## Master of Science Program Planning Sheet

Department of Electrical and Computer Engineering  
College of Engineering, Boston University

Student Name: ______________________  BU ID: ______________________

Academic Advisor: ______________________  Email: ______________________

The MS Curriculum requires completion of at least 32 graduate-level credits, with a cumulative GPA \( \geq 3.0 \), while satisfying (1) a specialization requirement and (2) a thesis/project requirement. The remaining credits must be graduate electives.

The **specialization requirement** is met by taking structured courses with grades of C or higher from a single specialization area (see the back of this sheet) in one of two ways:

1. Take two 700-level courses (8 credits) from a single specialization area **OR**
2. Take four graduate courses (16 credits) from a single specialization area.

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. Graduate-level electives may include at most 4 credits of courses at the 9XX level.

### Program Form

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Sem/Year</th>
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<tbody>
<tr>
<td><strong>GRADUATE SPECIALIZATION</strong> (8–16 Credits)</td>
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<td><strong>GRADUATE PROJECT/THESIS</strong> (4 Credits)</td>
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<tr>
<td>1. Research Proposal</td>
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<td>2. Thesis or Project (circle one)</td>
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<td><strong>GRADUATE ELECTIVES</strong> (12–20 Credits)</td>
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Advisor Signature: ______________________  Total Credits: ____
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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
  505 515 524 534 541 544 561 715 724 725 727 733 741 744 749
- Hardware
  513 535 551 561 571 580 582 713 749 751 752 753 757 772 782
- Software
  504 511 512 518 535 544 712 726 728 730

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*
  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

*If the Bioelectrical Specialization Area is selected, two of the graduate electives for the MS or MEng degree must be ENG BE SXX or ENG BE 7XX.