

**LIFE ENGINEERING : FOOD PROCESSING** as an introduction to engineering jobs in :

Methods, production, health, safety and quality

		minor lecture	Major lecture	minor TU-EX	Major TU-EX	Total Major	Ind. work	Possible projects minor: 40h, Major: 100h
<b>Processes in food processing</b>	Study of processes and industrial equipment (PC & PO) for transformation and preservation	12h		12h	+ 4h	28h		M: process analysis
<b>Health and safety</b>	Equipment safety Health and safety for people <b>i</b> Health, HACCP <b>i</b>	16h		14h		30h		m: organisation quality, safety, health analysis
<b>Quality</b>	Statistical process control, $6\sigma$ , experimental design Quality, AMDEC and resolution tools		+ 6h		+ 8h	18h		m: SPC analysis ... M: setting up of quality procedures
<b>Maintenance</b>	Industrial maintenance	2h		8h		10h		m: maintenance organisation analysis
<b>Industrial organisation</b>	Specific industrial organisation (cold, seasonality, ...) <b>E</b> Environment : waste management, effluent treatment <b>E</b> Administrative organisation Food processing sector <b>E</b>	4h	+ 2h	2h		10h		M: waste and effluent management
		36h	+ 12h	36h	+ 12h	96h		