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 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. 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: _____

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

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BOSTON UNIVERSITY

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

- 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*

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 degree must be ENG BE 5XX or ENG BE 7XX.