

General Engineering

The complexity of modern engineering, physical and life sciences problems often requires a team effort that can involve professionals from several other disciplines. For students interested in interdisciplinary problem solving, the engineering science programs offer challenging educational opportunities. Students must consult with the program advisor before undertaking a course of study in any engineering science option.

B.S. in General Engineering

(120 credit minimum)

A minimum of 120 credits is required for the B.S. in Engineering Science. Of those 120 credits, at least 30 credits are in an option.

Options consist of advanced undergraduate courses that show a progression in depth of knowledge in a given area of study, culminating with a senior project or undergraduate thesis. Option courses may be from different departments, but they must comprise a coherent program of study. Specific courses required by the engineering science curriculum may be counted among the 30 credits if appropriate. An option need not be one in which NJIT offers a B.S. degree. The specific course of study for any particular option will be developed with the approval of the program director.

Courses in biological sciences are available at the adjacent Newark Campus of Rutgers University. Students who demonstrate exceptional ability may choose from offerings at the graduate level at NJIT, Rutgers-Newark, or RBHS.

General Engineering B.S. (<http://catalog.njit.edu/undergraduate/newark-college-engineering/interdisciplinary-engineering-science/bs/>)

Engineering Science Courses

ESC 310. Work Experience I. 3 credits, 3 contact hours (0;0;3).