BME 256: Programming for Biomedical Engineering

Biomedical Engineering

Python is a powerful, object-oriented programming language to analyze complex biomedical data, uncover patterns, and drive new discoveries in health and science. This Python course provides basic concepts of Python programming, gradually advancing into essential libraries like SciPy, NumPy, Pandas, and Matplotlib, which opens new doors to solving data- driven challenges in modern biomedical research. This course covers everything from the very basics of Python programming to more advanced developments, providing students with the skills needed for research and beyond. Throughout the course, students will explore real-world applications, learning how to use Python for processing, analyzing, and interpreting biomedical data.

3 Credits

Prerequisites

- Math 261: Unified Calculus & Analytic Geometry I $target.descriptions.MinimumGrade$

Instruction Type(s)

- Lecture: Lecture for BME 256

Subject Areas

- Bioengineering and Biomedical Engineering