

CSC 3300: Linear Algebra for Computing

Fields, vectors and vector spaces, linear transformations, matrices and matrix algebra, eigenvalues and eigenvectors; Structures and computations in Python for these mathematical objects; Computational applications selected from data science, machine learning, computer vision, graphics, image processing, graph algorithms, quantum computing, information retrieval and web search.

Credits: 4.0

Prerequisites:

CSC 1300

CSC 1300

Program: [Computing Sciences](#)