FINAL SPECIALIZATION:
choice between 23 possibilities

1ST YEAR: Fundamentals, Practice based element & French

Exchange opportunity

2nd YEAR

1ST Semester			2nd Semester		3rd – 4th
Core	**Required Major (all)**	**Elective Major (≥4)**	**Core**	**Required Major (all)**	**Specialization**
Biomedical Engineering Bioimaging[E] Biomaterials[E] Biomechanics[E] Bioengineering in Neurosciences[E]	Solid Mechanics Intro. to Biomechanics Materials 1 Computing Project	CAD (1) Thermodynamics (1) Thermal Science (2) Fluids Mechanics (3)	**Communication & Organisation** French Language Operation Management	Anatomy & Physiology Finite Element Method Vibrations Research Project **Practical training**	**Theoretical courses depending on your specialization** **MASTER THESIS**
Design, Industrialization, Risk & Decision Innovation, Design Interaction Design Design, Prod. Eng. & Innovation* Virtual Engineering & Innovation* Digital Mock-up & 3D visualization* Advanced Production Systems*[E] Design & Manufacturing[E] Product &Production Process Design* Decision Science & Risk Management	Solid Mechanics Product Design Meth. CAD Computing Project	Materials 1 (1) Thermodynamics (1) Thermal Science (2) Fluids Mechanics (3)		Manufacturing Eng. Advanced CAD Vibrations Research Project **Practical training**	
Fluids & Energy Systems Energetics & Environment Naval Engineering*[E] Aerodynamics & Aeroacoustics[(E)] Mechanical Science & Engineering*[(E)]	Fluid Mechanics Hydraulics Thermodynamics Computing Project	CAD (1) Materials 1 (1) Thermal Science (2) Solid Mechanics (3)		Aerodynamics Exp./Num. Methods Vibrations Research Project **Practical training**	
Mechanics, Materials & Processes Mechanics of materials & structures[E] Mechanical & Energy Engineering* Mechanics, Material, Struct. & Proc.*	Solid Mechanics Mechanical Sizing Materials 1 Computing Project	CAD (1) Thermodynamics (1) Thermal Science(2) Fluids Mechanics (3)		Materials 2 Finite Element Method Vibrations Research Project **Practical training**	
Mechatronics Advanced Systems & Robotics Electrical Engineering*[(E)]	Solid Mechanics CMD 1 CAD Computing Project	Materials 1 (1) Thermodynamics (1) Thermal Science (2) Fluids Mechanics (3)		CMD 2 Sensors Vibrations Research Project **Practical training**	

Calculation
Data Processing
Mathematics
Numerical Methods

Communication & Organisation
Bibliography
Technics
Career Development
Communication in English
French Language
Project Management

Legend: E : Possibility to only choose lectures in English; (E) : Only some lectures are in English; * : M2 not in Paris