



## Chemistry Department



### SECTORS WHERE OUR STUDENTS CAN WORK

- Pharmaceutical industries,
- Research and Development,
- Paints,
- Cosmetics,
- Aeronautics,
- Manufacturing and Supply,
- Clinical trials,
- Water quality laboratories,
- Environmental services ...

*The multi-disciplinary foundation course completed by the undergraduate student in Chemistry at the IUT of Le Mans focuses on a scientific curriculum (Chemistry, Mathematics, IT, Physics) as well as Communication and Languages.*

*It opens up possibilities for employment as highly skilled technicians in a broad range of sectors (pharmaceutical, petroleum, forensic, food and drink industries, cosmetics, services...).*

*Firms particularly appreciate the practical abilities learnt in the labs.*

### WHAT STUDENTS LEARN

The core of the curriculum is Chemistry (Organic, Inorganic, Analytical, Chemical Engineering, General Chemistry). Lectures, tutorials and laboratories are used. Small groups tutorials are held every week, and students are introduced to laboratory skills and various experimental techniques in weekly practical works representing half of their curriculum.

They also study Mathematics, Physics, General IT and IT with specific chemistry applications.

Besides, there are lessons of Communication and English, working on the development of general knowledge, oral presentations skills and job applications.

Our programme also includes a 3-month work placement at the end of the curriculum.

### SOME EXAMPLES OF PREVIOUS ASSIGNMENTS : WHAT OUR STUDENTS COULD DO FOR YOU

#### Pharmaceuticals

- Development of new ingredients used in the production of new drugs
- Design and synthesis of novel anti cancer agents
- Automation of forced degradation

#### Aeronautics

Synthesis of new 'smart' polymers with high-tech applications

#### Textiles

Analysis of washing residue on fabrics

#### Water analysis

Establishment of a quality control system

#### Flavours and Fragrances creation

Quality control laboratory of raw materials and finished product

### ALL THESE ORGANISATIONS HAVE ALREADY TAKEN ON IUT STUDENTS AS INTERNS. WHY NOT YOU?

- BAYER, Frankfurt, Germany
- PFIZER RESEARCH, Gosport, England
- RENTOKIL, East Grinstead, England
- TILLOMED, Saint Neots, England
- SANOFI, Haverhill, England
- CLARIANT GMBH, Germany
- ROBERT GORDON UNIVERSITY, Aberdeen, Scotland

### CONTACTS

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