

## TRANSPORTATION

as an introduction to engineering jobs in :  
 Research and testing (major option), production and operation.

		minor lecture	Major lecture	minor TU-EX	Major TU-EX	Total Major	Ind. work	Possible projects minor: 40h, Major: 100h
<b>TRANSPORTATION OPERATIONS &amp; MANAGEMENT</b>	Urban transit operations	4h		4h TU				m : application to another specific sub-sector
	Transportation management and logistics	4h		4h TU		20h		
	Social issues	4h						
<b>TRANSPORTATION ENGINEERING SYSTEMS (GENERAL POINTS)</b>	General architecture	2h		4h TU				m : application to another specific sub-sector
	Standards & regulations. Qualification	2h				10h		
	System development and project management	2h						
<b>TRANSPORTATION ENGINEERING SYSTEMS (SUB-SYSTEMS)</b>	Structures and materials	4h		8h				M : calculations on structures
	Dynamics and acoustics		4h		4h			
	Fuel, engine types, transmission & braking, steering	4h		8h		34h m		M : dimensioning of fuel sub-system
	Control		4h		8h		58h	
<b>PRODUCTION &amp; MAINTENANCE</b>	Onboard electronic and computing equipment	2h	4h	8h				M : value analysis of onboard sub-system
	Automobile production	4h					8h	m : production system analysis
	Rail maintenance	4h						
		36h	+ 12h	36h	+ 12h	96h		