Master of Science Program Planning Sheet  
Department of Electrical and Computer Engineering  
College of Engineering, Boston University

Student Name: ______________________  BU ID: ______________________

Specialization: ______________________  Email: ______________________

The MS Curriculum requires completion of at least 32 graduate-level credits, with a cumulative GPA >= 3.0, while satisfying a specialization requirement and a thesis/project requirement. The remaining credits must be graduate electives.

The specialization requirement is met by taking four structured graduate courses with grades of C or higher from a single specialization area (see the back of this sheet).

The thesis/project requirement is met by first having a research proposal approved and then successfully defending a 4-credit thesis or a 4-credit research project.

The graduate electives must be ENG graduate courses. You must obtain a grade of C or better in each graduate elective. 4 to 6 credits of courses of EC9XX are applicable towards meeting degree requirements.

### Program Form

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Sern/Year</th>
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</table>
| **GRADUATE SPECIALIZATION**  
(8-16 Credits) |         |           |
| 1.            |         |           |
| 2.            |         |           |
| 3.            |         |           |
| 4.            |         |           |
| **GRADUATE PROJECT/THESIS**  
(4 Credits) |         |           |
| 1. Research Proposal |         |           |
| 2. Thesis or Project (circle one) |         |           |
| **GRADUATE ELECTIVES**  
(12-20 Credits) |         |           |
| 1.            |         |           |
| 2.            |         |           |
| 3.            |         |           |
| 4.            |         |           |
| 5.            |         |           |

Advisor Signature: ______________________  Total Credits: ______

1Students with appropriate prerequisites may petition to use two 700-level courses to meet the specialization requirement.

**MATRICULATION YEAR FALL 2013 - SPRING 2014**
ECE MS/MEng Specialization Areas
(Courses listed as XXX stand for ENG ECXXX. See catalog for course descriptions)

COMPUTER ENGINEERING SPECIALIZATION AREAS

- Computer Communications/Networks
  505 515 521 524 534 541 544 561 715 724 725 727 733 741 744 749
- Hardware
  513 527 535 551 561 571 580 582 713 749 752 753 757 772 782
- Software
  504 511 512 521 527 535 544 712 730 MET CS665 MET CS673
- Cyber Security
  504 521 541 CS538 CS548 CS558

ELECTRICAL ENGINEERING SPECIALIZATION AREAS

- Signal Processing and Communications
  505 515 516 517 520 702 715 716 717 719 720
- Systems and Control
  501 505 517 524 701 702 710 724 734
- Electromagnetics and Photonics
  560 563 566 568 569 570 573 591 707 731 760 762 763 764 765 770 773 777
- Solid-State Circuits, Devices, and Materials
  571 574 575 577 578 579 580 582 770 771 772 774 775 777 782
- Bioelectrical\(^2\)
  505 516 520 571 580 582 716 717 720 772 782 765

PHOTONICS SPECIALIZATION AREAS

- Photonic Materials and Devices
  560 574 575 591 760 771 774 777
- Fiber Optics and Optical Communications
  560 563 568 591 760 770
- Lasers and Applications
  560 569 570 591 760 762 763 764 765 773

\(^2\) If the Bioelectrical Specialization Area is selected, two of the graduate electives for the MS degree must be ENG BE 5XX or ENG BE 7XX.