

SCIENCES, INGÉNIERIE ET TECHNOLOGIES

MASTER SATELLITE COMMUNICATION SYSTEMS (SATCOM)



Target level
BAC +5



ECTS
120 credits



Duration
2 ans

Presentation

Useful info

Place

 Toulouse

Program

	Nature	CM	TD	TP	Crédits
1 ère année Sat Com	UE				60 credits
Semestre 7 Sat Com	UE				30 credits
SOFT AND HUMAN SKILLS- Sem. 7	UE				7 credits
Sports	UE				
Français Langue Etrangère (FLE (PIM))	UE				
Conferences on aeronautics - sem 7	UE				
Communication	UE				
PROGRAMMING	UE				3 credits
Basis of Programming / Matlab	UE				
C programming	UE				
Microprocessor	UE				
DIGITAL ELECTRONICS	UE				5 credits
VHDL - M1 ESECA	UE				
Digital electronics project	UE				
Maths	UE				4 credits
Theory of distributions for signal processing	UE				
Probability Statistics	UE				
Stochastic process	UE				
Introduction to digital communications	UE				8 credits
Signal processing	UE				
Digital signal processing	UE				
Digital communications	UE				
Channel coding	UE				
Simulation of communication chains	UE				
Semestre 8 Sat Com	UE				30 credits
	Nature	CM	TD	TP	Crédits
2ème année Satcom	UE				60 credits
Semestre 10 Sat Com	UE				30 credits
PFE	UE				30 credits
Semestre 9 Sat Com	UE				30 credits
SHS	UE				8 credits
Satellite Com Market & Regulation & Space Law	UE				
Project management	UE				
Conferences on Satcom	UE				
Tutored project	UE				
Advanced telecommunication techniques 1	UE				4 credits
Network & Telecom Protocols	UE				
Advanced digital communication	UE				
Modern channel coding	UE				
Digital com. for non linear channels	UE				

Advanced telecommunication techniques 2	UE	6 credits
Spread spectrum techniques	UE	
Digital filter banks	UE	
RF Satellite Channel	UE	
Digital receivers & SDR Technology	UE	
Components of a SATCOM system	UE	6 credits
Space techniques and applications	UE	6 credits