Master of Engineering Program Planning Sheet

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

Student Name: _____ BU ID: _____

Specialization: _____ Email: _____

The MEng Curriculum requires completion of at least 32 graduate-level credits, with a cumulative GPA >= 3.0, while satisfying a *specialization 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).[1]

The graduate electives are ECE graduate courses, non-ECE ENG graduate courses or CAS graduate courses in scientific/technical areas. You must obtain a grade of C or better in each graduate elective. 4 to 6 credits of EC9XX are applicable toward meeting degree requirements. Students may also explore graduate electives that embrace technical project management, entrepreneurship, or leadership development.[2]

Program Form

	Course Number	Credits	Sem/Year
Graduate Specialization (8-16 Credits)	1._____	_____	_____
	2._____	_____	_____
	3._____	_____	_____
	4._____	_____	_____
Graduate Electives (12-20 Credits)	1._____	_____	_____
	2._____	_____	_____
	3._____	_____	_____
	4._____	_____	_____
	5._____	_____	_____
	6._____	_____	_____

Advisor Signature: _____ Total Credits: _____

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

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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
  505 515 521 524 534 541 544 561 715 724 725 727 733 741 744 749
· 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[3]
  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]*Allowed graduate electives in Leadership, Entrepreneurship and Project Management: ENG EC 518 Project Management for Software-Intensive Systems, ENG EK 730 Technology Commercialization, ENG ME 502 Intellectual Assets: Creation, Protection, and Commercialization, ENG ME 525 Technology Ventures, GSM SI 839 Design and Innovation Strategy, GSM SI 852 Starting New Ventures, GSM SI 855 Entrepreneurship, GSM SI 871 Strategies for Bringing Technology to Market. Other technology leadership courses from GSM may also be allowed as graduate electives provided that prior approval is obtained from the ECE Grad Chair.*

[3]*If the Bioelectrical Specialization Area is selected, two of the graduate electives for the MEng degree must be ENG BE 5XX or ENG BE 7XX.*