

# **BACHELOR OF SCIENCE PROGRAMS**

## **RULES AND REGULATIONS**

**2021 - 2022 Cohort**

Issued with RD (Rectoral Decree) no.78, 31 August 2021

**In compliance with MD (Ministerial Decree) no. 270, 22 October 2004;  
MD (Ministerial Decree) 16 March 2007 and Bocconi University Academic  
Regulations (Rectoral Decree no. 152, 23 December 2015)**

## **Art. 1 Scope of present Rules and Regulations**

The following Rules and Regulations (under art. 4 of the Bocconi University's Academic Regulations) are applicable to Bachelor of Science programs of “Università Bocconi Milano” (hereafter the “University”).

BSc programs referring to fields of study L-18, L-33, L-35 and L-36 (Ministerial Decree 16 March 2007) are offered by the Bocconi Undergraduate School and have been accredited in compliance with current legislation.

The BSc programs currently offered, their respective field of study and main teaching language used are as follows:

### ***L-18-Management studies***

Economia aziendale e management (Italian)

Economia e finanza (Italian)

Economia e management per arte, cultura e comunicazione - Economics and Management for Arts, Culture and Communication (Italian - English)

International Economics and Management (English)

### ***L-33-Economic studies***

Economic and Social Sciences (English)

International Economics and Finance (English)

Economics, Management and Computer Science (English)

### ***L-35-Mathematical studies (“flexibility rules” as per art. 8.1 DM 6/2019)***

Mathematical and Computing Sciences for Artificial Intelligence (English)

### ***L-36-Political science and International relations***

International Politics and Government (English)

The University also offers the World Bachelor in Business held in English, a triple degree (joint curriculum), in partnership with USC University of Southern California, the Marshall School of Business (Los Angeles) and HKUST Hong Kong University of Science and Technology.

WBB students attend their third year in Bocconi and may choose to spend there also the fourth year. At the end of the program, graduates will be issued a degree from each university (triple degree). Rules and regulation for the World Bachelor in Business are not covered in the present document because *ad hoc* agreements have been reached among the three partner universities.

For each program, the following details are listed and registered in the official Italian University Offer Databank (Banca Dati Ministeriale dell’Offerta Formativa):

- specific qualifying goals and study plan macro structure
- expected learning outcomes based on “Dublin Descriptors” (knowledge, skills and competences)
- career opportunities
- program requirements
- final paper
- admission requirements

## **Art. 2 Program requirements: definition**

Program requirements refer to all “academic activities” included in the study plan aimed to train students of BSc programs.

Academic activities include: courses (face-to-face and on-line lectures, self-study, tutorials), seminars, foreign languages, IT competence, internship, final paper.

The study plan totals 180 CPUs.

Academic activities have been specifically designed to meet the specific qualifying goals of the field of study, in compliance with art. 12, paragraph 2 of MD no. 270, 22 October 2004.

CPU are awarded and registered in the academic transcript upon assessment of students' preparation. Assessment methods vary according to the academic activity type.

Moreover, the University plans and offers other extra-curricular activities which cannot be included in the study plan and are not awarded CPU.

All programs belonging to L-18 and L-33 share a part of academic activities in order to provide the students with a sound cultural background in the core subjects.

Moreover, the first three semesters of the programs listed below have the same format (and are therefore named “common-basis” programs):

- Economia aziendale e management
- Economia e finanza
- International Economics and Management
- International Economics and Finance

## **Art. 3 Academic activities of Bachelor of Science programs**

BSc programs study plans include the following academic activities:

- compulsory courses (set or to be chosen among a limited number of courses listed in the annual Academic Planning)
- compulsory seminars (set or to be chosen among a limited number of seminars listed in the annual Academic Planning)
- elective activities such as courses with marks expressed out of 30, pass/fail activities, internships and similar professional training activities;
- IT competence
- one/two EU foreign language(s)
- final paper

Students can be allowed to replace academic activities offered by the University with academic activities held in other Italian or foreign Universities or other similar reputable Institutions (after the full recognition procedure has successfully completed).

The study plan of students attending a program taught in Italian must include at least one course (compulsory / elective) taught in English.

The rule does not apply to students whose study period abroad (Exchange, Free Mover semester) obtained “recognition”, and the foreign University does not require English competence for application/admission.

At least one exam taken abroad included in the study plan must be recognized in order to allow the recognition of the study abroad period.

Details about program requirements of all Bocconi BSc programs are listed in Annex A; for each academic activity the following details are given:

- typology (basic, characterizing, integrative, etc. as per art. 10 DM 270/2004)
- for courses: academic field (economics, management, law, etc.) and disciplinary field (econometrics, organization, private law, etc.)
- CPU value
- scheduling (1st, 2nd, 3rd year of the program)

Credits awarded for academic activities offered by non-university Institutions cannot be recognized for the fulfillment of program requirements.

For each academic activity goals and learning outcomes are specified according to the procedure laid down in the annual Academic Planning.

#### **Art. 4 Selection for specific academic opportunities**

The University may offer specific academic opportunities (e.g. spending a period of study abroad). Applying students are selected according to the procedures laid down in the annual Academic Planning.

#### **Art. 5 Online learning activities**

On-line learning activities can be offered to support or replace traditional lecturing or other instructor-centered learning activities.

#### **Art. 6 Admission to BSc Programs**

The University carries out the selection procedure before the start of the academic activities of the academic year.

BSc program applicants can be selected according to a standard procedure or using different admission methods, depending on the category of applicant (Italian / International) or other elements.

Detailed admission procedures are laid down in the annual Academic Planning and published on Bocconi website approximately one year before the beginning of the teaching activities.

Admission is subject to:

- the fulfillment of curricular requirements on secondary school education (Italian diploma or non-Italian diploma recognized as equivalent by the Admission Committee).  
In order to be considered valid, all non-Italian diplomas must be received on the basis of at least the last two years of attendance in the foreign education system, awarded after at least 12 years

of study and must be suitable to pursue studies in a first level degree program in the country of issue. A qualifying academic exam for university admission must be passed only if required in the home country;

- Adequate initial preparation, which includes:
  - Language knowledge and competence: students must have a command of English of at least B1 level (CEFR) for BSc programs taught in Italian and at least B2 level (CEFR) for BSc programs taught in English;
  - Competence in scientific and humanities fields, in line with Italian ministerial requirements set for high school and technical institutes.

Language competence can be certified by any of the international certificates in English recognized by the University and annually published online (minimum scores required are specified on the website) or by a non-Italian diploma among those recognized by the University and annually published online. Knowledge of English is a mandatory prerequisite for enrolment in the degree program.

Competence in the scientific and humanistic fields shall be assessed during the selection process by assigning a score on the basis of weighted assessment of:

- secondary school performance (third-last and second-last year)
- performance in an admission test (Bocconi, SAT or ACT test) concerning numerical reasoning, mathematical logic, critical reasoning, comprehension, problem solving.

Students must achieve the minimum threshold test scores to be considered for the admission ranking (“eligible students”).

International students (students attending an Italian or non-Italian secondary school abroad or an international school in Italy) will be scored on the basis on additional elements (e.g. CV) in order to have a better understanding of student’s profile.

Further scores are attributed, with residual weight, for foreign language certificates (if included in the list of certificates recognized by the University and published online).

Eligible students are admitted on the basis of their ranking position within the target number of places made available for the chosen program (selected as first or subsequent option).

Students who pass the selections are admitted without additional educational obligations.

If the number of students enrolled on the basis of the above ranking is lower than the number of places available, the University may create a reserve ranking and admit candidates who have not achieved the minimum threshold admission test score but have nevertheless obtained a score higher than a second established threshold. Students admitted on the basis of the reserve ranking will be required to complete additional educational obligations within their first year of study.

The additional educational obligation may be fulfilled by attending a preparatory course in mathematics (described below) provided through a blended course. Alternatively, the obligation may be fulfilled by passing the basic mathematics exam by the July exam session in the first year of study. Any students failing to meet such obligations shall not be admitted to the second year of study and shall enroll as first-year repeating students.

The University offers all students a blended preparatory course in mathematics (compulsory for any students admitted with additional educational obligations) as well as English-learning tools

(available to all students) and Italian-learning tools (available to non-native Italian-speaking students) for those wishing to improve their knowledge and entry skills.

Students can be selected at the end of the second-last year of secondary school (in June) or during the last year of secondary school (there are two admission periods: January-February and April-May).

#### **Art. 7 Agreements with partner Universities or other qualified Institutions**

In case of agreements with partner Universities or other qualified institutions, different prerequisites and methods for evaluating knowledge, skills and potential for success can be set. The selection procedure can be carried out:

- jointly by the institutions with ad hoc Admission Committees
- by one institution appointed with approval of all the partners involved in the agreement and on the basis of a shared selection procedure

#### **Art. 8 Admission for Students from other Italian and Foreign Universities**

Without prejudice to cooperation agreements, students applying for a Bocconi BSc program who enrolled in an undergraduate program in other Italian or foreign Universities and did not graduate can be admitted to a Bocconi program provided that they pass the selection procedure as per art. 6.

Students can be admitted to the first or second year of a Bocconi program.

In particular, admitted students can enroll:

- in the first year of a program if less than 24 first-second year credits earned by the student are recognized
- in the second year of a program if more than 24 first-second year credits earned by the student are recognized

Credits are earned if the student passes the exam/test and the mark is regularly recorded at the student's University in due time for recognition.

Admitted students can ask for the recognition of the exams passed at the other University by indicating in an *ad hoc* form the correspondence between the exams they passed and the equivalent Bocconi exams. If marks are not expressed out of 30, they will be converted.

#### **Art. 9 Admission of graduates from undergraduate programs in Italian or foreign Universities**

Applicants already graduated from an undergraduate program in other Italian or foreign Universities are admitted, provided that they pass the selection procedure, in compliance with art. 6 of these Rules and Regulations.

Admitted students can ask for the recognition of the exams passed at the other University as per art. 8.

#### **Art. 10 Admission of Bocconi graduates**

Bocconi graduates are admitted irrespective of the number of places available for a program. The year of admission is determined as per art. 13, and no limit is set for the number of exams and credits which can be recognized.

#### **Art. 11 Exams passed in other Universities and credit recognition**

Without prejudice to international cooperation agreements, exams corresponding to a maximum of 90 credits can be recognized for the students and graduates from other universities admitted to Bocconi undergraduate programs on condition that not more than 8 academic years have elapsed since they passed these exams.

Exams passed at an earlier date can be recognized only if the corresponding credits are not considered obsolete.

Marks which are not expressed out of 30 will be converted.

#### **Art. 12 Competence**

Decisions about applications of students and graduates from foreign universities are made by the specially appointed Admission Committee, on behalf of the Study Program Committee. The Admission Committee ascertains whether the applicant's diploma satisfies the pre-requisite of secondary school education qualifications (as per art. 6) required for admission to a BSc program.

#### **Art. 13 Enrollment in the second year and subsequent years of the program**

Students enrolled in the first year of a program who have earned at least 24 credits within the deadlines stated in the annual Academic Planning are admitted to the second year. Non-admitted students can enroll as first-year repeating students.

Students enrolled in the second year are admitted to the third year, irrespective of the credits earned. They can enroll either in the subsequent year or as repeating students.

If a student has registered for repeating a year, he or she cannot sit the exams of the following years. A student who does not complete his or her studies by the third year of a program, will enroll as a "fuori corso" student (student enrolled beyond regular completion time); however, students can also enroll as repeating students.

#### **Art. 14 Changing BSc program and changing class group in a program held in two languages**

The number of students that can be allowed to change degree program and class group depends on the number of places available deliberated annually in the Academic Planning and on the respective deadlines, procedures and merit-based selection criteria.

Changing from a program held in Italian to a program held in English is subject to meeting the language prerequisites recognized as valid for enrollment (English level of at least B2).

#### ***Change of program***

As long as the number of students allowed is complied with, a change of a degree program is allowed:

- in the **same language** at the end of the first, second or third year. If the change is made between “**common-basis**” programs, it can also be requested at the end of the 3<sup>rd</sup> semester.
- if the **language is different**, at the end of the 1<sup>st</sup> year, regardless of whether the change is between common-basis programs or not.

Moreover, in special cases, changes between degree programs in different languages are allowed, at the end of the second and third year, as long as no more than around 60 CPUs of the new program’s study plan have been earned (regarding compulsory and elective academic activities) in.

Students can apply for a program change when enrolling in the following year (as regular, repeating or “fuori corso” students). The Program Director, acting on behalf of the Study Program Committee, will decide the year of admission depending on the credits already earned by the student.

***Change of class group in a degree program held in two languages***

For programs with teaching both in Italian and in English, changing class groups are unusual and can be accepted at the end of the first year. Exceptionally they may also be accepted at the end of the second and third years as long as no more than one third of the study program has been completed (around 60 CPUs). Students are required to complete a written request which will be evaluated by the Program Director.

**Art. 15 “Options” – Changes from a four-year degree program into a three-year program**

Changes from no longer offered four-year degree programs to the present three-year program are here defined as “options”.

Options are allowed as follows:

- admission to the first year of an offered program if less than 24 of the credits earned by a student are recognized as valid for admission
- admission to the second year of an offered program if 24 or more than 24 but less than 90 of the credits earned by a student are recognized as valid for admission
- admission to the third year if 90 or more than 90 of the credits earned by a student are recognized as valid for admission

**Art. 16 “Internal transfers” to three-year programs**

Changes from no longer offered three-year programs (MD 509/99) to offered three-year programs (MD 270/04) are here defined as “internal transfers”. Transfers are only allowed to programs for which teaching is activated.

Internal transfers are allowed under the following rules:

- admission to the first year if less than 24 of the credits earned by a student are recognized as valid for admission
- admission to the second year if 24 or more than 24 but less than 90 credits earned by a student are recognized as valid for admission
- admission to the third year if 90 or more than 90 of the credits earned by a student are recognized as valid for admission



### **Art. 17 Expiration**

The obsolescence assessment of the student's academic curriculum is carried out by the Program Director eight academic years after the end of the standard duration of a BSc program (three years). Periods of temporary interruption allowed according to Italian D.P.C.M. (Ministerial Decree) 09/04/2001 do not account for expiration.

If the academic curriculum is positively assessed, a new deadline for the completion of the program will be given, usually corresponding to the standard duration of the program.

### **Art. 18 "Characterizing and integrative" academic activities**

"Characterizing and integrative" activities, as per art.10 MD 270/2004, identify each BSc program. These activities include courses, set or to be chosen among a selection offered by the University. Study plans of all students enrolled in the same program are structured according to the same frame accredited by MIUR<sup>1</sup> ("ordinamento didattico").

Assessment methods for courses are specified in art. 25.

### **Art. 19 Academic activities customizing the study plan**

Part of the CPUs of the study plan refers to elective activities (typically courses with marks expressed out of 30, "other activities" with pass/fail assessments and internships or similar professional training activities).

Students customize their own study plan by choosing elective courses and "other activities" among courses offered by the University and other Universities, in compliance with the procedures laid down in the annual Academic Planning.

Assessment methods for elective courses are specified in art. 25. Assessment methods for "other activities" are the same as those for seminars, as per art. 20.

An internship or similar professional training activities (qualified working experiences and field projects) can replace an elective course. Internships and other similar experiences are governed under specific regulations and deliberated annually in the Academic Planning.

A "pass" is required for the awarding of CPU.

### **Art. 20 Seminars**

Study plans may include credit-bearing seminars.

Seminars are classified as "professional training activities" and are designed to develop students' soft skills or favor the acquaintance with different business environments.

Seminars include highly interactive class activities supervised by the instructor who may as well invite guest speakers; in addition, students are given individual / group assignments.

Assessment methods are duly described in the course profile (published on the website) and in the course syllabus (detailed session-by-session syllabus).

Students are given a pass or fail grade as the result of the assessment of their preparation through in progress testing (available to attending students only) or final assessment only (available to non-attending students, but open to attending students as well).

Seminars' final grades are not included in the GPA.

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<sup>1</sup> Italian Ministry of Higher Education

## **Art. 21 Foreign languages**

Students must choose one/two EU languages among those taught at the University (one language other than English for the Mathematical and Computing Sciences for Artificial Intelligence program; two languages for other degree programs).

Guidelines for the choice of foreign languages are stated in the annual Academic Planning, in compliance with the following criteria:

- the choice of a foreign language is based on the language in which a program is taught
- the choice of a foreign language depends on the students' mother tongue

As a general rule, students who are non-native speakers of English are required to have a good command of English, and students who are non-native speakers of Italian are required to have a good command of Italian.

The proficiency to be achieved in foreign languages is stated in the annual Academic Planning and is based on the Common European Framework of Reference (CEFR) levels.

Students will be awarded the credits related to foreign languages after passing one of the international exams or tests recognized by the University, as per annual Academic Planning, or after passing the University's curricular exam.

Credits can be gained with an international certification obtained before enrolling, provided that the validity of the certificate has not expired.

The grade obtained in the international exam or test is converted into a mark out of 30, recorded in the student's academic transcript and it is included in the GPA.

In the annual Academic Planning the University decides which international certificates are held as valid, gives the conversion criteria of grades not expressed out of 30 and sets expiration deadlines.

## **Art. 22 IT competence**

In order to graduate, students must have IT competence enabling them to successfully pursue their careers or continue their studies.

In order to sit the Bocconi IT examination students must hold a certificate of computer skills (recognized qualifications are listed in the annual Academic Planning).

## **Art. 23 Final paper**

The final paper is a theory-based or practice-based paper deriving from study and/or work experience (e.g. internship); it is written under the supervision of a Tutor.

The final paper is graded by a special Board composed of at least three members, and students are not required to defend their paper.

The final degree grade is based on GPA, on the grade awarded to the final paper and on the students' overall academic performance (such as performance during stays abroad and internships) as per subsequent articles.

If the undergraduate program is taught in English, the final paper must be written in English.

Appropriate tools can be used by the University to detect plagiarism.

## **Art. 24 Class attendance**

Class attendance is strongly recommended for all academic activities.

Course Directors can use different assessment methods to test knowledge and skills of attending and non-attending students.

The Course Director will highlight and describe the different assessment methods (if any) in the course profile and course syllabus and he/she is responsible for checking attendance.

## **Art. 25 Assessment methods for courses**

### ***Procedures***

Courses call for test activities aimed at assessing students' preparation and at awarding CPU as a result.

Courses can be divided into modules, in which case CPU are recorded in the academic curriculum after all modules have been successfully completed (in any case, all modules shall be considered when preparing any rankings, including those for admission to study abroad).

Testing takes place during the exam periods stated in the annual Academic Planning. At least one exam period is planned at the end of each semester.

Assessment methods must be designed so that the student's personal output can be discerned and must guarantee third party check.

When the same course is held in different class groups, examinations take place following the same procedures in all involved class groups.

Students' preparation is assessed through in progress testing (available to attending students only) or final assessment only (available to non-attending students, but open to attending students as well).

The mark – weighted on the basis of the course CPU – is included in the GPA.

Assessment methods for each course are described both in the course profile (published on the website) and in the course syllabus (detailed session-by-session syllabus).

In progress testing is carried out in different moments and, possibly, with more than one assessment method, such as (depending on the course and with different weight duly described in the syllabus) partial written exams, oral exams, assessment of active class participation, individual / group assignments (these assignments may result in a written output only or in an oral presentation).

The general exam can be either written and/or oral.

As far as partial and general exams are concerned:

During an exam, a student can decide to leave the room (“withdraw”), in which case the exam is not valid and the student is registered as absent.

In a written exam, the student will hand in the exam paper and write “withdrawn” on it, at any time within the limit set by the faculty member.

A student who has handed in his or her exam paper without writing “withdrawn” must accept the mark he or she will be given.

In an oral exam, the student can withdraw at any time before the examiner has officially announced the mark.

The Course Director decides whether to release or not previous exams' questions and answers.

### ***Grading***

Courses are given marks expressed out of 30, resulting from the assessment of the different elements that contribute to the evaluation of students' preparation (general or partial exams, active class participation, individual and/or group assignments). The course syllabus clearly states how the final mark is determined.

Marks are recorded in the students' academic curricula. A mark from 0 to 17/30 is a fail and the student must retake the exam.

A mark from 18 to 30/30 is a pass, and CPUs are awarded. A Board of Examiners can decide to assign a 30 "cum laude" mark.

Students are not allowed to repeat an exam they have passed.

## **Art. 26 Other details about testing: chronological order of exams, exams and mobility among programs, extra academic activities, GPA, access to data**

### ***Chronological Order of Exams***

A chronological order of exams/modules may be set (and enforced) in the Annual Academic Planning and published on the website (Current Students area). When enforced, the observance of the chronological order is checked at the end of each exam period and the exam is annulled in case of violation of the rule.

If no chronological order is set, it is advisable to observe the order (year, semester) stated in the program requirements.

### ***Exams and mobility among programs***

In the case of review of program choice, change of program, options and internal transfers, students can sit the exams included in the study plan of the previous years in the first exam period after their new admission.

### ***Extra academic activities***

Extra academic activities can be included in the personal study plan. CPUs are assigned on top of the 180 standard CPUs. A maximum of 3 extra activities can be included in the study plan.

Extra academic activities can be added in the study plan only after all the CPUs of the first, second and third semesters have been gained.

Academic activities can be chosen among elective courses, foreign languages, internship and, exceptionally, seminars.

When moving to another program, students may include as extra activities compulsory courses taken in the program of origin without correspondence in the program of destination.

### ***Calculating GPA***

The grade point average (GPA) is the weighted arithmetic mean of all marks expressed out of 30. The weights assigned to marks are the courses' CPUs.

The mark 30 "cum laude" counts as 31/30.

When the results of some academic activities are not expressed with a mark, these results will not be used to calculate a student's GPA, but can be taken into consideration when assigning the final grade.

The marks of extra activities, if any, will be used to calculate students' GPAs. If extra activities are more than two, the two best marks will be used and, if both marks are the same, the activity giving the most credits will be used.

When exams passed in other universities (by Bocconi outgoing students or by other universities incoming students) are recognized and included in a Bocconi study plan, the "original" mark is

recorded in the students' transcripts. Marks which are not expressed out of 30 will be converted according to specific conversion tables.

### ***Personal Data***

Academic transcripts can be accessed in compliance with Italian Law 241/90, as well as in compliance with European Regulation (679/2016) and any other in force law and regulation about privacy. Parents can have access to these documents.

### ***More on Personal Data***

Students who wish to apply for university programs or to enter the labor market can ask the University to disclose their marks and other non-sensitive personal data, also to private parties, online and abroad. Data will be treated confidentially and will only be used for the purposes specified.

The University can process students' personal data and make them available to other legal entities (the Egea bookshop; the Javotte Bocconi Institute - "Istituto Javotte Bocconi"; Bocconi Sport team) in order to pursue its institutional ends (in relationship with Bocconi institutional activities) and in order to fulfill legal obligations. Data can be processed for research and statistical purposes, to give scholarships and other financial aid, to issue the students' ID cards, to send Bocconi newsletters and journals, to send information and promote Bocconi fundraising campaigns.

## **Art. 27 Final paper: Submission and Assessment**

### ***Submission***

In order to submit the final paper to the Graduation Board (art. 26.5 of the University Academic Regulations), a student must have earned the credits required in the program, excluding the credits which will be assigned to the final paper.

### ***Assessment***

The final grade is expressed out of 110.

A student completes the program when he or she obtains a total grade of at least 66/110 and his or her final paper is assessed favorably.

The final assessment is based on the students' marks and performance in the program academic activities, in particular on the GPA of the marks expressed out of 30 and then converted into a grade expressed out of 110.

Other points can be added to complete the assessment:

- up to 4/110 can be added depending on the quality of the papers (in terms of content, analysis carried out and conclusions drawn)
- 1/110 can be added for internships and/or exchange programs

The Graduation Board can unanimously assign a grade of 110 *cum laude*, on the basis of criteria defined in the annual Academic Planning.

## **Art. 28 Recognition of exams and other academic activities abroad**

As far as one-semester study abroad programs are concerned, the Course Director, authorized by the Study Program Committee, can recognize exams and other academic activities done in foreign Universities *in toto* or in part (if some integration is required).

The following conditions must be observed:

- the exams must be previously recognized by the Course Director (not all exams are eligible for recognition; the list of the exams that must be passed at Bocconi University is included in the annual Academic Planning)
- a maximum of five courses can be recognized for students who took part in an Exchange or Free Mover semester program

Under special circumstances electives which are not taught at Bocconi University can be recognized; however, recognition must be previously authorized by the Program Director or his/her delegate.

As far as two-semester study abroad programs are concerned:

- The Program Director or his/her delegate are in charge of recognizing exams and other academic activities done in foreign Universities. Academic activities can either be recognized in toto or not recognized
- All third-year courses and seminars are eligible for recognition.

Curricular foreign languages can be recognized as well: international certifications can be recognized provided that they are included in the list of the Annual Academic Planning; moreover, exams sat in a foreign University can be recognized (upon approval by the language coordinator of the Bocconi Language Centre).

CPUs referring to foreign languages are included in the maximum number of 5 exams allowed for exchange programs.

Finally, internships and other similar professional training activities can be recognized as per the procedure outlined in art 19.

### **Art. 29 Code of Conduct**

All students must fulfill all the requirements deriving from their study plan and are expected to conduct themselves in a manner that does not bring the University into disrepute. They must observe the rules laid down by Bocconi University on academic activities, exam procedures, and final paper preparation; they must behave in a respectful manner towards others so that they do not feel that they are discriminated or harassed; they must respect the University buildings, spaces and facilities.

Only audio recording of academic activities is permitted. Video recording is only allowed for specific academic or promotional initiatives of the University.

Teaching materials are the exclusive property of Bocconi University. Students are allowed to use them only for the teaching and learning purposes connected to the Program and exclusively within the context of the educational activities related to the Program itself. Teaching materials cannot be reproduced, disseminated, published, transferred to third parties, in whole or in part, by any tools or methods, for any reason, outside the purposes and context indicated above. In the event of violation of these restrictions, Bocconi University reserves the right to take action against the student in order to protect its rights.

Inappropriate behavior and serious offences interfering with the University functioning or causing damage to the University activities or image shall be sanctioned, and further sanctions can be imposed by law.

Students must comply with the rules of conduct adopted by the University, including rules regarding exams.

Further details on the code of conduct are included in the Code of Academic Integrity for Bocconi Students which is published on the website.

### **Art. 30 Cooperation agreements with other universities or higher education Institutions**

Art. 31 - 33 cover national and international cooperation agreements between Bocconi University and other Universities or higher education Institutions.

Agreements aim to:

- offer an ad hoc program characterized by one single study plan (jointly designed by all the partners) which results in a multiple or joint degree
- offer programs characterized by two study plans (one for each partner) that overlap in part and that result in a multiple (double) degree

### **Art. 31 Memorandum of Understanding**

A memorandum of understanding (MoU) is needed to finalize the agreement of cooperation. The memorandum must be signed by a legal representative of Bocconi University, as stated by the competent bodies and by the other legal party and must be signed by the deadlines which allow the agreement to have legal effect starting from the academic year agreed upon.

### **Art. 32 MoU specifics**

MoUs must include the following elements:

- characteristics of the Institutions as parts of their countries' higher education systems
- both parties' obligations
- duration of the agreement and renewal conditions
- target students

When the agreement involves the award of a multiple or a joint degree, a MoU must include:

- the qualifications awarded by Bocconi University (degree) and by the partner Institution/s
- the programs involved at Bocconi University and at the other Institution
- the study plan(s); when two study plans are involved (Bocconi University and partner University's study plan), the academic activities that overlap must be listed
- graduation rules
- admission criteria
- administrative aspects, such as payment of tuition fees and other local tax, if any, and aspects related to the award of the degree.

Cooperation agreements, names of partner Institutions and resulting degrees for BSc Programs are specified in the Annual Academic Planning.

### **Art. 33 Further MoUs specifics**

MoUs can include *ad hoc* rules regarding selection procedures and can also state *ad hoc* requirements for the study plan.

### **Art. 34 Annual Academic Planning**

The competent University bodies, the Academic Council, the Faculty Council, the School Council monitor the effectiveness of the University's Rules and Regulations, supplement and amend them when deemed appropriate, and disclose any amendments thereto.

The annual Academic Planning includes resolutions on various issues, among others:

1. proposals to the University Board about admission procedures and the number of places available;
2. programs to be offered;
3. academic calendars;
4. structure and organization of academic activities;
5. assessment of academic activities and students' performance.

In exceptional and unforeseen circumstances (eg. a health emergency), the School Deans may decide on matters concerning Annual Academic Planning, except for points 1 and 2 above, subject to notification to or ratification by the competent University body.

These resolutions are valid for the academic year when they are adopted and for the subsequent academic years, unless they are supplemented and/or amended.

### **Art. 35 Information for students**

Relevant information about:

- these Rules and Regulations;
  - General University Rules and University Academic Regulations
- is included and clarified in the Students' Guides.

### **Art. 36 Formal approval of rules and regulations and transitional rules**

These Rules and Regulations, formally approved by the Undergraduate School Council in compliance with the procedures laid down in the Statute, are issued by Rectoral Decree and come into force on the date stated in the Rectoral Decree itself.



*This document is issued in English and in Italian Language, for any doubts, questions of interpretation, conflicts of any kind the Italian version shall prevail.*

**ANNEX A**  
**DETAILED PROGRAM REQUIREMENTS**

**Economia aziendale e management [Business Administration and Management] (CLEAM)**

*Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)*

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Economia aziendale e gestione delle imprese	6	SECS-P/07	A az
	4	SECS-P/08	B az
Matematica - Modulo 1 (Generale)	8	SECS-S/06	A sm
Economia - Modulo 1 (Microeconomia)	9	SECS-P/01	B ec
Seminario di Critical Thinking	1		F
Matematica - Modulo 2 (Applicata)	7	SECS-S/06	B sm
Economia - Modulo 2 (Macroeconomia)	8	SECS-P/01	A ec
Diritto - Modulo 1 (Privato)	6	IUS/01	A gi
Computer science	6		F
Lingua Inglese	4		E
<b>TOT 1ST YEAR</b>	<b>59</b>		
<b>SECOND YEAR</b>			
Statistica	8	SECS-S/01	B sm
Storia economica	6	SECS-P/12	A ec
Bilancio - Modulo 1	5	SECS-P/07	A az
Sistema finanziario	6	SECS-P/11	B az
Diritto - Modulo 2 (Pubblico)	6	IUS/05	B gi
Bilancio - Modulo 2	5	SECS-P/07	A az
Programmazione e controllo	6	SECS-P/07	B az
Fondamenti di organizzazione	6	SECS-P/10	B az
Economia e management delle amministrazioni pubbliche	6	SECS-P/07	C
Seminari per lo sviluppo delle competenze manageriali e di leadership	1		F
Seminari di Business Ethics e responsabilità sociale	1		F
seconda lingua straniera	4		F
<b>TOT 2ND YEAR</b>	<b>60</b>		
<b>THIRD YEAR</b>			
Strategia competitiva	7	SECS-P/07	B az
Gestione della tecnologia, dell'innovazione e delle operations	7	SECS-P/08	B az
Finanza aziendale	6	SECS-P/09	C
Marketing	7	SECS-P/08	B az
Diritto commerciale	7	IUS/04	B gi
Scienza delle finanze	6	SECS-P/03	C
1 opzionale	6		D
1 opzionale	6		D
1 opzionale o stage in alternativa	6		D/F
lavoro finale	3		E
<b>TOT 3RD YEAR</b>	<b>61</b>		
<b>TOTAL</b>	<b>180</b>		

**Economia e finanza [Economics and Finance] (CLEF)***Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)*

Academic activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Economia aziendale e gestione delle imprese	6	SECS-P/07	A az
	4	SECS-P/08	B az
Matematica - Modulo 1 (Generale)	8	SECS-S/06	A sm
Economia - Modulo 1 (Microeconomia)	9	SECS-P/01	B ec
Matematica - Modulo 2 (Applicata)	7	SECS-S/06	B sm
Seminario di Critical Thinking	1		F
Economia - Modulo 2 (Macroeconomia)	8	SECS-P/01	A ec
Diritto - Modulo 1 (Privato)	6	IUS/01	A gi
Computer science	6		F
Lingua Inglese	4		E
<b>TOT 1ST YEAR</b>	<b>59</b>		
<b>SECOND YEAR</b>			
Statistica	8	SECS-S/01	B sm
Storia economica	6	SECS-P/12	A ec
Bilancio - Modulo 1	5	SECS-P/07	A az
Sistema finanziario	6	SECS-P/11	B az
Diritto - Modulo 2 (Pubblico)	6	IUS/05	B gi
Bilancio - Modulo 2	5	SECS-P/07	A az
Investimenti finanziari	8	SECS-P/11	B az
Metodi quantitativi per la finanza	4	SECS-S/01	C
	4	SECS-S/06	C
Scienza delle finanze	6	SECS-P/03	C
Seminari per lo sviluppo delle competenze manageriali e di leadership	1		F
seconda lingua straniera	4		F
<b>TOT 2ND YEAR</b>	<b>63</b>		
<b>THIRD YEAR</b>			
Monetary economics	8	SECS-P/01	B ec
Financial statement analysis	6	SECS-P/07	B az
Corporate finance	8	SECS-P/09	B az
Diritto commerciale	7	IUS/04	B gi
Economia e gestione delle istituzioni finanziarie	8	SECS-P/11	C
1 opzionale	6		D
1 opzionale	6		D
1 opzionale o stage in alternativa	6		D/F
lavoro finale	3		E
<b>TOT 3RD YEAR</b>	<b>58</b>		
<b>TOTAL</b>	<b>180</b>		

**Economia e management per arte, cultura e comunicazione - Economics and Management for Arts, Culture and Communication (CLEACC)**

*Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)*

Academic Activities		No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>				
Economia aziendale e delle istituzioni culturali	Management of cultural companies and institutions	10	SECS-P/07	A az
Matematica generale e finanziaria	Mathematics	6	SECS-S/06	A sm
		3	SECS-S/06	B sm
Estetica	Philosophy of art	6	M-FIL/04	C
Diritto - Modulo 1 (Privato)	Law - Module 1 (Private law)	6	IUS/01	A gi
Economia - Modulo 1 (Microeconomia)	Economics - Module 1 (Microeconomics)	7	SECS-P/01	A ec
Metodo, critica e ricerca nelle discipline artistiche - I	Critical approaches to the arts - I	6	L-ART/03	C
Storia economica e del pensiero economico	Economic history and history of economic thought	7	SECS-P/12	A ec
Computer science	Computer science	6		F
Lingua Inglese	First foreign language	4		E
<b>TOT 1ST YEAR</b>		<b>61</b>		
<b>SECOND YEAR</b>				
Economia - Modulo 2 (Macroeconomia)	Economics - Module 2 (Macroeconomics)	7	SECS-P/01	B ec
Statistica	Statistics	8	SECS-S/01	B sm
Metodo, critica e ricerca nelle discipline artistiche - II - Modulo 1	Critical approaches to the arts - II - Module 1	6		D
Bilancio - Modulo 1	Accounting and financial statement analysis - Module 1	5	SECS-P/07	A az
Antropologia culturale e dello sviluppo	Cultural anthropology	6	M-DEA/01	C
Bilancio - Modulo 2	Accounting and financial statement analysis - Module 2	5	SECS-P/07	A az
Fondamenti di organizzazione	Fundamentals of organization	6	SECS-P/10	B az
Metodo, critica e ricerca nelle discipline artistiche - II - Modulo 2	Critical approaches to the arts - II - Module 2	6		D
Diritto - Modulo 2 (Pubblico)	Law - Module 2 (Public law)	6	IUS/05	B gi
Seminari per lo sviluppo delle competenze manageriali e di leadership	Leadership and managerial skills seminar	2		F
seconda lingua straniera	Second foreign language	4		F
<b>TOT 2ND YEAR</b>		<b>61</b>		
<b>THIRD YEAR</b>				
Programmazione e controllo	Managerial accounting	6	SECS-P/07	B az
Management of public and not for profit organizations	Management of public and not for profit organizations	6	SECS-P/07	B az
Marketing nei settori creativi	Marketing in creative industries	8	SECS-P/08	B az
Competitive strategies in creative industries	Competitive strategies in creative industries	7	SECS-P/07	B az
Diritto commerciale	Company and business law	6	IUS/04	B gi
Finanza - Modulo 1 (Finanza aziendale)	Finance - Module 1 (Corporate finance)	5	SECS-P/09	B az

Finanza - Modulo 2 (Sistema finanziario)	Finance - Module 2 (Financial markets and institutions)	5	SECS-P/11	B az
Scienza delle finanze	Public finance	6	SECS-P/03	B ec
Laboratorio o stage o insegnamento opzionale superato all'estero	Workshop/internship/elective course taken abroad	6		D
lavoro finale	Final paper	3		E
<b>TOT 3RD YEAR</b>		<b>58</b>		
	TOTAL	<b>180</b>		

## Economic and Social Sciences (BESS)

Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Mathematics - Module 1 (Theory and methods)	9	SECS-S/06	A sm
Fundamentals of management	7	SECS-P/07	B az
Foundations of economics - Module 1 (Microeconomics)	7	SECS-P/01	A ec
Logic and methodology of social sciences	6	M-FIL/02	C
Mathematics - Module 2 (Applied mathematics)	9	SECS-S/06	B sm
Foundations of economics - Module 2 (Macroeconomics)	7	SECS-P/01	A ec
Statistics - Module 1 (Theory and methods)	7	SECS-S/01	A sm
Computer science	6		F
First foreign language	4		E
<b>TOT 1ST YEAR</b>	<b>62</b>		
<b>SECOND YEAR</b>			
Statistics - Module 2 (Applied statistics)	7	SECS-S/01	B sm
Strategic decision making and markets	8	SECS-P/01	B ec
Macroeconomics and economic policy	6	SECS-P/01	B ec
	2	SECS-P/03	B ec
Economic history	6	SECS-P/12	A ec
Incentives design and policy	5	SECS-P/01	B ec
	2	SECS-P/03	B ec
Private and business law	4	IUS/01	A gi
	2	IUS/04	A gi
	2	IUS/05	B gi
Econometrics	7	SECS-P/05	B ec
Mind and society: intro to cognitive sciences	3	M-FIL/02	C
	3	M-PSI/01	C
Second foreign language	4		F
<b>TOT 2ND YEAR</b>	<b>61</b>		
<b>THIRD YEAR</b>			
Empirical research methods and data analysis	7	SECS-P/01	B ec
Organizational behavior and social psychology	8	SECS-P/08	A az
Sociology	7	SPS/07	C
1 elective	6		D
Culture, institutions and development or any another elective course belonging to SECS-P/01 taken abroad	6	SECS-P/01	B ec
Law and public policy	7	IUS/09	B gi
International economics and finance	7	SECS-P/01	B ec
1 elective or internship	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>57</b>		
<b>TOTAL</b>	<b>180</b>		

## International Economics and Management (BIEM)

Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Management	6	SECS-P/07	A az
	2	SECS-P/08	A az
	2	SECS-P/08	B az
Mathematics - Module 1 (General)	8	SECS-S/06	A sm
Economics - Module 1 (Microeconomics)	9	SECS-P/01	B ec
Critical thinking seminar	1		F
Mathematics - Module 2 (Applied)	7	SECS-S/06	B sm
Economics - Module 2 (Macroeconomics)	3	SECS-P/01	A ec
	5	SECS-P/01	B ec
Introduction to the legal system - Module 1	6	IUS/01	A gi
Computer science	6		F
First foreign language	4		E
<b>TOT 1ST YEAR</b>	<b>59</b>		
<b>SECOND YEAR</b>			
Statistics	8	SECS-S/01	B sm
Economic history	6	SECS-P/12	A ec
Accounting and financial statement analysis - Module 1	5	SECS-P/07	B az
Financial markets and institutions	6	SECS-P/11	B az
Introduction to the legal system - Module 2	6	IUS/05	B gi
Accounting and financial statement analysis - Module 2	5	SECS-P/07	B az
European economic policy	6	SECS-P/02	B ec
International macroeconomics	6	SECS-P/01	B ec
Corporate finance	6	SECS-P/09	B az
Leadership and managerial skills seminar	1		F
Second foreign language	4		F
<b>TOT 2ND YEAR</b>	<b>59</b>		
<b>THIRD YEAR</b>			
Applications for management	4	SECS-P/06	B ec
	2	SECS-P/07	B az
CSR & Ethics in Business (seminar)	2		F
4 major courses from among:	24		C
Organization theory		SECS-P/10	
Marketing		SECS-P/08	
Public management		SECS-P/07	
Technology and innovation management		SECS-P/08	
Managerial accounting		SECS-P/07	
Globalization, societies and institutions (seminar)	2		F
Business strategy	6	SECS-P/07	B az
Comparative business and European law	4	IUS/05	B gi
	3	IUS/14	B gi
1 elective or internship	6		D
1 elective	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>62</b>		
<b>TOTAL</b>	<b>180</b>		

## International Economics and Finance (BIEF)

Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Management	6	SECS-P/07	A az
	2	SECS-P/08	A az
	2	SECS-P/08	B az
Mathematics - Module 1 (General)	8	SECS-S/06	A sm
Economics - Module 1 (Microeconomics)	9	SECS-P/01	B ec
Critical thinking seminar	1		F
Mathematics - Module 2 (Applied)	7	SECS-S/06	B sm
Economics - Module 2 (Macroeconomics)	3	SECS-P/01	A ec
	5	SECS-P/01	B ec
Introduction to the legal system - Module 1	6	IUS/01	A gi
Computer science	6		F
First foreign language	4		E
<b>TOT 1ST YEAR</b>	<b>59</b>		
<b>SECOND YEAR</b>			
Statistics	8	SECS-S/01	B sm
Economic history	6	SECS-P/12	A ec
Accounting and financial statement analysis - Module 1	5	SECS-P/07	B az
Financial markets and institutions	6	SECS-P/11	B az
Introduction to the legal system - Module 2	6	IUS/09	B gi
Accounting and financial statement analysis - Module 2	5	SECS-P/07	B az
Markets, organizations, and incentives (E.)	6	SECS-P/01	B ec
International economics (E.)	6	SECS-P/01	B ec
International and monetary economics (F.)	6	SECS-P/02	B ec
Financial economics (F.)	6	SECS-P/01	B ec
Corporate finance	6	SECS-P/09	B az
Leadership and managerial skills seminar	1		F
Second foreign language	4		F
<b>TOT 2ND YEAR</b>	<b>59</b>		
<b>THIRD YEAR</b>			
Empirical methods for economics (Introduction to econometrics) (E.)	6	SECS - P/05	B ec
Empirical methods for finance (Introduction to econometrics for finance) (F.)	6	SECS - P/05	B ec
CSR & Ethics in business (seminar)	2		F
4 major courses *	24		C
Macroeconomics and the world economy (E.)	6	SECS-P/01	B ec
Business strategy (F.)	6	SECS-P/07	B az
Globalization, societies and institutions (seminar)	2		F
Comparative business and European law	4	IUS/05	B gi
	3	IUS/14	B gi
1 elective or internship	6		D
1 elective	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>62</b>		
<b>TOTAL</b>	<b>180</b>		



**\*Major in Economics – 4 courses to be chosen from among:**

The economics of imperfect labour market	6	SECS-P/02
Economics of institutions and culture	6	SECS-P/02
Public finance	6	SECS-P/03
European economic policy	6	SECS-P/02
Development economics	6	SECS-P/01
Monetary theory and policy	6	SECS-P/01

**\*Major in Finance – 4 courses to be chosen from among:**

Management of financial institutions	6	SECS-P/11
Corporate valuation	6	SECS-P/09
International banking	6	SECS-P/11
Introduction to options and futures	3	SECS-S/06
	3	SECS-P/11
Principles of international finance	3	SECS-P/09
	3	SECS-P/11

## International Politics and Government (BIG)

*Note.* The study plan of BSc in International Politics and Government provides that students must spend one term abroad (compulsory Exchange Program).

*Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)*

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Political science and comparative politics	8	SPS/04	B pol
Quantitative methods for social sciences (Module I - Mathematics)	6	SECS-S/01	A in
Law (Module I - Comparative public law)	6	IUS/21	B giu
Introduction to economics (Module I - Microeconomics)	8	SECS-P/01	A in
Introduction to economics (Module II - Macroeconomics)	6	SECS-P/01	A in
Political philosophy	6	SPS/01	B pol
Quantitative methods for social sciences (Module II - Statistics)	6	SECS-S/01	A in
Marketing research skills for public policy	3	SECS-P/08	F
Computer science	6		F
First language	5		A lin
<b>TOT 1ST YEAR</b>	<b>60</b>		
<b>SECOND YEAR</b>			
Management of government organizations	8	SECS-P/07	C
International relations	8	SPS/04	A in
History (Module I - Global history)	6	M-STO/04	B sto
Public economics	8	SECS-P/03	B ec
Negotiation skills	3	SECS-P/10	F
Policy evaluation	6	SECS-P/06	B ec
	2	SECS-S/01	A in
Law (Module II - International and European law)	6	IUS/13	B giu
Economics and politics of the European Union	3	SPS/04	C
	3	SECS-P/01	C
Political economics	8	SECS-P/01	B ec
Second language	5		A lin
<b>TOT 2ND YEAR</b>	<b>66</b>		
<b>THIRD YEAR</b>			
Sociology	7	SPS/07	B soc
Public governance	4	SECS-P/07	C
	4	SPS/04	B pol
3 electives	18		D
History (Module II - History of political institutions)	6	M-STO/04	B sto
Media, political elites and the public	3	SPS/04	B pol
	3	SPS/08	B soc
1 elective or internship	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>54</b>		
<b>TOTAL</b>	<b>180</b>		

## Economics, Management and Computer Science (BEMACS)

Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Mathematics and statistics - Module 1 (Mathematics)	8	SECS-S/06	A sm
Principles of management	8	SECS-P/07	A az
Microeconomics	8	SECS-P/01	A ec
Fundamentals of computer science	8	INF/01	C
Mathematics and statistics - Module 2 (Statistics)	8	SECS-S/01	A sm
Accounting	8	SECS-P/07	B az
Fundamentals of information technology law	6	IUS/09	A gi
	2	IUS/09	B gi
First foreign language	4		E
<b>TOT 1ST YEAR</b>	<b>60</b>		
<b>SECOND YEAR</b>			
Advanced mathematics and statistics - Module 1 (Applied mathematics)	7	SECS-S/06	B sm
Macroeconomics	8	SECS-P/01	B ec
Computer programming	7	INF/01	C
European and international information law and data economy	7	IUS/05	B gi
Technological innovation seminars I	1		F
Advanced mathematics and statistics - Module 2 (Advanced statistical methods)	7	SECS-S/01	B sm
Machine learning	6	INF/01	C
Econometrics	8	SECS-P/05	B ec
Principles of finance	7	SECS-P/11	B az
Technological innovation seminars II	1		F
Second foreign language	4		F
<b>TOT 2ND YEAR</b>	<b>63</b>		
<b>THIRD YEAR</b>			
Big data and databases	6	SECS-S/01	B sm
Computational microeconomics - Module 1 (Game theory)	8	SECS-P/01	B ec
Marketing analytics	8	SECS-P/08	B az
1 elective	6		D
Computational microeconomics - Module 2 (Mechanism design)	8	SECS-P/01	B ec
Information systems management	3	SECS-P/10	C
	3	INF/01	C
1 elective	6		D
1 elective or internship	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>57</b>		
<b>TOTAL</b>	<b>180</b>		

## Mathematical and Computing Sciences for Artificial Intelligence (BAI)

Academic activities by year, CPU, typology, academic field and disciplinary field (as per DM 270/2004)

Academic Activities	No. of credits	Disciplinary Fields	Typology and Academic field (ministerial code)
<b>FIRST YEAR</b>			
Foundations of Economic Sciences	8	SECS-P/01	C
Computer Science - Module 1 (Introduction to Computer Science and Programming)	8	INF/01	A inf
Mathematical Analysis - Module 1	8	MAT/05	A mat
Algebra and Geometry	7	MAT/02	A mat
Foundations of Physics I	8	FIS/02	A fis
Computer Science - Module 2 (Computing Theory and Algorithms)	8	INF/01	A inf
Probability	8	MAT/06	A mat
Mathematical Analysis - Module 2	7	MAT/05	A mat
<b>TOT 1ST YEAR</b>	<b>62</b>		
<b>SECOND YEAR</b>			
Foundations of Physics II	8	FIS/02	A fis
Decision Theory and Human Behaviour	4	SECS-S/06	B mod
	4	MAT/09	B mod
Mathematical Statistics	2	SECS-S/01	B mod
	6	MAT/06	B mod
Advanced Analysis and Optimization - Module 1	5	MAT/05	B teo
Advanced Programming and Optimization Algorithms	8	INF/01	A inf
Mathematical Modelling in Machine Learning	4	FIS/02	B mod
	4	MAT/06	B mod
Advanced Analysis and Optimization - Module 2	5	MAT/05	B teo
Digital Ethics seminar	1		F
Behavioural skills seminar	1		F
AI Lab	1		F
Foreign language	4		F
<b>TOT 2ND YEAR</b>	<b>57</b>		
<b>THIRD YEAR</b>			
Statistical and Quantum Physics	8	FIS/02	A fis
Game Theory and Mechanism Design	8	SECS-P/01	C
Mathematical Modelling for Finance	4	SECS-S/06	B mod
	4	MAT/06	B mod
1 elective or internship	6		D
Stochastic Processes and Simulation in Natural Sciences	4	FIS/02	B mod
	4	MAT/06	B mod
Machine Learning and Artificial Intelligence	8	INF/01	B mod
Mathematical Modelling for Neuroscience	4	MAT/07	B mod
	2	BIO/09	C
1 elective	6		D
Final paper	3		E
<b>TOT 3RD YEAR</b>	<b>61</b>		
<b>TOTAL</b>	<b>180</b>		