

Polytechnics Institute of Portalegre

BIOFUEL PRODUCTION TECHNOLOGIES Undergraduate Degree - 3 years

Year	Semester	Curricular Unit	ECTS
1	Winter	Mathematical Analysis I	5
1	Winter	Linear Algebra and Analytical Geometry	5
1	Winter	General Chemistry	5
1	Winter	General Physics	5
1	Winter	Biology	2.5
1	Winter	Botany and Zoology	2.5
1	Winter	Transfer Unit I	5
1	Spring	Mathematical Analysis II	5
1	Spring	Probabilities and Statistics	5
1	Spring	Productive Processes	5
1	Spring	Applied Thermodynamics	5
1	Spring	Unit Operations I	2.5
1	Spring	Organic Chemistry & Biochemistry	2.5
1	Spring	Transfer Unit II	5
2	Winter	Agricultural Production I	5
2	Winter	Unitary Operations II	5
2	Winter	Electrotechnology	5
2	Winter	Environmental Physics and Chemistry	5
2	Winter	Numerical Methods and Optimization	2.5
2	Winter	Forest Resources	2.5
2	Winter	Transfer Unit III	5
2	Spring	Agricultural Production II	5
2	Spring	Mechanics	5
2	Spring	Instrumental Analytical Methods	5
2	Spring	Environmental Analysis	5
2	Spring	Topography, Cartography & Geographical Information Systems	2.5
2	Spring	Quality Control and Management	2.5
2	Spring	Transfer Unit IV	5
3	Winter	Engines and Turbines	5
3	Winter	Production of Solid and Gaseous Fuels	5
3	Winter	Production of Liquid Fuels	5
3	Winter	Energy Management and Rationalization	5
3	Winter	Business Management Fundamentals	2.5
3	Winter	Occupational Safety, Hygiene and Health	2.5
3	Winter	Transfer Unit V	5