

# Annex A: Areas of Cooperation

Franco-Thai Cooperation Programme in Higher Education and Research

(Franco-Thai Mobility Programme / PHC SIAM)

Year 2022 – 2023

<b>Disciplines</b>	<b>Areas</b>
<b>1. Mathematics</b>	1.1. Fundamental and Applied Mathematics 1.2. Statistics 1.3. Actuarial Science
<b>2. Physics</b>	2.1. Classical Mechanics 2.2. Thermodynamics and Statistical Mechanics 2.3. Electromagnetism and Photonics 2.4. Relativistic Mechanics 2.5. Quantum Mechanics, Atomic Physics, and Molecular Physics 2.6. Optics 2.7. Condensed Matter Physics 2.8. High-energy Particle Physics and Nuclear Physics 2.9. Cosmology 2.10. Nuclear and High Energy Physics 2.11. Astronomy, Astrophysics
<b>3. Marine, Earth, Planet Sciences</b>	3.1. Geography, Geology 3.2. Environmental Sciences 3.3. Soil and Water Sciences 3.4. Geodesy Cartography, Remote Sensing 3.5. Meteorology 3.6. Oceanography 3.7. Aquaculture and Marine Resource Management 3.8. Climate Studies
<b>4. Chemistry</b>	4.1. Chemistry, Biochemistry 4.2. Organic Chemistry 4.3. Inorganic Chemistry 4.4. Analytical Chemistry 4.5. Physical Chemistry 4.6. Cosmetic Science
<b>5. Biology and Health Sciences</b>	5.1. Biology, Microbiology, Biotechnology 5.2. Nanotechnology 5.3. Molecular Biology Genetics, Immunology, System Analysis and Physiology 5.4. Re-emerging and Infectious Diseases 5.5. Biotechnology, Natural Substances (Pharmacology, Traditional Drugs) 5.6. Neurosciences 5.7. Medical Science 5.8. Genomics 5.9. Proteomics

Disciplines	Areas
	5.10. Metabolomics 5.11. Bioinformatics 5.12. Medical Technology
<b>6. Humanities</b>	6.1. Ancient and Modern Languages, Linguistics 6.2. Philosophy 6.3. History and Theory of the Arts 6.4. Human Geography 6.5. Law, Politics, Comparative Religion
<b>7. Social Sciences</b>	7.1. Eco-tourism, Tourism 7.2. Demography, Social and Cultural Behaviour 7.3. Economy, Political Science 7.4. Social History 7.5. Anthropology 7.6. Business Studies 7.7. Gender Studies 7.8. Criminology 7.9. Archaeology
<b>8. Engineering Sciences</b>	8.1. Mechanical Engineering 8.2. Electrical Engineering (Electricity and Energy) 8.3. Chemical Engineering (Chemical and Process) 8.4. Aeronautical Engineering 8.5. Civil Engineering and Construction 8.6. Railway System Engineering 8.7. Manufacturing Sciences 8.8. Material Sciences 8.9. Architecture, Urban and Regional Planning 8.10. Energy: New Technologies for Energy: Energy System Integration, Energy Storage, Renewable Technology, Hydrogen & Fuel Cells, Nuclear Energy, Energy Efficiency 8.11. Smart Grid 8.12. Smart Mobility and Electric Vehicle
<b>9. Information and Communication, Science and Technology</b>	9.1. Computing, Computer Science, Artificial Intelligence 9.2. New Technologies, Digital Technology 9.3. Multimedia Communication
<b>10. Agriculture, Food Science, Environment, Biodiversity</b>	10.1. Agricultural Production 10.2. Organic Agriculture 10.3. Plant Biotechnology 10.4. Plant Sciences 10.5. Food Science, Food Safety, Food Technology 10.6. Veterinary Sciences 10.7. Biodiversity: Utilisation and Preservation 10.8. Ecology 10.9. Food Microbiology 10.10. Agricultural Biotechnology