UE Programming project (Compiler design)

Niveau d'étude
Bac +4

ECTS
3 crédits

Crédits ECTS
Echange
3.0

Composante
UFR IM2AG
(informatique,
mathématiques
et
mathématiques
appliquées)

Période de
l'année
Automne (sept.
à dec./janv.)

> **Langue(s) d'enseignement:** Anglais

> **Forme d'enseignement :** Projet personnel et professionnel

> **Ouvert aux étudiants en échange:** Oui

> **Crédits ECTS Echange:** 3.0

> **Code d'export Apogée:** GBX7MO09

Présentation

Description

The aim of this project is to develop a simple compiler. That is, a translator from a source language to a target language. The source language is a typed functional language, inspired by ML (eg. OCaml), with other features such as message-passing concurrent processes. The target language is Java. The implementation language is free, but Java is encouraged as some building blocks are provided to the student (notably a parser). The project consists in a few independent steps including a parser, code analysis (typechecking), translation to a generic intermediary language, and target code generation.

Période : Semestre 7

Infos pratiques

Contacts

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