

Polytechnic Institute in 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 |