












UNIVERSIDAD DE BURGOS

**JOINT DEGREE IN AGROLIMENTARY ENGINEERING & THE RURAL
ENVIRONMENT AND INDUSTRIAL MANAGEMENT ENGINEERING**

1st Year

Code	Course	Credits ECTS	Semester
7998	Animals and Plant Biology	6	Fall
7999	Business Economics I	6	Fall
8000	Physics I	6	Fall
8001	Mathematics I	6	Fall
8002	General Chemistry	6	Fall
 8003	Agricultural Botany	3	Spring
8004	Edaphology	3	Spring
8005	Physics II	6	Spring
 8006	Informatics	6	Spring
8007	Mathematics II	6	Spring
 8008	Geology and Climatology	6	Spring
 8009	Materials Science: Structure and Properties	6	Spring

2nd Year

Code	Course	Credits ECTS	Semester
 8010	Biochemistry	6	Fall
8011	Electrotechnics	6	Fall
8012	Graphic Expression	6	Fall
8013	Agroalimentary Microbiology	6	Fall
8014	Animal Production	6	Fall
 8015	Materials Elasticity and Resistance	6	Fall
8016	Business Economics II	6	Spring
 8017	Fitotechny	9	Spring
8018	Hydraulics	3	Spring
 8019	Agroalimentary Analysis Methods	3	Spring
8020	Agricultural Machinery and Engines	3	Spring
 8021	Topography	6	Spring
8036	Statistics and Numerical Calculus	6	Spring

3rd Year

Code	Course	Credits ECTS	Semester
8023	Design of Experiments	3	Fall
8024	Quality Management in Agroalimentary Industries	3	Fall
8025	Food Engineering	9	Fall
8026	Agroalimentary Industries Logistics	3	Fall



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8027	Agricultural Chemistry	6	Fall
8028	Technology of Structures	6	Fall
8029	Automatisms and Industrial Control	6	Fall
8030	Food Composition	3	Spring
8031	Construction and Agroalimentary Building	9	Spring
8032	Herbaceous and Woody Crops	6	Spring
8033	Waste Management and Exploitation	3	Spring
8034	By-Product Management and Exploitation	3	Spring
8035	Food Technology	6	Spring
8022	Extended Calculus and Geometry	6	Spring




4th Year

Code	Course	Credits ECTS	Semester
8037	Ecology and Environmental Impact Assessment	3	Fall
8038	Food Processing Industries	9	Fall
8039	Agroalimentary Machinery and Process Control	6	Fall
8040	Viticulture	3	Fall
8041	Production Management	6	Fall
8042	Forced Crops	3	Spring
8043	Engineering Projects	6	Spring
8044	Graphic Expression II	6	Spring
8045	Final Degree Dissertation (Agroalimentary Engineering and the Rural Environment)	12	Spring
8065	Renewable Energies	3	Spring

ELECTIVE COURSES from AGROALIMENTARY ENGINEERING AND THE RURAL ENVIRONMENT (Choose 18 ECTS in Fall semester and 9 ECTS in Spring semester)




Code	Course	Credits ECTS	Semester
8059	Technology of Enology	3	Fall
8060	Mathematical Models Applied to Agroalimentary Engineering	3	Fall
8061	Contamination and Soil Degradation	3	Fall
8062	Agricultural Infrastructures	3	Fall
8063	Postharvest Technology	3	Spring
8064	Computer Assisted Design	3	Spring
8066	Engineering of Green Spaces	3	Spring
8067	External Placements	9	Fall/ Spring

5th Year (To be implemented in 2022/2023)


Code	Course	Credits ECTS	Semester
 8046	Quantitative Methods I	6	Fall
 8047	Work Organisation and Human Resources	6	Fall
 8048	Industrial Marketing	6	Fall
8049	Enterprise Strategy and Policy	6	Fall





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8050	Production and Manufacturing Systems	6	Fall
8051	Maintenance Management	6	Fall
 8052	Thermal Engineering I	6	Spring
8053	Mechanisms	6	Spring
8054	Fundamentals of Electronics	6	Spring
 8055	Quantitative Methods II	6	Spring
 8056	Productive Systems Design, Planning and Control	6	Spring
8057	Logistics	6	Spring

6th Year (*To be implemented in 2022/2023*)

Code	Course	Credits ECTS	Semester
 8058	Final Degree Dissertation (Industrial Organization Engineering)	24	Fall

IMPORTANT INFORMATION

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