

## **Attachment DM 351/2022 Eligibility criteria**

### **Article 6 (Eligibility criteria for PhD course in programs dedicated to digital and environmental transactions)** Mission 4 Component 1 Investment 3.4 of the PNRR

1. The implementing bodies select the research projects recipients of the scholarships related to the PhD programs dedicated to digital and environmental transitions on the basis of the following criteria:
  - a. to cover subject areas and topics consistent with the digital transition and the ecological transition in accordance with the PNRR;
  - b. to provide for the implementation of the entire PhD programme, training, research and evaluation at the administrative and operational premises of the beneficiary university, without prejudice to study and research periods at companies and research centres and abroad, if foreseen, scheduled in line with the training and research activities planned at the sites of the proposer;
  - c. to provide for study and research periods in companies or research centres from a minimum of six (6) months to a maximum of twelve (12) months;
  - d. to provide for study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months;
  - e. to ensure that the PhD student can benefit from qualified and specific operational and scientific facilities for study and research activities;
  - f. to promote the exploitation of research results and to ensure the protection of intellectual property by ensuring open access to research results and related data to the public (for example, publications of original results of the scientific research, raw data and metadata, sources, digital graphic and image representations and scientific multimedia materials) in the shortest time and with the least possible number of limitations, according to the principles "Open science" and "FAIR Data";
  - g. to ensure compliance with the horizontal principles of the PNRR.

### **Article 7 (Eligibility criteria for PNRR PhD course)** Mission 4 Component 1 Investment 4.1 of the PNRR

1. The implementing bodies select the research projects recipients of the scholarships related to the PNRR PhD programmes on the basis of the following criteria:
  - a. to cover topics aimed at bringing a significant development of knowledge, including applied knowledge, in the PNRR areas of interest. For subject areas with a strong scientific-technological vocation, to promote interdisciplinarity, adherence to international networks and the intersectoriality in accordance with the PNRR;
  - b. to provide for the implementation of the entire PhD programme, training, research and evaluation at the administrative and operational premises of the beneficiary University, without prejudice to study and research periods at companies and research centres and abroad, if foreseen, scheduled in line with the training and research activities planned at the premises of the proposer;
  - c. to provide for study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months;
  - d. to ensure that the PhD student can benefit from qualified and specific operational and scientific facilities for study and research activities;
  - e. to promote the exploitation of research results and ensuring the protection of intellectual property by ensuring open access to research results and related data to the public (for example, publications of original results of the scientific research, raw data and metadata, sources, digital graphic and image

representations and scientific multimedia materials) in the shortest time and with the least possible number of limitations, according to the principles "Open science" and "FAIR Data";

f. to encourage the involvement of research centres in the definition of the training path also in the context of wider collaborations with the University;

g. to ensure compliance with the horizontal principles of the PNRR.

**Article 8 (Eligibility criteria for PhD courses for Public Administration)** Mission 4 Component 1 Investment 4.1 of the PNRR

1. The implementing bodies select the research projects recipients of scholarships in relation to the PhD courses for Public Administration on the basis of the following criteria:

a. preferably to cover the following CUN subject areas:

- Area 09 – *Ingegneria industriale e dell'informazione* (Industrial and Information Engineering)
- Area 11 - *Scienze storiche, filosofiche, pedagogiche e psicologiche* (Historical, Philosophical, Pedagogical and Psychological Sciences)
- Area 12 – *Scienze giuridiche* (Legal Sciences)
- Area 13 – *Scienze economiche e statistiche* (Economics and Statistics)
- Area 14 – *Scienze politiche e sociali* (Political and Social Sciences)

In particular, the PhD programme must be carried out in a multidisciplinary perspective, oriented towards applied research in public administrations and aimed at the integrated development of one or more of the following knowledge and skills:

- to rebuild and interpret the national and supranational legal framework for the single policy sector, including the secondary standards and the technical/applicative instructions that necessarily integrate the aforementioned regulatory framework (technical "specifications", application guidelines etc.);
- to participate in the government, organization and strategic direction of public administrations (both at national and regional and local level) through the implementation of innovative strategies strongly oriented towards users and the effectiveness of the actions put in place, as well as to the development of resources;
- to develop autonomous research paths useful to define and enhance effective management, leadership and communication skills for public organizations, with particular reference to the selection, management and development of human resources;
- to develop autonomous research paths useful to enhance new organizational skills, also in terms of organizational theories and psychology of organizations, able to interpret and reinterpret the continuous and rapid change of public administrations as complex systems, which act - in an adaptive way - in the environment that surrounds them;
- to enhance administrative capacity in relation to public policy formulation and design, developing diagnostic skills and taking responsibility for coordinating the policy cycle with regard to the phenomenology of possible problems in the phases of problem-solving and solution-finding, decision-making, implementation and evaluation;
- to support institutional design, inter alia, by testing innovative tools of different governance models in a comparative way between policy areas, between European, state and sub-state levels of government and between national cases; that take appropriate account of the opportunities offered by the new information and communication technologies (ICT);
- to facilitate the digital transition of public administrations, contributing to the redesign and simplification of organizational models, as well as to the processes of selection and adoption of enabling digital technologies and solutions, in order to ensure greater effectiveness, efficiency and cost-effectiveness of public action;

b. to provide for the implementation of the entire PhD programme, training, research and evaluation at the administrative and operational premises of the beneficiary University, without prejudice to periods of study and research at companies and research centres and abroad, if foreseen, scheduled in line with the training and research activities planned at the premises of the proposer;

c. to provide for study and research periods in companies, research centers or Public Administrations from a minimum of six (6) months to a maximum of twelve (12) months;

d. to provide for study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months;

e. to ensure that the student can make use of qualified and specific operational and scientific structures for study and research activities;

f. to promote the exploitation of research results and ensure the protection of intellectual property by ensuring open access to research results and related data to the public (for example, publications of original results of the scientific research , raw data and metadata, sources, digital graphic and image representations and scientific multimedia materials) in the shortest time and with the least possible number of limitations, according to the principles "Open science" and "FAIR Data";

g. to ensure compliance with the horizontal principles of the PNRR.

#### **Article 9 ((Eligibility criteria for PhD courses for the cultural heritage)**

Mission 4 Component 1 Investment 4.1 of the PNRR

1. The implementing bodies select the research projects recipients of scholarships for PhD programmes for cultural heritage on the basis of the following criteria:

a. preferably to cover subject areas and topics consistent with the following:

<b>AREA CUN</b>	<b>TEMATICA (TOPIC)</b>
AREA 01 - Scienze matematiche e informatiche (Mathematical and computer sciences)	Informatica, patrimonio e beni culturali (Information technology, heritage and cultural heritage)
AREA 02 - Scienze fisiche (Physical Sciences)	Fisica applicata al patrimonio e ai beni culturali (Physics applied to heritage and cultural heritage)
AREA 03 - Scienze chimiche (Chemical Sciences)	Chimica, ambiente, patrimonio e beni culturali (Chemistry, environment, heritage and cultural heritage)
AREA 04 - Scienze della Terra (Earth Sciences)	Georisorse minerarie per l'ambiente, il patrimonio e i beni culturali (Mineral Georesources for the environment, the heritage and cultural heritage)
AREA 05 - Scienze biologiche (Biological Sciences)	Ecologia, patrimonio e beni culturali (Ecology, heritage and cultural heritage)
AREA 08 - Ingegneria civile e Architettura (Civil Engineering and Architecture)	Architettura, ambiente antropizzato, patrimonio e beni culturali (Architecture, anthropized environment, heritage and cultural heritage)
	Architettura e paesaggio (Architecture and landscape)
	Storia dell'architettura (History of architecture)
	Restauro (Restoration)

	Pianificazione e progettazione dell'ambiente antropizzato (Planning and design of anthropized environment)
	Design e progettazione tecnologica dell'architettura (Technological design and engineering of architecture)
AREA 10 - Scienze dell'antichità, filologico-letterarie e storico-artistiche (Ancient, philological-literary and historical-artistic sciences)	Archeologia (Archeology)
	Storia dell'arte (Art History)
	Media, patrimonio e beni culturali (Media, heritage and cultural heritage)
AREA 11 - Scienze storiche, filosofiche, pedagogiche, psicologiche (Historical, philosophical, pedagogical, psychological sciences)	Biblioteconomia (Biblioteconomy)
	Archivistica (Archivistics)
	Storia del patrimonio e dei beni culturali (History of heritage and cultural heritage)
	Paleografia (Paleography)
	Estetica (Aesthetics)
	Didattica dell'arte (Didactics of art)
	Pedagogia dell'arte (Art Education)
AREA 12 - Scienze giuridiche (Legal Sciences)	Diritto del patrimonio culturale (Law on cultural heritage)
AREA 13 - Scienze economiche e statistiche (Economics and Statistics)	Economia della cultura e dell'arte (Culture and Art Economics)
	Economia e gestione delle imprese artistiche e Culturali (Economics and management of artistic and cultural enterprises)
	Statistica e Data Analytics per i beni culturali (Statistics and Data Analytics for Cultural Heritage)
AREA 14 - Scienze politiche e sociali (Political and Social Sciences)	Sociologia dei beni culturali (Sociology of Cultural Heritage)
	Sociologia dell'ambiente e del territorio (Sociology of the environment and territory)

b. to provide for the implementation of the entire PhD, training, research and evaluation pathway, at the administrative and operational headquarters of the beneficiary University, without prejudice to the periods of study and research at companies and research centers and abroad, if foreseen , scheduled consistently with the training and research activities planned at the premises of the proposer;

c. to provide for study and research periods in companies, research centers or public administrations, including museums, institutes of the Ministry of Culture, archives, libraries, from a minimum of six (6) months to a maximum of twelve (12) months;

d. to provide for study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months;

e. to ensure that the student can benefit from qualified and specific operational and scientific facilities for study and research activities ;

f. to promote the exploitation of research results and to ensure the protection of intellectual property, by ensuring open access to research results and related data to the public (for example, publications of

original results of the scientific research, raw data and metadata, sources , graphic digital representations and images and scientific multimedia materials) in the shortest time and with the least possible limitations, according to the principles of "Open science" and "FAIR Data";

g. to ensure compliance with the horizontal principles of the PNRR.