Extract from the decree of February 22, 2019 defining the competencies of doctorate graduates and registering the doctorate in the national directory of professional certification (JORF No. 0055 of March 6, 2019).

The awarding of a doctorate certifies the ability to produce new scientific knowledge at a high level, as well as the acquisition and mastery of skills common to all doctors, related to their training through research.

Assessed skills or capabilities:

Block 1: Conceiving and elaborating a research and development procedure
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	Having scientific expertise, both general and specific, within a precise field of work and research
	Assessing the status and limits of knowledge within a specific field of activity, on a local, national and international scale
	Identifying and resolving complex and new problems involving several fields, by engaging the most advanced knowledge and skills
	Identifying possibilities of conceptual breaks and conceiving innovation points within a professional sector
	Offering innovating contributions within high-level exchanges and in international contexts
	Constantly adapting to research and innovation constraints within a professional sector
Blo	ck 2: Setting up a research and development, study and prospects, procedure
	Using research methods and tools in relation with innovations
	Using the principles, tools and procedures for evaluating the costs and funding of an innovation or R&D
	Guaranteeing the validity of works, and their deontology, by using adapted control methods
	Manage the temporal constraints of research, innovation, or R&D activities
	Using engagement, risk management, and autonomy factors necessary to finalizing an innovation, research or R&D project
Blo	ck 3: Promoting and transferring the results of a R&D, study and prospects, procedure
	Engaging in transfer issues with the goal of exploiting or promoting results or products within economic or social sectors
	Respecting the rules of intellectual or industrial property
	Respecting the principles of deontology and ethics in relation to the integrity of research and potential impacts
	Using all the dispositions for publication on the international level allowing to promote new knowledge and skills
	Engaging in "open data" communication techniques to promote procedures and results

Block 4: Scientific and technological vigil on an international scale

	Obtaining, synthesizing and analysing data, avant-garde scientific and technological information on an international scale
	Possessing understanding, necessary distance and a critical outlook on all the available high-end information
	Overcoming the barriers of available data and knowledge by using different fields of knowledge and professional sectors
	Developing webs of scientific and professional cooperation on an international level
	Possessing the necessary curiosity, adaptability and opening for acquiring and maintaining a high level of general knowledge
Blo	ck 5: Training and sharing scientific culture
	Giving accounts and communicating in several languages on the subject of research of a scientific or technological, aimed at various pubics or publications, both written and spoken
	Teaching and training different audiences to advanced concepts, tools and methods
	Adapting to a varied public in order to communicate and promote high-end concepts and procedures
Blo	ck 6: Monitoring teams dedicated to R&D, studies and prospects activities
	Leading and coordinating a team in the case of complex and inter-disciplinary tasks
	Identifying the missing skills within a team and taking part in recruitment or finding service providers
	Setting up the necessary procedures to initiate a spirit of entrepreneurship within the team
	Identifying key resources for a team and preparing evolutions in terms of training and personal development
	Evaluating the work of others and of the team regarding projects and goals