

COMP 250. INTRODUCTION TO COMPUTER SCIENCE.

Credits: 3

Offered by: Computer Science (Faculty of Science)

Terms offered: Fall 2025, Winter 2026

View offerings for Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Mathematical tools (binary numbers, induction, recurrence relations, asymptotic complexity, establishing correctness of programs).

Data structures (arrays, stacks, queues, linked lists, trees, binary trees, binary search trees, heaps, hash tables). Recursive and non-recursive algorithms (searching and sorting, tree and graph traversal).

Abstract data types. Object-oriented programming in Java (classes and objects, interfaces, inheritance). Selected topics.

- Restriction Note M: COMP 250 and COMP 203 cannot both be taken for credit.
- 3 hours
- Prerequisite(s): MATH 140 or equivalent. COMP 202 or COMP 204 or COMP 208 (or equivalent).
- Corequisite(s): MATH 133
- Restriction(s): Not open to students who have taken or are taking ECSE 250.

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