

Type of competence	Code	Competence
Basic	CB6	To have and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context.
	CB7	That students can apply the acquired knowledge and their problem-solving skills on new or little-known environments within broader (or multidisciplinary) contexts related with their study area
	CB8	That students can include knowledge and face the complexity of making judgements from information which, though incomplete or limited, includes reflections on social and ethical responsibilities linked to the application of their knowledge and judgement.
	CB9	That students can communicate their conclusions and knowledge and reasons that support them to specialised and non-specialised audiences clearly and unambiguously.
	CB10	That students have the necessary learning skills to continue studying largely in a self-directed or autonomous way.
General	CG1857	To be able to work in teams and manage working time.
Cross-curricula	CT1854	To have a critical mind to read research articles and include the outcomes into their work.
	CT1861	To be able to manage a variety of techniques and software applied to solving practical problems of optimisation, data processing, numerical simulation and mathematical research.
	CT1862	To be able to translate the processes and results of a problem solved mathematically into a non-too-technical language.
	CT1863	To be able to use skilfully searching tools of bibliographic resources.
	CT1872	To be able to use the necessary resources to define and propose solutions to problems that may be solved mathematically.
Specific	CE791	To understand an advanced mathematical problem or face a mathematical problem of the business or technology world.
	CE792	Students must be able to search for bibliographic references on the mathematical problems posed on databases commonly used on mathematical research such as Mathscinet, Web of Knowledge or scientific magazines specialised on mathematical research.
	CE793	To use the techniques learnt in the Master's Degree to fully or partially analyse and solve such problem and, if necessary, simulate the results numerically.
	CE794	Students must use properly the scientific method to solve the posed mathematical problems.
	CE795	To write coherent and technically appropriate mathematical reasoning.
	CE1840	To be able to elaborate and develop advanced mathematical reasoning and extract the properties of the different mathematical objects and apply them to other contexts.
	CE1841	To be able to elaborate models to capture and explain a part of reality, analyse them and study their solution qualitatively.
	CE1856	To be able to understand and solve advanced mathematical problems and plan the way to solve them according to the available tools, and time and resources limitations.
	CE1859	To be able to model and design algorithms to solve practical problems of application of mathematics on other sciences or a professional environment.
	CE1860	To be able to design, develop and adapt IT applications to obtain solutions to the developed applied models and/or perform numerical simulations.
	CE1865	To have a critical mind to tackle new software, understand a new option or IT programme, install it and take advantage of its new possibilities and applications.