

QUANTUM INFORMATION SCIENCE AND ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

The Quantum Information Science and Engineering minor provides the background necessary to understand general issues in quantum information science and engineering. The minor has five prescribed courses (15 credits) and several others from which students must select at least two. This selection allows the students to customize the minor to suit their needs. Students will take a set of required courses for the minor to provide the needed background in physics and math, and then customize the minor by selecting two advanced courses in their discipline or related areas that build upon the foundations provided in prescribed courses. The basics of quantum mechanics will be introduced and applied to quantum information, computing and communication. The advanced classes will go into greater depth in specific areas of interest to quantum technology.