



PERSONA CIÈNCIA EMPRESA

Universitat Ramon Llull

MASTER'S DEGREE IN CHEMISTRY. SPECIALISATION IN MATERIALS SCIENCE

BASIC AND GENERAL SKILLS

BASIC SKILLS

CB6 – Acquisition and understanding of knowledge that provides an opportunity to be original in the development and/ or application of ideas, often in a research context

CB7 - Know how to apply knowledge acquired and ability to solve problems in new or unfamiliar environments within broader contexts (or multidisciplinary contexts) related to the student's field of study

CB8 – Ability to integrate knowledge and face the complexity of formulating opinions from incomplete or limited information, including reflections on social and ethical responsibilities related to applying knowledge and understanding

CB9 - Know how to clearly and precisely communicate conclusions, ideas and justifications supporting said knowledge to both a specialized or lay audience

CB10 – Development of the necessary learning skills to undertake further studies with a high level of independence and self-management

GENERAL SKILLS

CG1 – Know how to design, manage, carry out and present an R&D project in the field of chemistry

3.2 CROSS-CURRICULAR SKILLS

T1 - Ability to communicate effectively both orally and in writing both with a specialized and lay audience

T2 - Ability to communicate in English and use English as a working language

T3 - Ability to work in multidisciplinary environments, either individually or as a member of a team

T4 - Ability to lead and manage work teams

T5 - Ability to appreciate the impact of the use of chemistry in the sustainable development of society

T6 - Ability to develop learning abilities necessary to undertake subsequent activities and recognize the need of constant training in order to grow professionally

T7 - Ability to fulfil responsibilities related to professional activity while working in a responsible manner

3.3 SPECIFIC SKILLS

E1 – Ability to apply advanced knowledge of chemistry disciplines in the different industrial sectors, especially in the fields of pharmacy, analysis and materials, and solving problems in multidisciplinary contexts

E2 – Ability to use advanced chemical methodologies and tools in research, development and production of products and services

E3 – Ability to design, carry out and interpret experiments in the field of chemistry

E4 – Ability to develop basic and applied research and innovative activities in academic and industrial environments related to chemistry, along with integrating interdisciplinary projects and activities

E5 – Ability to apply and integrate advanced knowledge and chemistry tools in different industrial sectors that use, develop or fabricate products or chemical processes

E6 – Ability to lead, supervise and manage chemistry projects in academic environments or in companies, in the latter case accepting the company culture and adapting to the company structure and function