3rd year exchange programs at ECL

2017-2018

International Relations Office

2017/01/25
2 exchange programs

• Prerequisites
  • Getting at least 180 ETCS credits or the equivalent at the home university before the beginning of the exchange program at ECL
  • B2 level in French

• 1- Whole year exchange (academic + internship) (S9-S10) 60ECTS
  September 2017 to end of September 2018
  o An academic semester : September to end of March
  o A semester of placement : Final Year Internship - Specialized work in a laboratory or in a company, 5 to 6 months, starting from early April, oral defense (last week of September)
  o Validation of the whole year exchange = DESECL (Diplôme d’Etudes Supérieures de l’ECL)

• 2- Extended semester (academic) (S9)
  6 months: September 2017 to end of February 2018
  o No internship allowed
  o 30 ECTS credits
• **Options and streams**

An **Option** is a line of business employing ECL Engineers

- **Aeronautics (AE)**: 1 stream
- **Bio-Engineering and Nanotechnologies (BIN)**: 1 stream
- **Civil Engineering and Environment (GCE)**: 3 streams
  - Structures (OUV)
  - Environment (ENV)
  - Sustainable Constructions (BD)
- **Computer Science and Communication (IC)**: 1 stream
- **Energy (EN)**: 3 streams
  - On-board Energy (EE)
  - Infrastructure Energy (EI)
  - Sustainable Constructions (BD)
- **Mathematics and Decision (MD)**: 2 streams
  - Mathematics and Risk Engineering (MIR)
  - Decision-Making for business (ADE)
- **Transportation and Traffic (TT)**: 3 streams
  - Traffic and Environment (TE)
  - Vehicles Technology (TV)
  - Sustainable and Intelligent Vehicle (VDI)

When applying, pick an option (among 7) and a stream + a profession (among 7)

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For more details, refer to our brochure: « Program du parcours électif » on the following link: [http://www.ec-lyon.fr/formation/ingenieur-generaliste](http://www.ec-lyon.fr/formation/ingenieur-generaliste)
• Professions

A Profession is a job which can be held by a young graduate in a company.

7 professions are offered:

- Business Development Engineer (IBD)
- Consulting Engineer (ICs)
- Eco-Design and Innovation Engineer (ICO)
- Operation Manager (IGO)
- Research Engineer (IRD)
- Supply Chain Engineer (ISC)
- Management of industrial and environmental risks (IMR)
When you receive the acceptance letter, please register for courses on-line.

### Curriculum

- **Scientific lessons** - 22 ECTS
  - September to December:
    - Pick 5 MoD = Modules ouverts Disciplinaire
      One of them can become compulsory depending on the Option - **2 ECTS credits** 28 hours each
    - 1 MOD « Economical and social culture»  **2 ECTS credits**
  - January to the end of March:
    - Pick 3 MoS = Modules ouverts Sectoriels
      Some of them can become compulsory depending on the Option
      - **2 ECTS credits** (28 hours each)
    - Pick the MSO = Modules Spécifiques d’Option.
      (related to your option) - A project is included
      - **4 ECTS credits** (130 hours)

- **Profession** - 6 ECTS
  - Pick 2 MoM = Modules ouverts Métier (14 Hours each)
  - Pick 1 MsM = Module spécifique Métier. The MsM related to your profession is compulsory
    - **2 ECTS credits each of them**
      Up to 130 supervised hours + Profession project

- **Foreign Language** - 2 ECTS
  - Pick a foreign language (no beginner classes available)

- **Final year Internship** - 30 ECTS
  - Position related to your Option or Profession - 5 to 6 months, in France, in a laboratory or a company
  - Written report & oral defense

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**In order to pass the DESECL, you must obtain the 60 ECTS credits**
• Curriculum

  o Scientific lessons - 22 ECTS
    - September to December:
      • Pick 5 MoD = Modules ouverts Disciplinaires
        – 2 ECTS credits (28 hours each)
      • 1 MOD « economical and social culture»
        – 2 ECTS credits
    - January to the end of February:
      • Pick 5 MoS = Modules ouverts Sectoriels
        – 2 ECTS credits (28 hours each)

  o Profession - 6 ECTS
    • Pick 2 MoM = Modules ouverts Métier
    • Pick a MsM = Module spécifique Métier, related to your profession
      – 2 ECTS credits for each of them

  o Foreign Language - 2 ECTS
    • Pick a foreign language (no beginner classes available)

  o No Internship allowed

For more details, refer to our brochure: « Programme du parcours électif » on the following link:
http://www.ec-lyon.fr/formation/ingenieur-generaliste
In addition to the whole year program, you can apply for a fee paying Master*

- MEGA: Mechanics, energetic, civil engineering, acoustics
- EEAP: Electrical engineering, process engineering
- MAIM: Mathematics and application, mathematical engineering
- Materials
- Computer Science
- SAFIR: Actuarial and financial sciences, risk engineering
- NSE: Nanoscale engineering
- ISM: Medicine and health engineering
- PAT: Psychology at work
- Public health (biostatistics)
- RISE: Quantitative economics, risks and environment
- GI: Industrial Engineering

http://www.ec-lyon.fr/formation/master/masters-recherche-professionnel

*List subject to confirmation for 2017-18
3rd year S9-S10 Schedule

September to December (14 weeks)

- Profession Lessons (3 weeks)
- 5 MOD + 2 MoM Profession (8 weeks)
- Profession Lessons (3 weeks)

January to April (11 weeks)

- 3 MoS + Option Lessons (8 weeks)
- + tests MoS (early March)
- Option Lessons (3 weeks)

April to September (5 to 6 months)

- Final Year Internship (at least 20 weeks)
- + Oral Defense
September to December (14 weeks)

Profession Lessons (3 weeks)

5 MOD + 2 MoM Profession (8 weeks)
+ MOD « Economical and social culture »

January to Mid-March

5 MoS (8 weeks)

Profession Lessons (3 weeks)

+ tests MoS (Mid-March)