

# Modeling and Development of Industrial Systems: Programmed Logic



Component  
École Nationale  
Supérieure  
d'Électrotechnique  
d'Électronique  
d'Informatique  
et des  
Télécommunications

## In brief

- > **Ametys Code:** N7AE01B
- > **Open to exchange students:** No

## Presentation

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### Objectives

Modelling sequential systems and discrete events systems.

Functional sequence modelling level. Finite State machine and Sequential Function Chart approach (SFC). Equivalent logical equations to obtain real time programmable structure executed on Programmable Logic Computer (PLC).

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### Description

lectures and tutorials

4 practical sessions for implementation, using API equipment, programming software, and various operational components.

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### Pre-requisites

Combinational logic, sequential logic, operating system, processor operation