



Please indicate your area(s) of research interest (please limit your choice to four (4) areas):

BIOMEDICAL

- Auditory Neuroscience
- Bioinformatics and Computational Biology
- Biomaterials, Tissue Engineering, and Drug Delivery
- Biomedical Nano- and Microtechnology
- Bio-Imaging and Biomedical Optics
- Cardiopulmonary Engineering
- Cell and Tissue Mechanics
- Computational Neuroscience
- Modeling of Biological Systems
- Molecular Bioengineering and Biophysics
- Neural and Neuromuscular Engineering
- Neuroscience and Neural Disease
- Synthetic Biology and Systems Biology

ELECTRICAL/COMPUTER

- Biomedical Photonics and Optics
- Biomedical Signal and Image Processing
- Biomimetic Circuits and Systems
- Computer Architecture
- Configurable Systems/FPGAs
- Control Systems and Optimization
- Cooperative Control and Autonomous Agents
- Electrical, Optical, and Magnetic Properties
- Embedded Systems
- Error-Correcting Codes and Algorithms
- Estimation

- High Performance Computing
- Instrumentation
- Machine Learning and Optimization
- Mobile Computing and Networking
- Network Information Processing
- Quantum Photonics, Imaging, and Information
- Radar Signal Processing
- Remote Sensing of Atmosphere/Ionosphere
- Solid State Materials and Devices
- Space Plasmas
- Stochastic Systems, Control, and Scheduling
- Target Recognition and Radar Signal Processing
- Vehicular Networking
- Video Sensing and Networks
- Visual Information Processing
- VLSI Circuit Design

MECHANICAL

- Acoustics, Ultrasound, and Vibrations
- Biomechanics
- Computational Science and Engineering
- Dynamics, Control, and Robotics
- Energy and Thermofluid Sciences
- Materials
- MEMS and Nanotechnology

MATERIALS SCIENCE & ENGINEERING

- Biomaterials
- Electronic and Photonic Materials
- Materials for Energy and Environment
- Nanomaterials

SYSTEMS

- Communication, Network, and Information Systems
- Control Systems, Automation, and Robotics
- Discrete Event, Hybrid, and Complex Systems
- Optimization and Algorithms
- Queuing Systems
- Production, Service, and Supply Chain Systems
- Sensor and Wireless Networks
- Transportation and Energy Systems

Specify three areas of interest associated with the department to which you are applying from the lists of research topics shown above (or other areas that are not listed).

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Please visit the website of the department to which you are applying and identify faculty with whom you may be interested in doing research. List up to three faculty members (these may include both primary faculty and joint or affiliated faculty).

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

List any faculty that you have contacted.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

**STATEMENT OF PURPOSE**

On a separate sheet, please discuss your short- and long-term professional goals and the major influences that helped shape these goals. Describe your motivation for pursuing graduate study at the College of Engineering. You may also wish to support your application by providing any comments or information that you feel are not elicited by the application form.

**RÉSUMÉ**

Please attach a résumé to this application and include any work experience.

**CURRENT COURSES**

Please attach a list of courses you are currently taking and all courses you plan to take in your final year before starting graduate school. (List course numbers and titles.)

**ACTIVITIES AND ACHIEVEMENTS**

Please list the following either on your résumé or on a separate sheet:

- Community and/or professional activities in order of their importance to you.
- Any honors, distinctions, prizes, or scholarships you have received.
- Any documents such as publications, theses, scientific or literary articles, or other creative work that could be used to support your application.

How did you hear about Boston University College of Engineering?

You should be aware that, under the provisions of the 1974 Family Educational Rights and Privacy Act, the University is authorized to disclose personally identifiable information from your educational records to approved financial aid agencies to which you have applied for aid, if access to that information is needed by those agencies to determine your eligibility for, the conditions of, and/or maintenance of aid, or to enforce terms connected with the receipt of such aid.

Boston University prohibits discrimination against any individual on the basis of race, color, religion, sex, age, national origin, physical or mental handicap, sexual orientation, or marital, parental, or veteran status. This policy extends to all rights, privileges, programs, and activities, including admissions, financial assistance, employment, housing, athletics, and educational programs. Boston University recognizes that nondiscrimination does not ensure that equal opportunity is a reality. Because of this, the University will continue to implement affirmative action initiatives that promote equal opportunity for all students, applicants, and employees. Inquiries regarding the application of this policy should be addressed to the Vice President for Human Resources, Equal Opportunity Office, 25 Buick Street, Boston, MA 02215. Phone: 617-353-4477.