Master of Engineering Program Planning Sheet

Electrical Engineering

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

MATRICULATION YEAR FALL 2015 – SPRING 2016

PROGRAM REQUIREMENTS

1. Total of 32 credits (8 courses) at the graduate level (500-level and above) with grades of C or better.
2. A degree GPA >=3.0 for the 32 credits and a cumulative GPA of >= 3.0 for **all** credits taken while enrolled in the program.
3. 20 credits from the total of 32 credits must be EC5XX and/or EC7XX, 12 credits of which must be from the EE Core:

    Please list your 12 credits (3 courses) from the EE Core:
    - _____
    - _____
    - _____

    Please list your additional two EC5XX and/or EC7XX courses:
    - _____
    - _____

4. **GRADUATE ELECTIVES** – the remaining 12 credits outside of the Core. Graduate electives may include College of Engineering courses, School of Management courses (e.g., leadership, entrepreneurship, project management), and College of Arts and Sciences courses in technical areas (e.g., computer science, mathematics, physics, biology).
    Please list your graduate electives:
    - _____
    - _____
    - _____

5. **PRACTICUM** - (select one):
    a. ☐ Directed Group Project (EC952, maximum 6 credits. These credits are also counted as technical elective credits.)
    b. ☐ Two practicum-certified ECE courses (8 credits)
       If this option is selected, please specify your two practicum-certified ECE courses (these courses may also be used in EE Core or as technical electives. Please see back of this sheet for a list of practicum-certified ECE courses.)
       - _____
       - _____

Advisor Signature: _____

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ECE MS/MEng Core[1]
(See the College of Engineering Bulletin for course descriptions)

Courses in the EE and CE Core are grouped according to sub-divisions. Please note that it is not necessary to choose more than one course from any sub-division.

ELECTRICAL ENGINEERING CORE

- **Signal Processing and Communications**
  EC503 EC505 EC508 EC515 **EC516** EC517 EC519 **EC520** EC541 **EC702** EC715 **EC716 EC717 EC719 EC720**
- **Systems and Control**
  EC501 EC505 EC517 EC524 EC701 **EC702** EC710 **EC724 EC733** EC734
- **Sensing and Information**
  EC503, **EC504,** EC505, EC508, EC515, **EC516,** EC517, **EC520, EC521, EC702,** EC715, **EC716, EC717, EC719, EC720**
- **Computational and Cyberphysical Systems**
  EC501, **EC504,** EC524, EC541, **EC544,** EC701, **EC724,** ME/SE740, ME570
- **Bioelectrical**
  EC505 **EC516 EC520** EC571 EC580 EC582 **EC716 EC717 EC720 EC772 EC782** EC765
- **Electromagnetics and Photonics**
  EC562 EC563 EC566 **EC568** EC569 EC570 EC573 EC591 EC707 EC731 EC760 EC762 **EC763** EC764 EC765 **EC770** EC773 **EC777**
- **Solid-State Circuits, Devices, and Materials**
  EC571 EC574 EC575 EC577 **EC578** EC579 EC580 EC582 **EC770 EC771 EC772** EC774 EC775 **EC777 EC782**

COMPUTER ENGINEERING CORE

- **Computer Communications/Networks**
  EC505 EC508 EC515 **EC521** EC524 EC534 EC541 **EC544** EC561 EC715 **EC724** EC725 EC727 **EC733** EC741 EC744 EC749
- **Hardware**
  EC513 **EC527 EC535 EC551** EC561 EC571 EC580 EC582 EC713 EC749 EC752 EC753 **EC757 EC772 EC782**
- **Software**
  EC504 EC511 **EC512 EC521 EC527 EC535 EC544** EC712 EC730
- **Cyber Security**
  EC504 EC521 EC541 - CAS CS538 CAS CS548 CAS CS558

[1] Practicum-certified ECE courses are indicated in bold.