



Institut Francilien de Sciences Appliquées (IFSA)

FIELD Sciences, technologies, santé

Course suitable for

Initial Education

Continuing Education

Recognition of prior learning

• How to apply :

Application eCandidat ou Etudes en France.

• Course venue :

Champs-sur-Marne

• Calendar :

Courses start in the second half of September. In L3, Students are released from teaching for the possible start of the second half of June.

• Contacts :

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For further details :

Information, Career guidance and Professional integration Department

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BACHELOR ENGINEERING SCIENCES



Génie urbain

BACHELOR L2-L3

ENTRY REQUIREMENTS

The L3 Urban Engineering course is open to students who have validated 120 ECTS (level L2) in the fields of urban engineering, engineering sciences, urban geography, urban planning, development, environment, architecture, etc. The L2 course is open to students from similar courses who have validated 60 ECTS.

YOUR FUTURE CAREER

Pursuits of studies: Master's degree in Urban Engineering, Urban Planning, Urban Programming, Civil and Urban Engineering...

BENEFITS OF THE PROGRAM

The L2 and L3 Urban Engineering course is multidisciplinary: SHS (urbaine systems, environment, urban planning, urban sociology, architecture, etc.) and SPI (Civil engineering, geotechnics, material resistance, statics, flow and fluids...). The courses are particularly open to the professional world, both through the constitution of its teaching team and through pedagogical practices (work in workshops, urban walks, study trips, etc.).

✧ APPRENDRE ✧ INVENTER ✧ COMPRENDRE

STUDY PROGRAM

Semester 3

Mathematics for SPI
Fluid mechanics
Solid mechanics
Thermodynamics
Communication
Business economics
Production management
English

Semester 4

Statistics for SPI
Technical drawing
Strength of materials
Computer science
Engineering and environmental challenges
Properties of materials and structures
Cities and Architectures
Local authorities

SEMESTER 5

TU 1 Science for engineers 1 Structures - Soil mechanics and geotechnology - Risk and safety -
TU 2 Urban techniques 1 Building processes and technology - Project management and planning - Architecture - Urban networks, facilities and services 1 -
TU 3 City practices and logistics Sociological approaches to the urban sphere - Urban public action -
TU 4 Sustainable cities Urban planning and development - Environment - Public action and local authorities -
TU 5 Modern language 1 English 1 -

SEMESTER 6

TU 1 Science for engineers 2 Fluids and flows - Calculations and statistics -
TU 2 Urban techniques 2 Urban techniques and innovations - Urban networks, facilities and services 2 -
TU 3 Cities and territories Urban development and programming - Urban planning and environmental law -
TU 4 Modern language 2 English 2 -
TU 5 Urban project
TU 6 Placement