

Program Information

Postbachelor's or Post-master's PhD in Engineering

Programs

Programs for Post-master's	Test	Credits
Aerospace	GRE	32
Biomedical	GRE	32
Computer	GRE	32
Electrical	GRE	32
Manufacturing	GRE	32
Mechanical	GRE	32
Systems	GRE	32

Applicants may apply for a PhD program in Aerospace, Biomedical, Computer, Electrical, Manufacturing, Mechanical, and Systems Engineering. Applicants who hold a bachelor's degree are eligible to apply to the postbachelor's PhD program and applicants who hold a master's degree are eligible to apply for a post-master's PhD program. Students entering the postbachelor's PhD program are required to enroll in a minimum of eight or nine graduate-level courses (see requirements below) to complete the equivalent of the MS portion of the program (with a thesis, if required by the department of admission). Postbachelor's PhD students are required to declare the MS degree upon fulfillment of the degree requirements of their department. In addition, a minimum of 32 graduate credits and the completion of a dissertation are required for the postmaster's PhD portion of the program. Postbachelor's PhD students in the Systems program are not required to declare an MS degree. Students entering the post-master's PhD program are required to enroll for a minimum of 32 graduate credits and to complete a dissertation. Detailed information dealing with requirements such as qualifying examinations and the prospectus can be found in the *PhD Programs in Engineering at Boston University Handbook*. Information for all programs listed below, including course descriptions of graduate courses (those numbered 500 and above), may be found in this bulletin.

Master of Science Program

Program	Tests*	Credits
Aerospace	GRE	32
Biomedical	GRE	36
Computer Systems	GRE	32
Electrical	GRE	32

* The official general GRE is required.

Program	Tests	Credits
Global Manufacturing	GRE or GMAT	36
Manufacturing	GRE or GMAT	36
Mechanical	GRE	32
Photonics	GRE	32
Engineering (Interdisciplinary)	GRE	32

The Master of Science is a professional degree with emphasis on advanced training in engineering science and design. Students receiving the Master of Science degree may choose to continue studies toward a doctoral degree or to enter engineering practice.

The program requires a minimum of one year of full-time study.

Master of Science in Manufacturing Engineering and Master of Business Administration (Dual Degree Program)

The combined degree program is designed to provide a balance between manufacturing engineering and operations management. The program has a requirement of 80 credit hours. Applications for the combined program may be obtained from the Graduate School of Management, 595 Commonwealth Avenue, Boston, MA 02215; E-mail: mba@bu.edu. Please indicate that the application is for the dual degree engineering/management program. Applicants for the MS/MBA degree program are required to submit the official results of the Graduate Management Admission Test (GMAT) scores (**use code P42-OL-26**). GRE scores are not required.

The program requires a minimum of two and one-half calendar years of full-time study.

Doctor of Philosophy and Doctor of Medicine (Dual Degree Program)

The combined MD/PhD degree program is conducted under the joint auspices of the School of Medicine and the College of Engineering and is designed for and open to highly qualified individuals who are strongly motivated for an education and a career in both medicine and research. The minimum entrance requirements and the prerequisite courses for the School of Medicine are the same as those for the Division of Graduate

Medical Sciences. Applications may be obtained from the School of Medicine, Admissions Office, Building L, Room 124, 715 Albany Street, Boston, MA 02118; E-mail: pkello@bu.edu. Applicants for the MD/PhD degree program are required to submit the official results of the Medical College Admission Test (MCAT) as well as of the General Graduate Record Exam (GRE).

The program requires six or seven calendar years of full-time study.

Late Entry Accelerated Program (LEAP)

The LEAP program is designed for students who have at least a bachelor's degree, but whose academic background is in the liberal arts or other nonengineering areas which does not qualify them for direct admission to the College's Master of Science programs. LEAP applicants must have completed at least one semester of college-level calculus and obtained a grade of "B" or higher to be considered for admission. A number of undergraduate courses are required of the LEAP student, depending on the specific program being sought and the educational background of the applicant. Once the course requirements are satisfied, the student advances to the master's program of choice. LEAP applications will be considered for September, January, May, or July admission. Credentials required for an application are listed under "Credentials Required" on the instruction sheet of the Application for Admission. All applicants must submit official results of the General Graduate Record Exam (GRE). International applicants should check under the appropriate heading for additional requirements. LEAP scholarship assistance is available to full-time LEAP students who demonstrate need through the Free Application for Federal Student Aid (FAFSA) and who are U.S. citizens, Permanent Residents, or refugees. Federal and private educational loan funds are available to eligible students enrolled at least half time. LEAP scholarship support is available for a maximum of seven semesters. International students are not eligible for financial aid and must present financial documentation with their application.

The program requires approximately two calendar years of full-time study.