

	Unité d'Enseignement (UE)	Nombre d'heures	ECTS	Intervenants internes (Albi et ISAE)	Intervenants académiques externes	Visites	Intervenants professionnels	Responsable
AMPK	UE Aircraft, Material and Process basic scientific knowledge	131	10	39,5	3	3	85,5	Catherine Mabru
	<i>Aircraft General Knowledge</i>							
AMP1-MEG9	Flight Dynamics	22	2				D. Brenot (22h)	D. Brenot
AMP1-MCA1	Aircraft and Airframe Architecture	11,5	1				D. Brenot (11,5h)	D. Brenot
	<i>Aeronautical materials and processes</i>							
AMP2-ATA	Aluminium and titanium alloys	15	1	P. Lours (9h), V. Vidal (3h)			M. Piellard (3h)	Philippe Lours
AMP2-ETC	Epoxy and thermoplastic composites	13,5	1	G. Bernhart(9h)			L. Demoulin (4,5)	Gerard Bernhart
AMP2-AP	Assembly processes	13,5	1	E. Paroissien (3h)		Visite Airbus St Martin (3h)	J. Terrazoni 7,5h	J. Terrazoni
AMP2-MPQ	Material and processes qualification	14	1				E. Dupuy (7h)	E. Dupuy
	<i>NDI and shape control techniques</i>							Jean-José Orteu
AMP3-NDI	NDI for metallic and composite materials	12,5	1,5	J.J Orteu (0,5h)			R. Lacalle (12h)	Jean-José Orteu
AMP3-OSP	Optical shape scanning and positioning	12	1,5	J.J Orteu (6h)	M. Cavarero (3h)		F. Gbeuli (3h)	Jean-José Orteu
	<i>CAD</i>							
AMP4-CAD	Computer Aided Design : CATIA	12	0	D. Gagneux (4h)	M. Rognant (6h)			D. Gagneux
AMP4-CAD	Computer Aided Design : Finite Element Meshing	5	0	Q. Govignon (5h)				Quentin Govignon
CSFMP	UE Composite Structure Forming and Machining Processes	107,5	10	63,5	32,5	0	11,5	Quentin Govignon
CSFMP1-PDM	Physical phenomena description and modeling related to epoxy based manufacturing	12	1	G. Bernhart (6h), Q. Govignon (6h)				Gerard Bernhart
CSFMP1-PDMP	Physical phenomena description and modeling related to epoxy based manufacturing practice	3	1	Q. Govignon (3h)				Gerard Bernhart
CSFMP2-RMC	Raw material and composite quality control	10,5	1	F. Berthet, L. Zemni, K. Choquet, R. Bonnaire, D. Adé	D. Fallandry (3h)			Gerard Bernhart
CSFMP3-LCM	LCM/RTM processes	20	2	Q. Govignon (11h), F. Berthet (3h) F. Rossi (6h)			S. Vacher (3h), D. Giraud (3h)	Quentin Govignon
CSFMP4-VBA	Vacuum Bagging (monolithic - sandwich)	22,5	2		B. Castanié (3h), D. Fallandry (19,5h)			Gerard Bernhart
CSFMP5-CTA	Composite material trimming, drilling and assembly	12,5	1		R. Zitoune (7h)		E. Royer (5,5h)	R. Zitoune
CSFMP6-CIS	Composite RTM/Infusion Simulation	21	1	Q. Govignon (21h), S. Boztepe (21h)				Quentin Govignon
CSFMP6-CISP	Composite RTM/Infusion Simulation Practice	6	1	Q. Govignon (6h), S. Boztepe (6h)				Quentin Govignon
MSFMP	UE Metallic Structure Forming and Machining Processes	112	10	52,5	34,5	6,5	18,5	Luc Penazzi
MSFMP1-MMFR	Material behaviour and mechanical models Recall	5	1	C. Mabru (1,5h), L. Penazzi (3,5h)				Catherine Mabru
MSFMP1-MMF	Material behaviour and mechanical models	11	1	C. Mabru (6h), L. Penazzi (5h)				Catherine Mabru
MSFMP2-CHF	Cold and hot forming processes	25	2	L. Penazzi (7,5h), F. Rezaï-Aria (3h)		Visite Airbus St Eloi (2,5h)	A. Petiot (6h), D. Mauduit (3h), G. Marin (3h)	Luc Penazzi
MSFMP2-CHFP	Cold and hot forming processes Practice	6	1		J.P. Juanico (6h) JC Oules (6h)			Luc Penazzi
MSFMP3-SUR	Surface treatments	16,5	1		L. Arurault (4h), S. Duluard (2h)	Visite Prodrem (2,5h), Visite Mapaero (1,5h)	E. Rumeau 3,5h	Catherine Mabru
MSFMP4-MMM	Metallic Material Machining and Additive Manufacturing	22,5	2		P. Lagarrigue, P. Gilles			P. Lagarrigue
MSMFP5-SFS	Metallic Sheet Forming Simulation	20	1	T. Pottier (20h)				Thomas Pottier
MSMFP5-SFSP	Metallic Sheet Forming Simulation Practice	6	1	T. Pottier (6h)				Thomas Pottier
IOM	UE Industrial Organization and Management	70	7	0	0	0	70	Luc Penazzi
IOM1-SCO	Supply Chain structure and organization	15	1				A. Vignolle (15h)	Agathe Vignolle
IOM2-LML	Lean Manufacturing and Logistics	15	2				T. Coueron (15h)	Thomas Coueron
IOM3-SCI	Supply Chain Improvement and collaborative processes	15	2				A. Vignolle (15h)	Agathe Vignolle
IOM4-QRM	Quality Requirement, management and tools	25	2				G. Martinez (25h)	M. Martinez
ITP	Integrated Team Project	100	8	L. Adam, F. Berthet, R. Ceceña-Loya, Q. Govignon, L. Penazzi, T. Pottier, F. Rossi F. Schmidt				Quentin Govignon