

DOUBLE DEGREE: PHYSICS/ENGINEERING

Description of the Physics and Electrical & Computer Engineering Double Degree Program

The combined Bachelor of Science (BS) degree in Physics and BS in Electrical & Computer Engineering five year double degree program is recommended for students interested in seeking employment in industrial, governmental, or private organizations that require a strong theoretical science and applied engineering background and for those students that are seeking to continue their academic careers in either graduate school or professional/medical school.

Physics advising questions should be directed to Professor Elizabeth Stoddard (stoddarde@umkc.edu).

Student Learning Outcomes

Students graduating with a BS degree in Physics and a BS degree in Electrical & Computer Engineering will:

- Have a functional knowledge of the basic areas of physics and electrical & computer engineering.
- Be able to integrate their knowledge with critical thinking skills in order to become quantitative problem solvers.
- Be able to clearly articulate scientific information, both orally and in writing.
- Be able to effectively use the scientific literature.

Students graduating with a BS degree in Physics and a BS in Electrical & Computer Engineering will be prepared for entry into professional schools, graduate programs, or the job market for career employment.

Course Requirements for the Physics BS and Electrical & Computer Engineering BS Double Degree Program

Because of the condensed format of the program, students are strongly advised to contact the Physics undergraduate advisor (Prof. Elizabeth Stoddard (stoddarde@umkc.edu)) and the Electrical & Computer Engineering undergraduate advisor as early as possible before beginning this program.