












## MASTER'S DEGREE IN FOOD SAFETY AND BIOTECHNOLOGY









### ELECTIVE COURSES

(Choose 44 credits. A minimum of 16 credits must belong to a different module)

#### Module A: HEALTHY NUTRITION AND FOOD SAFETY


Code	Course	ECTS	TYPE
 7427	Microstructural Analysis of Food	4	Elective
 7438	Sensory Analysis as a Tool for Design, Control and Marketing of Food	4	Elective
 7439	Weight and Body Composition: Implications for the Development of Disease	4	Elective
 7440	Food from Hive: Properties, Applications and Analysis	4	Elective
 7441	Chemometry and Qualimetry in Food	4	Elective
 7442	Food for the Physical Activity and Sport.	4	Elective
 7443	Natural Antioxidants and Oxidative Stress	4	Elective
 7444	Molecular Genetic Techniques for Quality Control and Food Safety	4	Elective
 7445	New Trends in Food Quality Management and Food Safety	4	Elective

#### Module B: TECHNOLOGICAL INNOVATION


Code	Course	ECTS	TYPE
 7446	New Technologies in the Food Industry	4	Elective
 7447	Enzymatic Biotechnology in the Food Production and Analysis	4	Elective
 7448	Membrane Process Design and Evaluation	4	Elective
 7449	Biotechnology Processes In The Food Industry	4	Elective
 7450	Supercritical Fluid Processes in the Food Industry	4	Elective
 7451	Genetic Modification of Food	4	Elective
 7452	Environmental Biotechnology for the Food Industry	4	Elective
 7453	Non-Nutritional Bio-active Components Useful for the Food Industry	4	Elective

### COMPULSORY CORE COURSES

#### Module C: THESIS RESEARCH

Code	Course	ECTS	TYPE
 7454	Final Master's Project	16	Compulsory

#### IMPORTANT INFORMATION:

 English Friendly Courses.
<ul style="list-style-type: none"> <li>• Fall Semester = 1<sup>o</sup> Semester</li> <li>• Spring Semester = 2<sup>o</sup> Semester</li> </ul>
Elective courses require a minimum of students and could change the semester
Final Degree Dissertation and Internships may need special requirements



UNIVERSIDAD DE BURGOS