

Didactic Regulation of the Minor Course in "Space Economy" **Università degli Studi di Napoli Federico II** **Regulation in force in Academic Year 2025/2026**

Article 1. Object

This Regulation disciplines the Minor Course in "Space Economy".

Article 2. Introduction of the Minor Course

The Minor Course in "Space Economy" stems from the growing interest and need of the national and international economic, productive, and institutional systems to train new professionals capable of identifying, understanding, and effectively managing high-tech business opportunities within the Space Economy. This aims to improve products, services, and processes in existing organizations and stimulate new entrepreneurial ventures. The educational goal of the Minor Course in "Space Economy" is to develop skills and knowledge to form professionals capable of integrating technical-scientific, legal-institutional, and managerial aspects within organizations operating in the Space Economy. These professionals will be able to drive technology transfer and capacity building actions, facilitating the use of advanced technologies in large and medium-small enterprises.

The innovative elements of the Minor Program also lie in its choice of an innovative learning strategy, based on the philosophy of "*learning by doing*," aiming to involve students in a training process that develops their skills through a dynamic learning model that combines traditional lectures with individual and group projects, allowing students to acquire skills through direct dialogue with academics and professionals.

Article 3. Educational Objectives of the Minor Course

The Minor Course in Space Economy, developed in collaboration with aerospace entities and companies, is a thematic course that enriches specialized (*vertical*) training with interdisciplinary (*horizontal*) skills.

Specifically, the educational objectives focus on transferring knowledge, skills, and tools to deepen technical, economic-financial, regulatory, organizational, and strategic aspects of businesses operating in the Space Economy supply chains.

The Minor Course includes both the acquisition of aerospace engineering-related knowledge and legal and managerial fundamentals applied to the Space Economy industries. Participants will have the opportunity to undertake internships in companies and organizations operating within the Space Economy.

The Minor Program is separate from the main Course of Study (CdS) and can be attended by students enrolled in certain Master's degrees at the University of Naples Federico II or other universities, following the admission criteria outlined in Article 5. Additionally, the Minor Course can be attended by professionals who wish to broaden their skillset.

Article 4. Coordinating Committee and Steering Committee

The Minor Course in Space Economy is linked to the Master's Degree (LM) in Aerospace Engineering (LM-20), the Master's Degree in Management Engineering (LM-31) within the Department of Industrial Engineering (DII), the Master's Degrees in Innovation and International Management and Business Economics (LM-77) within the Department of Economics, Management, and Institutions (DEMI). The Minor is supported by a Coordinating Committee composed of the Coordinators of the Educational Committees of the aforementioned Master's Degrees or their delegates. The functions of this Committee include:

- Coordinating educational activities.
- Periodically reviewing and revising the Minor's curriculum.
- Overseeing the general organization of the Minor, in collaboration with the promoting departments and the educational committees of the associated degree programs.
- Monitoring the quality assurance process through periodic evaluations and reporting results to the promoting departments and educational committees.

The Steering Committee consists of the Coordinators of the associated Master's Degrees and representatives from aerospace research centers and companies supporting the project. This committee provides general guidelines for the definition of educational activities, monitors their organization and development based on the dynamics of innovation and industrial policy at the national and international levels.

Article 5. Admission to the Minor Program

Admission to the Minor in Space Economy is open to:

- Students of the Master's Degree in Aerospace Engineering (LM-20) at University of Naples Federico II.
- Students of the Master's Degree in Management Engineering (LM-31) at University of Naples Federico II.
- Students of the Master's Degree in Innovation and International Management (LM-77) at University of Naples Federico II.
- Students of the Master's Degree in Business Administration (LM-77) at University of Naples Federico II.
- Students enrolled in LM-20, LM-31, LM-77 degree programs at other universities, or those already holding a Master's degree in these fields from any university.

The Departments proposing the Minor Course can establish a scheduled number of learners. In this case, the selection within each of the groups a), b), c), d) and e) will be carried out on the basis of criteria that will be indicated in the selection notice. The admission of students who have already graduated or are enrolled at other universities is arranged after verifying the compatibility of their previous academic career with the educational objectives of the Minor Course.

The competent Department and Student Secretariat for submitting applications and for all administrative matters will be indicated at the beginning of each academic year.

Articolo 6. Educational Activities

The Minor Course in Space Economy is an educational course distinct from the Master's Degree Courses, but which students can attend in partial overlap with their Master's degree studies.

The training course includes 27 CFU, divided into courses of 6 or 9 CFU for a total of 24 CFU, plus a module of 3 CFU, organized as follows:

Asymmetric alignment educational activities (6 CFU, TAF B o C)

For LM in Aerospace Engineering Students or other LM-20 Students, one course among the following:

- Creazione d'impresa e startup management (6CFU): SECS-P/08 (ECON-07/A)
- Enterprise risk management (6CFU): SECS-P/07 (ECON-06/A)

For Master's Degree in Innovation and International Management (LM-77) Students, Master's Degree in Business Economics (LM-77) Students and Master's Degree in Management Engineering (LM-31) Students, or other Students belonging from LM-77 e LM -31 Master's Degree Courses):

- Space Experiments (6CFU): ING-IND/06 (IIND-01/F)

These educational activities aim to "standardize" students' knowledge and allow them to profitably attend subsequent courses in an integrated manner. These are courses, worth 6 CFU, which must be followed at the beginning of the Minor Course.

Specialized educational activities (18 CFU)

Students must achieve 18 CFU among the following:

- Diritto internazionale e comunitario per l'economia (6CFU): IUS/14 (GIUR-10/A)
- Integrated reporting (6CFU): SECS-P/07 (ECON-06/A)
- Enterprise risk management (6CFU): SECS-P/07 (ECON-06/A)
- Blockchain Technology Management (6CFU): SECS-P/08 (ECON-07/A)
- Valutazione della performance aziendale (6CFU): SECS-P/07 (ECON-06/A)
- Corporate sustainability (6CFU): SECS-P08 (ECON-07/A)
- Space Mission Design (9CFU): SSD ING-IND/05 (IIND-01/E)
- Aerospace Program Management (9CFU): SSD ING-IND/05 (IIND-01/E)
- Sistemi di Controllo Manageriale (9CFU): SSD ING-IND/35 (IEGE-01/A)
- Strategia e Imprenditorialità (9CFU): SSD ING-IND/35 (IEGE-01/A)
- Gestione dei Processi e dei Progetti nelle Organizzazioni (9CFU): SSD ING-IND/35 (IEGE-01/A)

Mandatory module for all Minor Course's Students (3 CFU)

- Space Economy (3 CFU): IUS/04 (GIUR-02/A)

The Minor Course in Space Economy is achieved after acquiring 27 credits (CFU) of training activities and is attested by a University certification, also through the release of an Open Badge. For students in categories a), b), c) and d) of article 5, the Open Badge will highlight the extra-curricular activities carried out.

Pursuant to Art. 6, paragraph 5 of the University Teaching Regulations (RDA), for each CFU, the

amount of hours reserved for teaching activities is established in relation to the type of training activity and is reported in the Teaching Schedules.

Attending lessons is strongly recommended. The methods of carrying out, delivering and the language of delivery of the training activities are consistent with the Educational Ordinances and Regulations of each of the Courses that contribute to the training offer.

The verification of the skills and knowledge acquired is carried out through a profit exam, according to the methods regulated by the Art. 22 of the University Teaching Regulations and specified in the sheets for each course. Passing the exam determines the acquisition of the corresponding CFU.

Article 7. Integration of the Minor Course into Master's Degree Programs

Consistently with the Teaching Orders and Regulations of the Master's Degree Programs to which the Minor Course is associated (LM in Aerospace Engineering, LM in Management Engineering, LM in Innovation and International Management, LM in Business Economics), the courses included in the Minor path they are based as TAF B, C or F according to the following table:

Course Title	CdS (Department) associated to the Minor Course	SSD	CFU	TAF
Space Experiments	LM in Aerospace Engineering (DII)	ING-IND/06 (IIND-01/F)	6	B
Space Mission Design	LM in Aerospace Engineering (DII)	ING-IND/05 (IIND-01/E)	9	B
Aerospace Program Management	LM in Management Engineering (DII)	ING-IND/05 (IIND-01/E)	9	C
Sistemi di Controllo Manageriale	LM in Management Engineering (DII)	ING-IND/35 (IEGE-01/A)	9	B
Strategia e Imprenditorialità	LM in Management Engineering (DII)	ING-IND/35 (IEGE-01/A)	9	B
Gestione dei processi e dei progetti nelle organizzazioni	LM in Management Engineering (DII)	ING-IND/35 (IEGE-01/A)	9	B
Valutazione della performance aziendale	LM in Business Economics (DEMI)	SECS-P/07 (ECON-06/A)	6	C
Corporate sustainability	LM in Business Economics (DEMI)	SECS-P/08 (ECON-07/A)	6	C

Diritto internazionale e comunitario dell'economia	LM in Innovation and International Management (DEMI)	IUS/13 (GIUR-09/A)	6	C
Blockchain Technology Management	LM in Innovation and International Management (DEMI)	SECS/P-08 (ECON-07/A)	6	C
Enterprise Risk Management	LM in Innovation and International Management (DEMI)	SECS/P-07 (ECON-06/A)	6	C
Space Economy	LM in Business Economics (DEMI) e LM in Innovation and International Management (DEMI)	IUS/04 (GIUR-02/A)	3	F

The activities envisaged in the Minor Course can be recognized within the career of students enrolled in a Master's Degree course of the University, consistently with the Educational Ordinances and Regulations of each of those who contribute to the training offer; in any case at least 6 CFU completed in the Minor Course must be reserved for extra-curricular activities in addition to the CFU of the statutory plan for obtaining the qualification (pursuant to Art. 18, c. 1, of the RDA). Pursuant to Art. 18, c. 2, of the RDA, admission to the Minor Path gives rise to a career distinct from that of the Study Course in which the student is enrolled.

Article 8. Fees for Access to the Minor Program

Students enrolled in a Master's Degree at the university may access the Minor for free or, if approved by the University Council, by paying an annual fee set by the University Council. Other students must pay a fee to access the program, as set by the University Council.

Article 9. Duration of Studies

Students may acquire extracurricular credits during their Master's Degree studies or up to one year after graduation. In the first case, the extracurricular credits do not contribute to the formulation of the basic degree grade.

Graduates can complete the Minor Course within two years of enrollment.

Article 10. Publicity and Entry into Force

The Minor regulation is published on the websites of the involved master's degree programs well in advance of the start of educational activities.

This regulation enters into force in the Academic Year 2025/2026.