

FACULTY OF SCIENCE AND TECHNOLOGY (FST)

Design your own academic program and career plan, benefit from advanced knowledge and technological innovations from scientific research, prepare for jobs of the future, engines of growth : the FST guides you to success !

KNOWLEDGES, SKILLS, CAREERS

Bachelor of Science (3 years)

- ▶ 10 BSc professional programs, producing employable graduates
- ▶ 20 BSc programs, preparing for postgraduate studies

A BSc degree gives opportunities for superior technician, supervisor and middle-management jobs as well as access to several examinations for public positions. BSc graduates can also apply for admission in engineering schools.

BSc programs at the FST are grouped by thematic portals ; the first 3 semesters are dedicated to the acquisition of a common scientific knowledge base, the last 3 semesters are focused on portal-specific courses. Students that have validated 2 years of higher scientific education studies can apply to the last year of the Faculty of Science and Technology BSc program.

The Faculty of Science and Technology also offers distance learning programs at graduate level : www.cvtic.unilim.fr

Master of Science (5 years)

- ▶ 6 MSc professional programs, producing employable students at engineer level,
- ▶ 4 MSc research programs, preparing for doctoral studies,
- ▶ 5 MSc general programs, preparing for higher level jobs in private or public sectors.

A MSc degree gives access to recruitment examinations for primary and secondary school teachers.

Doctoral studies (8 years)

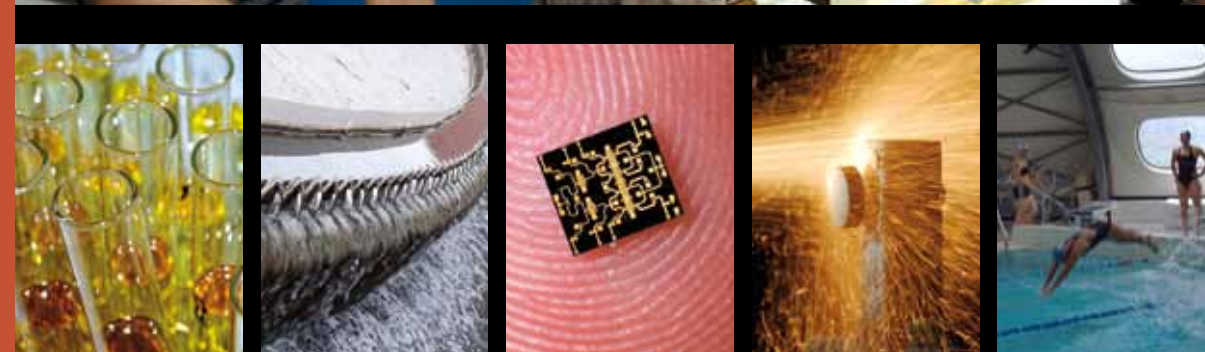
- ▶ 4 thematic PhD schools, preparing for doctoral studies in a science laboratory affiliated to the Faculty of Science and Technology, and jobs in Research and Development in private or public sectors.

HIGH-STATUS JOBS

Research and development engineer, design engineer, production engineer, project manager, consultant, academic teacher, researcher, high-level technician, engineering assistant, marketing manager and sales representative...

SECTORS OF VITAL IMPORTANCE FOR THE FUTURE

High technology, sustainable development, environment, management and coaching in sports administration, civil engineering, biotechnology, computer science and engineering, chemical industry, health sector...



AN ENVIRONMENT FOR SUCCESSFUL STUDIES

- More available teachers ▶ tutorials with at most 24 students during the first year
- Personal knowledge management coaching ▶ tutoring, referent teachers, continuous monitoring during the first year.
- Strengthened courses for the most motivated students ▶ the engineer curriculum.
- Tutoring support for students in need ▶ preparatory class for the first year.
- A smooth transition between secondary and higher education to progressively guide you to a complete autonomy, essential for professional responsibility.
- A human-sized campus in a green environment, free access to a large choice of sporting and cultural activities, 50 student associations related to sport, culture and social activities...

Combine your studies with your passions to make for a balanced life in a dynamic city !

AN INTERNATIONAL EXPOSURE

The Faculty of Science and Technology is open to the world and its environment : complete a part of your studies in a foreign country thanks to international agreements within the ERASMUS framework (study visits, professional training) or funding programs of the Limousin Region.

TEACHERS ARE ALSO RESEARCHERS

- The quality of research conducted in the 3 institutes associated to the Faculty of Science and Technology – GEIST, IPAM, XLIM – is acknowledged by major national research institutions : CNRS, INRA, INSERM.
- Our science laboratories are connected with the regional economy through 2 « pôles de compétitivité » : ELOPSYS (microwaves, photonics, secure networks, digital design) and the European Center of Ceramics.

Receive an up-to-date, quality education connected to ongoing challenges in the society, developing innovation and creativity. You'll have the chance to work with world-class researchers and share their passion for discovery through introductory research courses, research projects, lab internships, PhD theses...

DIPLOMAS IN SCIENCE AND TECHNOLOGY

Bachelor of Science ▶ 3 years

Master of Science ▶ 5 years

MASS

- Applied Mathematics for Social Sciences

Science and Engineering

- Mathematics
- Computer Science
- iXeo, engineer training in high technologies
- Energy Science
- Civil Engineering
- Physics – Chemistry
- Chemistry and Environment
- Materials Science

Life Science

- Biochemistry, Molecular and Cellular Biology, Genetics
- Cellular Biology and Physiology
- Biology and Environmental Chemistry
- Biology of Organisms and Populations
- General Biology, Earth science and Astronomy
- Biology and Medicinal Chemistry
- Medication, Health and Quality

Science and Techniques of Physical and Sports Activities

- Education and Motor Skills
- Sport Training
- Health and Physical Activities for the Disabled
- Sport Management

TIC (distance learning)

- Webmaster and Intranet Manager

Sciences and Technologies of Information and Communication

- Algorithmics, Symbolic Computation and Numerical Optimization
- Information Security and Cryptology
- Computer Science, computer graphics and graphic design
- iXeo, Electronic, Optical and Telecommunications Technologies
- Network Architecture and Technologies involved in Communications circuits

Materials Sciences

- Physics and Chemistry for high Performance Materials
- High Performance Materials Engineering

Civil Engineering

- Inspection, Maintenance and repair of Civil Installations

Chemistry, Environmental Control and Protection

- Water Quality and Treatment
- Engineering, Water Management and Environment
- Bio-molecules, Organic Synthesis, Medication and Environment
- Recycling Solutions for Agricultural and Forestry Resources

Life and Health Science

- Genetics, Physiology, Biotechnology
- Pharmaceutical Distribution
- Tropical Neuroepidemiology and Parasitology
- Biotherapy, Genomics and Biotechnology for Health
- Zoonoses and Environment

Doctoral studies ▶ 8 years



Faculté des Sciences et Techniques

123 avenue Albert Thomas
87060 Limoges Cedex
FRANCE
Phone + 33 555 457 200

www.sciences.unilim.fr

Please feel free to contact us :
communication-fst@unilim.fr
scolarite.sciences@unilim.fr



Flash code for website :
www.sciences.unilim.fr

BACHELOR OF SCIENCE PROFESSIONAL PROGRAMS

RADIO-FREQUENCY SYSTEMS AND TELECOMMUNICATIONS OPTICS

Jobs in the telecommunication systems industry. This diploma can be completed through apprenticeship training.

HOME AUTOMATION AND AUTONOMY

(located in Guéret)

Home Automation and autonomy specialists help impairment compensation and loss of autonomy reduction, associating home automation, information and communication technologies and social engineering.

DIAGNOSIS AND WATER MANAGEMENT

(in partnership with Ahun Agricultural Public School)

Home Professionals in diagnosis and water management, environmental management and aquatic environment optimisation. Most of the practical training is conducted in the field.

WATER TREATMENT

This program produces drinking water production, sanitation and waste water specialists, operational immediately thanks to practical work in the field.

ENERGY AND ENVIRONMENT

(in partnership with Turgot High School in Limoges)

Specialists in the operation of renewable energies (photovoltaics, wind energy, hydraulics).

GLOBAL MONITORING OF BREEDING AND PROCESSING OF ANIMAL BY-PRODUCTS

(in partnership with Les Vaseix Agricultural Public School)

Advisors ensuring the quality and food safety of animal by-products, from the production stage to the marketing of the final product.

GENETICS AND DEVELOPMENT OF BREEDING STRATEGIES

(in partnership with Les Vaseix Agricultural Public School)

Experts in the field of genetic improvement for breeding animals and artificial insemination.

FOREST AND TREE MANAGEMENT

(in partnership with Meymac Forestry Public School)

Professionals in the field of conservation, management and enhancement of forest heritage in rural and urban environments.

TOURISM AND SPORTS ACTIVITIES

(located in Brive)

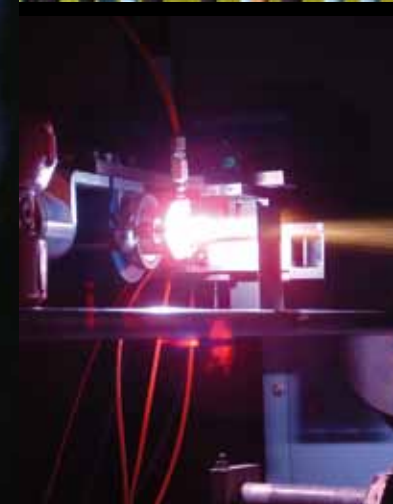
Specialists able to design, implement and supervise innovative projects to promote physical outdoor activities and cultural heritage.

ICT SERVICES (distance learning)

Project assistant manager : Internet-based services, adviser to local development decision-makers for ICT integration. The specific diploma «Assistant to the Contracting Authority» is accessible to adult continuous.

IFOAD (distance learning)

The training of distance education specialists. Technical and teaching capabilities of trainers.



THE UNIVERSITY OF LIMOGES

The University of Limoges is one of the newest in France, which undoubtedly explains its dynamic and innovative spirit.

MULTIPLE

Through the great diversity of its departments and programs (law, economics, humanities, social sciences, science, technology, medicine, pharmacology...) it has thus become a center of excellence in higher education and training.

CREATIVE

The University of Limoges is also an important and internationally recognized research center, which welcomes more than 700 researchers in internationally established disciplines.

AN ENVIRONMENT FOR SUCCESSFUL STUDIES

Recent studies show that 85% of the students are satisfied with the training. The University of Limoges promotes the success of its students by providing individually adapted guidance and tutoring. The Carrefour des étudiants (supporting students throughout their time at university, providing them with advice and careers guidance) can prepare you for entry onto the job market and can make sure you are aware of the issues involved.

INTERNATIONAL

The university of Limoges has established 156 international cooperation agreements with Europe, Africa, Asia, North and South America, Maghreb, Middle East, Australia...

INTERACTIVE

More than 100 student associations, 30 sports-related activities, a web-tv and a web-radio set the tempo for academic life.

www.unilim.fr



Faculty of Science and Technology



MATHEMATICS

COMPUTER SCIENCE

ELECTRONICS, OPTICS, PHYSICS

CHEMISTRY AND ENVIRONMENTAL PROTECTION

CERAMIC MATERIALS SCIENCE

CIVIL ENGINEERING

LIFE AND HEALTH SCIENCE

INFORMATION AND COMMUNICATION TECHNOLOGIES

SCIENCE AND TECHNIQUES OF PHYSICAL AND SPORTS ACTIVITIES

Conception : FORTIFIANT / Photos credits : University of Limoges, FST, F. Le Saux

