# Introductory Programming Courses --- Version 8/26/20

This guide provides an overview of the introductory programming courses in the DePaul School of Computing. It is intended to help students find the right first programming course for them.

## IT 130 Introductory Computing for the Web

IT 130 teaches elementary programming concepts through the development of interactive web pages. Coding languages include HTML, CSS and JavaScript (JS).

**Intended audience:** students interested in a gentle introduction to programming and a broad overview of the computing disciplines. **Prerequisites:** None

**After taking IT 130**, students may then take IT 211 (Introduction to Applied Programming --- uses Python) or IT231 (Web Development – uses JavaScript).

**Required for major in:** Information Technology (IT), Information Systems (IS), User Experience Design (UXD), Network Engineering and Security (NES). **Elective for majors in:** Computer Science (CS).

## CSC 241 Introduction to Computer Science I

CSC 241 provides an introduction to programming and computer science concepts using the Python programming language.

**Intended audience:** students without prior programming experience who are interested in a major or minor in a computing program such as computer science, cybersecurity and data science. Students who are unsure of their major or who would like to explore a range of computing topics may want to take IT 130 before taking CSC 241 or IT 211. **Prerequisites:** MAT 130 (or placement)

**After taking CSC 241**, students may then take CSC 242.

## CSC 243 Python for Programmers

CSC 243 provides an overview of programming and object-oriented concepts for students who have already completed a programming course using a high-level, object-oriented language such as Java or C++. CSC 243 uses the Python programming language. As a single, accelerated course, it provides an alternative to the CSC 241-242 sequence.

**Intended audience:** students with prior programming experience who are interested in a major or minor in a computing program such as computer science, cybersecurity and data science. CSC 243 is not intended for advanced programmers, such as those who have taken a data structures class. **Prerequisite:** successful completion (B- or higher) of one high-level programming course and MAT 130.

**After taking CSC 243**, students may then take CSC 300.

**Note:** the IT 211/212 sequence uses the Python language. It has learning outcomes similar to the CSC 241/242 sequence. Students generally should not take courses from both sequences. Consult an adviser for having a comparable course substitute for the other.

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