

Boston University College of Engineering
Department of Electrical and Computer Engineering
MEng Photonics Program Planning Sheet



Student Name: _____
 Academic Advisor: _____
 Advisor Signature: _____

Email: _____
 BU ID: _____
 Date: _____

Master of Engineering in Photonics (MEng PS) students must take 32 credits (500-level or above). The specific coursework requirements for the MEng PS degree are as follows: At least 24 credits must be structured coursework in ECE; 16 credits (4 courses) must be taken in one of the ECE concentration areas listed below. In addition, students also need to satisfy the advanced technical course requirement by taking at least two 700-level ECE courses. Students may take 4 credits of 900-level coursework (project, research, or directed study); 900-level credit may count towards the concentration requirement but *not* as an advanced technical elective. The remainder of the 32-credit requirement may be met through graduate technical electives, which include all courses at the 500-level or above in ENG, as well as courses in the following CAS departments: astronomy, biology, chemistry, cognitive and neural systems, computer science, mathematics, and physics (CAS courses require advisor approval and an approved petition). **Note: Students are encouraged to explore graduate technical electives that embrace technical project management, entrepreneurship, or leadership development; some of these courses include: 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 851 Entrepreneurship, GSM SI 852 Starting New Ventures, GSM SPI 853 Entrepreneurial Management.**

MEng PS students must maintain a cumulative GPA of 3.00 to remain in good academic standing. All graduate courses taken are calculated into the student's GPA. Grades of "C-" or lower are not acceptable for the MEng PS degree. Up to 8 credits of coursework may be transferred from other approved graduate schools.

Program Form

	Course: _____	Sem/Year: _____	Grade: _____
Concentration Area	Course: _____	Sem/Year: _____	Grade: _____
Courses	Course: _____	Sem/Year: _____	Grade: _____
(Select four courses from one of the concentration areas below)	Course: _____	Sem/Year: _____	Grade: _____
	Course: _____	Sem/Year: _____	Grade: _____
Advanced Technical Electives (700-level)	Course: _____	Sem/Year: _____	Grade: _____
	Course: _____	Sem/Year: _____	Grade: _____
Graduate Technical Electives	Course: _____	Sem/Year: _____	Grade: _____
	Course: _____	Sem/Year: _____	Grade: _____
	Course: _____	Sem/Year: _____	Grade: _____
	Course: _____	Sem/Year: _____	Grade: _____

Concentrations

Photonic Materials and Devices
 ENG EC 560 Introduction to Photonics
 ENG EC 570 Lasers
 ENG EC 574 Semiconductor Materials
 ENG EC 575 Semiconductor Devices
 ENG EC 577 Electrical Properties of Materials
 ENG EC 591 Photonics Laboratory I
 ENG EC 760 Advanced Topics in Photonics
 ENG EC 764 Optical Measurement
 ENG EC 770 Guided-Wave Optoelectronics
 ENG EC 771 Comp Semi Devices
 ENG EC 774 Quantum Structures and Devices
 ENG EC 777 Nano-Optics

Photonic Systems and Applications/Communications
 ENG EC 515 Digital Communication
 ENG EC 560 Introduction to Photonics
 ENG EC 563 Fiber Optic Communication Systems
 ENG EC 568 Optical Fiber Sensors
 ENG EC 569 Introduction to Subsurface Imaging
 ENG EC 570 Lasers
 ENG EK 720 Biophotonic System Design and Prototyping
 ENG EC 765 Biomedical Optics and Biophotonics
 ENG EC 770 Guided-Wave Optoelectronics