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. **EE CORE** - 20 credits from the total of 32 credits must be EC5XX and/or EC7XX, 12 credits of which must be from a *single* EE Track (see EE Track Lists).

   Please list your 12 credits (3 courses) from a *single* EE Track:
   - ______________________________________________
   - ______________________________________________
   - ______________________________________________

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

4. **GRADUATE ELECTIVES** – the remaining 12 credits outside of the EE 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.)
   - ______________________________________________
   - ______________________________________________
ECE MS/MEng Tracks\textsuperscript{1}
(See the College of Engineering Bulletin for course descriptions)

**ELECTRICAL ENGINEERING Tracks**

- **Signal Processing and Communications**
  - EC505 EC508 EC515 EC516 EC517 EC520 EC541 **EC702** EC715 EC716 EC717 EC719 EC720
- **Systems and Control**
  - EC501 EC505 EC517 EC524 EC701 **EC702** EC710 **EC724 EC733** EC734
- **Sensing and Information**
  - Two courses from: EC505, EC508, EC515, **EC516**, EC517, **EC520**, **EC702**, EC715, **EC716**, **EC717**, EC719, **EC720**
  - One course from: **EC504**, **EC521**
- **Computational and Cyberphysical Systems**
  - Two courses from: EC501, EC524, EC541, EC701, **EC724**, ME/SE740, ME570
  - One course from: **EC504**, **EC544**
- **Bioelectrical**\textsuperscript{2}
  - EC505 **EC516** **EC520** EC571 EC580 EC582 **EC716** **EC717** **EC720** **EC772** **EC782** EC765
- **Electromagnetics and Photonics**
  - EC560 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 TRACKS**

- **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** **EC527** **EC535** **EC544** EC712 EC730
- **Cyber Security**
  - **EC504** **EC521** EC541 - CAS CS538 CAS CS548 CAS CS558

\textsuperscript{1} Practicum-certified ECE courses are indicated in bold.

\textsuperscript{2} If the Bioelectrical specialization is selected, two of the graduate electives must be ENG BE 5XX or ENG BE 7XX