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 >= 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

	Course Number	Credits	Sem/Year
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: _____

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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 5XX or ENG BE 7XX.