

Astronomy 270 : Astronomical Computing

Astronomical study and research is heavily dependent on the use of computers for analyzing data as well as communicating that data to collaborators, other scientists, and the public. We regularly carry powerful computers in our pockets, ostensibly to make telephone calls, but the normal course of education does not teach how to undertake technical tasks on the computer. In this class, students will gain proficiency in many areas required for professional proficiency in astronomy. Namely, this will include Linux use and file management using a variety of desktop managers, typesetting documents in LaTeX, construction of scientific figures, and an introduction to astronomical programming in FORTRAN and python.

Credits 1

Prerequisites

Astronomy 177, 178, or 179.