



Master Optique, Image, Vision, Multimédia Parcours Photonics for security reliability and safety (PSRS)

Diplôme Master

Domaine d'étude Sciences, Technologies, Santé

Parcours Photonics for security reliability and safety (PSRS)

Objectifs

Two-year (120 ECTS) Erasmus Mundus Joint Master Degree, aiming to train the next generation of highly-skilled experts in advanced imaging technologies, cutting-edge image processing, computational imaging, artificial intelligence technologies, biometrics, pattern recognition, behavioral analysis, spectrometry methodologies, photonic-based sensors, micro-nano-technologies, laser processing and surface functionalization to address the current and future societal challenges related to security and safety of people, goods and environment.

Pour qui ?

Conditions d'admission

Bachelor students in Physics, physical engineering, or any related topics.

Et après ?

Débouchés

Students will be educated through a strong interaction with industrial partners to application fields as various as: detections of dangerous and/or illegal goods, detection of suspect individuals at borders, signature identification for cashless payment, fighting against counterfeiting, forensics and security markings, analysis of biological systems, detection of driver drowsiness, identification systems in case of medical emergency, measurement of inter-vehicle distances, biomedical applications, medical diagnostics, pollution control, driver vision enhancement, driving assistance (collision avoidance systems), industrial production control, help for a more efficient agriculture, food safety, lab-on-chip biosensors, identification of chemical substances and biological or inorganic materials, high precision fabrication of photonic devices, generation of functional surfaces and advanced materials in industry.

Coût de l'inscription

4500€

Détail coût d'inscription

4500 € per year for European students.

9000 € per year for non-European students.

Scholarships available.