

Industrial automation



Component

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

In brief

- **Code:** N8EE14C
- **Open to exchange students:** Yes

Presentation

Objectives

Learn how to model and program sequential logic on a processor.

Description

Modelling sequential systems with discrete events. Functional modelling and sequencing. State machines and GRAFCET (SFC Sequential Functional Chart). Equivalent logic equations and implementation of structured executable code on a single processor. PLC (Programmable Logic Computer) technology.

Pre-requisites

Combinational logic, sequential logic, operating systems, processor operation