



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Introduction To Computer Science (blended)

2122-1-E4101B003

---

#### Learning objectives

The course will introduce some concepts about the architecture of computers, hardware, software, operating systems, and software development. The course will focus on building scripts to solve problems related to dataset management. On completion of this course, students will be able to solve problems using a programming language and computing tools.

#### Contents

- Information processing
- Hardware/Software
- Software lifecycle
- Operating Systems
- Programming languages
- Variables, Conditional Instructions, Loops
- Complex Data Structures
- Files

- Functions and Procedures

## **Detailed program**

## **Prerequisites**

None

## **Teaching methods**

## **Assessment methods**

## **Textbooks and Reading Materials**

## **Semester**

## **Teaching language**

Italian

---