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BIOMEDICAL ENGINEERING
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BIOMEDICAL ENGINEERING

Program Code	Program	Level of study	Location	Teaching Language	Keywords	Web Page
BIM	Bio-imaging	M2	Paris	English	Medical imaging Computing Machine learning	
BIOMECH	Biomechanics	M2	Paris	English	Human mechanics Prothesis Modeling Experimental Clinical research	
E-HEALTH	Innovation in Digital Health	M2	Paris	English	Health Communication Secure data Immersive tech	
MCB	Molecular and Cellular Biotherapies	M2	Paris	English	Gene-Therapies Tissue engineering Regenerative medecine	
NEUROTECH	Neurotechnologies	M2	Paris	English	Neuronal engineering Neurosciences Innovations	

ENERGY

Program Code	Program	Level of study	Location	Teaching Language	Keywords	Web Page
MEEN	Mécanique et Energie en Environnement Naval (Mechanics and Energy in Nautic Environment)	M2	Brest (Lanvéoc)	French	Naval engineering Marine energy Hydrodynamics Fluid structure interaction	
E2SD	Énergie Electrique et Développement Durable	M2	Lille	English	Energetic systems Electricity distribution Energetic conversion	
SMI	Sciences Mécaniques et Ingénierie (Mechanics Sciences and Engineering)	M2	Lille	French	Solids mechanics Fluids mechanics Numerical simulations	
FOF - ENG	Factory of Future - Energy	M1	Paris	English	Energy and fluids mechanics Scientific research Project management	
IMCE	Ingénierie des Machines à Conversion d'Energie (Energy Conversion Machinery Engineering)	M2	Paris	French	Energy conversion Turbomachine Thermodynamics Numerical simulation CFD	
MFFA-AA	Mécanique des Fluides Fondement et application, Aérodynamique et aéroacoustique (Fluids Mechanics, Fundamentals and Applications - Aerodynamics and Aeroacoustics)	M2	Paris	French	Aerodynamics Aeroaccoustics High-performance computing Numerical simulations	

INDUSTRIAL ENGINEERING

Program Code	Program	Level of study	Location	Teaching Language	Keywords	Web Page
CPSE	Cyber-Physical Systems Engineering	M2	Aix-en-Provence	English	Industry 4.0 CPS Chain management	
MTI3D-IN	Management des Technologies Interactives 3D - Ingénierie Numérique (Management of Interactive 3D Technologies - Digital Engineering)	M1 et M2	Chalon-sur-Saône	French	Digital engineering Virtual reality Augmented Reality Rapid prototyping Industry 4.0	
MTI3D-IVI	Management des Technologies Interactives 3D - Ingénierie Virtuel Innovation	M1 et M2	Laval	French	Virtual reality Augmented reality Mixed reality Programming Real-time computer graphics User experience	
TEEF	Technologies Emergentes pour l'Education et la Formation	M1 et M2	Laval	French	Pedagogical engineering Virtual reality Artificial intelligence XR	
KIMP-APS	Knowledge Integration in Mechanical Production - Advanced Production Systems	M2	Lille	English	Industry 4.0 Industrial robotics Machine learning	
KIMP- CII	Knowledge Integration in Mechanical Production - Conception, Industrialisation, Innovation	M2	Metz	French	Design and manufacturing engineering Knowledge integration Mechanical engineering Risk analysis Simulation	
FOF- GI	Factory of Future - Industrial Engineering	M1	Paris	English	Manufacturing sciences Scientific research Project management	
KIMP- DM	Knowledge Integration in Mechanical Production - Design and Manufacturing	M2	Paris	English	Design and manufacturing engineering Virtual reality Knowledge integration	
ICI-DI	Innovation, Conception, Ingénierie - Design d'Interaction (Innovation, Design, Engineering - Interaction Design)	M2	Paris	French	Design engineering Interactive design UX Design Creativity Emotional design Human-Machine interface	
ICI-IC	Innovation, Conception, Ingénierie - Innovation, Conception (Innovation, Design, Engineering - Innovation, Design)	M2	Paris	French	Design Methodology Design Process Innovation User experience	
SDMR	Sciences de la Décision et Management des Risques (Decision sciences and Risk Management)	M2	Paris	French	Decision sciences Risk management Behavioral decision making Decision theory Organization Risk analysis	

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MECHANICAL ENGINEERING

Program Code	Program	Level of study	Location	Teaching Language	Keywords	Web Page
AM2S	Advanced Manufacturing and Materials Science	M1 et M2	Aix-en-Provence	English	Materials science Numerical methods Manufacturing	
ME-INAES	Mécanique et Energétique - Ingénierie en Aéronautique et Espace (Mechanics and Energy - Aeronautical and Space Engineering)	M2	Bordeaux	French	Mechanics Energetics Transfer phenomena Aeronautics Space, Composite materials Additive manufacturing	
ME-ITED	Mécanique et Energétique - Ingénierie des Procédés Environnementaux et Matériaux pour le Développement Durable (Mechanics and Energy - Environmental Process Engineering and Materials for Sustainable Development)	M2	Bordeaux	French	Mechanics Energetics Transfer phenomena Environment Energy production Soil remediation Subsurface flows Energy use optimisation Sustainable development Materials for environment Heat transfer in buildings	
IMS	Ingénierie des Matériaux et des Surfaces - Materials and Surface Engineering	M2	Cluny et Réseau AM	French	Materials Surfaces Surfaces treatments Composites Manufacturing Polymers Textiles Metallurgy Project management Implementation processes Powder metallurgy Tribology	
MMSP	Ingénierie Mécanique et Matériaux - Mécanique, Matériaux, Structures et Procédés (Mechanical Engineering and Materials - Mechanics, Materials, Structures and Processes)	M2	Metz	French	Solid mechanics Materials science Innovative processes Mechanical engi-neering Composites Metallurgy Metals and alloys Modelling and simulation Multiscale and homogenization Advanced experimental methods	
FOF - GM	Factory of Future - Mechanical Engineering	M1	Paris	English	Mechanical sciences Scientific research Project management	
MAGIS -LCPC	Mechanics of mAterials for enGineering and Integrity of StructuresS - Life Cycle of Polymers and Composite	M2	Paris	English	Mechanics of materials and structures Materials science Life cycle polymers and composite	
MAGIS-MASI	Mechanics of mAterials for enGineering and Integrity of Structures-Machining and Simulation	M2	Paris	English	Mechanics of materials and structures Materials science Advanced machining Multiphysical approach Simulation	
MAGIS-MPAM	Mechanics of mAterials for enGineeringand Integrity of Structures - Metal Processin and Additive Manufacturing	M2	Paris	English	Mechanics of materials and structures Materials science Metal processing, Additive manufacturing Simulation	
SAR	Systèmes Avancés et Robotique (Advanced Systems and Robotics)	M2	Paris	French/ English	Robotics Control Modelling Intelligent systems Mecatronics Advances systems	