

SEMANTIQUE ET TRADUCTION DES LANGAGES



ECTS
5 credits



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

In brief

> **Ametys Code:** N8EN10

Presentation

Objectives

Know, understand, and know how to use the techniques:

- of formalizing the semantics of programming languages and proving correctness of type checking tools and code generators ;
- construction of interpreters for programs (environment management, type checking, execution) ;
- translation for programs (abstract tree, symbol table, type checking, code generation, optimization, virtual machine).