

MATERIALS SCIENCE & ENGINEERING

UNIVERSITE DE LORRAINE, FRANCE

(Nancy Campus)

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Mobility for Training activity Mines Nancy (Master students)	Mobility for Research activity Institut Jean-Lamour (Master & PhD students)
5 months (1 semester)	5 months
<p data-bbox="231 591 850 651">MATERIAL SCIENCE & ENGINEERING DEPARTMENT (program taught in French)</p> <p data-bbox="165 687 443 714">Semester 7 (sept-jan) :</p> <ul data-bbox="165 725 871 824" style="list-style-type: none">• Mechanical behaviour of materials, Atom and molecule stacking, Electric and thermal properties of materials, Phase diagrams and microstructures <p data-bbox="165 860 448 887">Semester 8 (feb-June) :</p> <ul data-bbox="165 898 523 925" style="list-style-type: none">• Track Functional Materials <p data-bbox="165 936 871 1034">Dielectric properties of materials, Properties of semiconductors, Magnetic properties of metallic materials and nanomaterials, Polymers for health care and medicine</p> <ul data-bbox="165 1046 523 1072" style="list-style-type: none">• Track Structural Materials <p data-bbox="165 1084 903 1205">Plasticity of crystalline structures, Microstructure development in metallic materials, Elaboration and mechanical properties of polymers, Properties and structures of ceramics</p> <p data-bbox="165 1240 443 1267">Semester 9 (sept-jan) :</p> <ul data-bbox="165 1279 911 1377" style="list-style-type: none">• Materials by Design, Materials Characterization, Multiscale mechanics, Devices at different length-scales, Modeling at the atomic and molecular scales, From surfaces to coatings	<p data-bbox="1018 591 1358 618">(French or English speakers)</p> <p data-bbox="948 663 1145 689">Research Areas:</p> <ul data-bbox="948 701 1417 943" style="list-style-type: none">• Physics of Matter and Materials• Chemistry and Physics of Solids and Surfaces• Materials Science and Engineering - Metallurgy• Nanomaterials, Electronics and Living Systems