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Research Departments

**The 6 UGA research departments are:**

**Mathematics, Sciences and Technologies of Information and Communication**

*740 faculty members and researchers and 500 PhD students*

Strategic research areas:

- Mathematics: from basic research to applications;
- Data sciences;
- Perception, interaction and usages;
- Cyber-physical systems.

These areas are build-up on the Labex PERSYVAI-lab, AMIES, MINOS, GANEX and the instituts Carnot LSI, ICI and LETI. A new building, PILSI, gathering 1000 researchers, conceived as an Innovation Park, supports this department.

**Chemistry, Biology, Health**

*730 faculty members and researchers and 410 PhD students*

Strategic research areas:

- Bio-motivated and bio-inspired chemical systems;
- Structural and cellular biology;
- Chronicle diseases and cancer;
- Neurosciences;
- Medical technologies.

The following Labex are at the heart of these areas: GRAL, CAMI and ARCANE.

**Physics of Particles, Astrophysics, Geosciences, Environment and Ecology**

*496 faculty members and researchers and 400 PhD students*

The laboratories of this department are involved in national and international strategic research programs concerning, for instance, climate change, exploring the earth and the universe, and understanding the matter/anti-matter asymmetry. Besides these, they collaborate to investigate complex natural systems and their interactions.

These areas are build-up on the Labex OSUG@2020, FOCUS and ENIGMAS.

**Physics, Engineering, Materials**

*971 faculty members and researchers and 1200 PhD. Students*

Strategic research areas:

- Carbon-low energy;
- Nanoscience, nanotechnologies and Microsystems;
- Eco-efficient processes and materials;
- Multi-scale approaches and models;
- Instrumentation.

These areas are build-up on the following Labex and instituts Carnot: CEMAM, LANEF, TEC XXI and iC EF.

### **Social Sciences**

*484 faculty members and researchers and 550 PhD students*

Strategic research areas:

- Strategy, markets and behaviour
- Institutions, norms, values and public policy
- Governance, territory and sustainable development
- Globalization, regionalism and comparative approaches

The following Labex support these areas: ITEM and AE&CC.

### **Humanities and Social Sciences**

510 faculty members and researchers and 640 PhD students

Strategic research areas:

- Language : cognition, behavior, communication
- Memory and history of social and cultural spaces
- Creations and their imaginariums
- Interactions between science and society

The following Labex support these areas: ITEM and AE&CC.

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