



# Courses in English

---

Caroline Skudder  
2018/2019





## Undergraduate level

**— L1= year 1      L2= year 2      L3= year 3**

- Business & Economics
- Computer science
- English department: English/American literature and contemporary history, didactics and Linguistics
- Human sciences
- Law
- Sciences:
  - \* biology
  - \* biology and chemistry
  - \* multi-disciplinary: physics, mechanics, chemistry
  - \* Maths and computer science
- Social sciences



# Business at the business school IAE (L3)

(all 4 ECTS)

## Semestre 1

- Organisational Behaviour
- Contemporary Economics
- Cross Cultural Management
- Team Building
- Corporate Finance
- International Marketing
- Managerial Accounting and Control
- American Century and the Rise of Giant Firms

## Semestre 2

- Business Game
- Strategic Management
- Corporate Social Responsibility
- World Economic Cycles and Value Chains
- International Business
- Budgeting and Control

# Business at the university technical institute (IUT II)

## Diploma in Business administration (L3)

### (all 3 ECTS)

#### Core subjects

##### Semester 1

- International business communication
- Entrepreneurship
- International finance
- Current marketing challenges
- Creativity tools for business
- French language for international students
- French culture

##### Semester 2

- European Culture
- Project management
- Sociology of Consumption
- Human Resources
- Finance
- economics
- Web publishing 1

#### Electives

- International management
- Business and marketing
- Communication

# Diploma in Business Administration:

## details of electives

### **International management:**

- Business innovation
- Buying for business
- International business opportunities and challenges
- Business case
- Geopolitics

### **Business and marketing:**

- Multicultural competencies: learning global dexterity
- Marketing and web marketing
- Customer relationship management

- Export marketing
- Strategic marketing

### **Communication:**

- Corporate social responsibility
- Case study
- Media
- Web publishing 1
- Intercultural communication

# Economics

## Semestre 1

- Territorial development (M1 Economie du développement parcours ETD et M1 Sciences sociales)
- Applied game theory (M1 Economie de l'environnement de l'énergie et des transports)
- Regional integration (M1 Economie du développement parcours GODI)

## Semestre 2

- Microeconomics of competitiveness ( M1 Economie de l'environnement de l'énergie et des transports)
- International macroeconomics (M1 Economie du développement)

# Professional degree in Computer networks and telecommunications (L3)

## Semester 1

360 hours tuition in the (26 ECTS) + academic project or thesis (5 ECTS),

### General courses

- Communication skills (2 ECTS)
- Project management (2 ECTS)

### Fundamental scientific and technological courses

- Computer Networks (2 ECTS)
- System administration (2 ECTS)
- Digital communications and trans. medium (3 ECTS)
- Network Security (2 ECTS)

### Specialised Scientific and technological courses

- VOIP – real time flows (1 ECTS)
  - Mobile Transmission systems (3 ECTS)
  - Security of networking infrastructures (2 ECTS)
- Advanced Computing Networks (2 ECTS)
- Wireless Networks (2 ECTS)

**Academic project** (5 ECTS)

## Semester 2

60 hours tuition in the 2nd semester (4 ECTS) + 2nd part of Academic project (1 ECTS) +work placement in a company/ research laboratory (25 ECTS)

- Introduction to Internet Legislation (2 ECTS)
- Database management systems (2 ECTS)
- Academic project audit (1 ECTS)



# English Department

- English literature L1, L2, L3 (3 ECTS each)
- American literature L1, L2, L3 (3 ECTS each)
- English contemporary history L1, L2, L3 (3 ECTS each)
- American contemporary history L1, L2, L3 (3 ECTS each)
- Heritage L1, L2, L3 (3 ECTS for L1 & L2 and 4 ECTS for L3)
- Translation classes L1, L2, L3 (3 ECTS)
  
- Didactics for English as a foreign language:
  - teaching English in primary schools L1 (3 ECTS)
  - didactics and teaching English L2 (3 ECTS)
  - creating and lesson planning L3 (3 ECTS)

# Linguistics

## Grammar and syntax

- VERBS : morphology ; tense, aspect, modality. L1-S1 (1<sup>st</sup> year, 1<sup>st</sup> semester ). 3 ECTS
- THE NOUN PHRASE : morphology, syntax, semantics. Determiners. Compound nouns. L1-S2 (1<sup>st</sup> year, 2<sup>nd</sup> semester). 3 ECTS
- SYNTAX I. Category and function. Canonical clause structures. Subordination (introduction). L2- S3 (2<sup>nd</sup> year, 1<sup>st</sup> semester). 1.5 ECTS
- SYNTAX II. Coordination and subordination. Information packaging in the clause: passive voice, existential structures, clefts. L2-S4 (2<sup>nd</sup> year, 2<sup>nd</sup> semester). 1.5 ECTS

## Phonetics

- The International Phonetic Alphabet (for English): vowels and consonants. Difference between spelling and pronunciation : homographs, homophones, silent letters. L1-S1 : 2 ECTS
- IPA (continued). Stress patterns (grammatical words, polysyllabic words, prefixes and suffixes). L1-S2 : 2 ECTS
- IPA review. Articulatory phonetics. Phonemes and allophones. Stress patterns (continued from L1). L2-S3 : 2 ECTS
- Characteristics of spoken English: connected speech phenomena (difference between citation forms and words in context; assimilation, liaison, reduction, ...). L2-S4 : 2 ECTS

## Linguistic analysis

- Analyzing linguistic forms in context: syntactic structures vs. pragmatic function: interrogatives/questions, exclamatives/exclamation; coordination; adverbs. L2-S3 2 ECTS

## History of linguistics L3-S6 2 ECTS

# Human sciences

*(a multi-disciplinary degree in philosophy,  
history, geography and politics)*

## Semester 1

- **Shades of Humanity** *(a philosophical approach to various facets of human nature and human history)*  
L1 6 ECTS
- **Contemporary issues** *(society and territories: environmental ecology, the heritage sector, NGO activity...)* L2 6 ECTS
- **Debating in English** *(short activities and longer debates with a focus on the topic of the world of work)*  
L3 6 ECTS

## Semester 2

- **Contemporary American History** *(HISTORY)* L1 5 ECTS
- **Politics, culture and society** *(American and British systems: disrupted democracies? –social film)*  
L1 6 ECTS
- **Critical Urban Studies** *(GEOGRAPHIE)* L2 5 ECTS
- **Justice and territories** *(multidisciplinary approach to a present-day territorial issue, with a focus on historical and current aspects of post-colonial New Zealand)* L2 6 ECTS
- **Introduction to Gender Studies** *(PHILOSOPHIE)* L3 5 ECTS
- **Speeches of Social Justice** *(historical and linguistic study of speeches related to 19<sup>th</sup> and 20<sup>th</sup> century political and social movements)* L3 6 ECTS

# Law

## Diploma in Legal studies

(all courses 4 ECTS)

### Semester 1

- A historical introduction to French law
- French judicial institutions
- Public law 1
- Intellectual property law
- International law and international relations
- The European union legal system
- Legal writing and advocacy
- International contract law

### Semester 2

- History of Human rights
- International protection of human rights
- Public law 2
- Criminal litigation
- European business law
- Private international law
- Legal protection for biodiversity
- Public contract law in a comparative approach



# Chemistry and Biology (L1 and L2)

## ■ Semester 1

- Biochemistry 1
- Structure of matter (L1)
- Instrumental optics (L1)
- Cell biology 2 (L2)
- Genetics (L2)
- Chemical thermodynamics and kinetics (L2)
- Statistics and probability for life sciences (L2)

## ■ Semester 2

- Cell Biology 1 (L1)
- Organism Biology and Evolution (L1)
- General chemistry (L1)
- Computer sciences (L1)
- Electrical transport phenomena (L1)
- Biochemistry 2 (L2)
- Physiology (L2)
- Physical chemistry of aqueous solutions (L2)
- Scientific topics L2)

# Biology (L1 and L2)

## Semester 1

- Biochemistry 1
- Structure of matter (L1)
- Instrumental optics (L1)
- Computer science applied to solving problems in life and environmental sciences (L1)
- Cell biology 2 (L2)
- Genetics (L2)
- Statistics and probability for life sciences (L2)

## Semester 2

- Cell Biology 1 (L1)
- Organism Biology and Evolution (L1)
- General chemistry (L1)
- Electrical transport phenomena (L1)
- Experimental methods in biochemistry and cell biology (L1)
- Biochemistry 2 (L2)
- Physiology (L2)
- Scientific topics L2)
- Physical chemistry of aqueous solutions for biologists (L2)
- Experimental project in biology (L2)

# Physics- Mechanics- Chemistry (L1 & L2)

## Semestre 1

- Structure of matter - 6 crédits (L1)
- Computer sciences methods and programming techniques - 6 crédits (L1)
- Matrices and functions of multiple variables - 6 crédits (L2)
- Thermodynamics - 3 crédits (L2)
- Chemical thermodynamics and kinetics - 6 crédits (L2)

## •Semestre 2

- Advanced calculus - 6 crédits (L1)
- General chemistry - 6 crédits (L1)
- Electricity : AC - 3 crédits (L1)
- Geometrical optics - 3 crédits (L1)
- Oscillation and waves - wave optics - 6 crédits (L2)
- Experimental topics - 3 crédits (L2)
- Modern physics - 3 crédits (L2)
- Scientific culture - 3 crédits (L2)
- Physical chemistry of aqueous solutions - 6 crédits (L2)

# Maths and computer sciences (L1 & L2)

## Semestre 1:

- Computer science methods and programming techniques (L1):
- Automation and languages (L2)
- Series and integrals (L2)

## Semestre 2:

- Algorithms and functional programming (L1)
- Analysis (L1)
- Introduction to logic (L2)
- Software project (L2)
- Suites, function and Fourier series (L2)



# Social Sciences

## Semester 1

- **Department of Education Sciences:**
  - Games and Simulations in Vocational Training. L3 (2.5 credits)
  - Cognitive Ergonomics of Document Design, professions in the Book and Publishing Sector, M2 (4 credits)
- **Department of Maths and Informatics Applied to Human and Social Sciences**
  - AI and multi-agent systems. M1 (3 credits)
  - Software Engineering. M1 (3 credits)
  - Computational Cognitive Modelling. M1 (3 credits)
  - Theory of complex systems. M2 (3 credits)
- **Department of Psychology :**
  - Cognitive and neuropsychological tests L3 (3 credits)
  - English for psychologists L3 (3 credits)

## Semester 2

- **Department of Education Sciences:**
  - Analysis of learning technologies. L3 (4 credits)
  - English for Education Scientists. L2 or L3 (3 credits)
- **Department of Maths and Informatics Applied to Human and Social Sciences (Miashs):**
  - Formal Language and Theory of Computation. L2 (3 credits)
  - Databases. M1 (3 credits)
  - Human Computer Interaction. M1 (3 credits)
  - Logic Programming. L2 (3 credits)
- **Department of Psychology :**
  - psychopathology of emotions. L2 (2 credits)
  - Neuropsychological tests. L3 (2 credits)
  - English for Psychologists. L2 (3 credits)
- **Department of Sociology:**
  - Sociology of daily life. L2 (3 credits)
  - Ethnomethodology. L3 (4 credits)
  - English for sociologists. L2 (or M2 course) (3 credits)