opleiding Registeraccountant." .	Based on amended Section 7:37c WHW University Student Council's advice on policy (9:33a Higher Education and Research Act, second paragraph) Advice of the OLC on each programme via the Teaching and Examination Regulations
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Adopted by the board of the School of Business and Economics on

Approved by the Faculty Joint Assembly on