Master of Science Program Planning Sheet  
Department of Electrical and Computer Engineering  
College of Engineering, Boston University

**MATRICULATION YEAR FALL 2014 – SPRING 2015**

The MS Curriculum requires completion of 32 ENG graduate-level credits, with grades of C or higher and a cumulative GPA $\geq 3.0$, while satisfying a specialization requirement, a practicum requirement, and a 700-level requirement.

The **specialization requirement** is met by taking four\(^1\) structured graduate courses from a single specialization area (see next page for listing).

The **practicum requirement** is met by either: a) obtaining at least 4 credits of MS Thesis (ENG EC901), or b) obtaining at least 4 credits of MS Project (ENG EC902), or c) taking two 4-credit courses with significant project components as certified by the ECE Graduate Committee (see next page for listing).

The **700-level requirement** is met by ensuring that at least 4 credits toward the MS degree are from an ENG EC7XX course.

<table>
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<tr>
<th>STUDENT NAME ________________________________</th>
<th>BU ID ________________________________</th>
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<tr>
<th>SPECIALIZATION AREA</th>
<th>________________________________</th>
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<tbody>
<tr>
<td>SPECIALIZATION COURSES</td>
<td>1) __________, 2) __________, 3) __________, 4) __________</td>
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<td>PRACTICUM COURSES</td>
<td>1) __________, 2) __________</td>
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<td>EC7XX COURSE</td>
<td>1) __________</td>
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<tr>
<td>ADDITIONAL COURSES</td>
<td>1) __________, 2) __________, 3) __________, 4) __________</td>
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<tr>
<th>TOTAL CREDITS __________</th>
<th>CUMULATIVE GPA __________</th>
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**ADVISOR SIGNATURE ________________________________**

\(^1\)Students with appropriate prerequisites may petition to use two 700-level courses to meet the specialization requirement.
MATRICULATION YEAR FALL 2014 – SPRING 2015

ECE MS/MEng Specialization Areas
(See the College of Engineering Bulletin for course descriptions)

**COMPUTER ENGINEERING SPECIALIZATION AREAS**
- Computer Communications/Networks
  - EC505 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 - MET CS665 MET CS673
- Cyber Security
  - EC504 EC521 EC541 - CAS CS538 CAS CS548 CAS CS558

**ELECTRICAL ENGINEERING SPECIALIZATION AREAS**
- Signal Processing and Communications
  - EC505 EC515 EC516 EC517 EC520 EC702 EC715 EC716 EC717 EC719 EC720
- Systems and Control
  - EC501 EC505 EC517 EC524 EC701 EC702 EC710 EC724 EC734
- 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 EC700 EC771 EC772 EC774 EC775 EC777 EC782
- Bioelectrical
  - EC505 EC516 EC520 EC580 EC582 EC716 EC717 EC720 EC772 EC782 EC765

**PHOTONICS SPECIALIZATION AREAS**
- Photonic Materials and Devices
  - EC560 EC574 EC575 EC591 EC760 EC771 EC774 EC777
- Fiber Optics and Optical Communications
  - EC560 EC563 EC568 EC591 EC760 EC770
- Lasers and Applications
  - EC560 EC569 EC570 EC591 EC760 EC762 EC763 EC764 EC765 EC773

ECE Courses with a Significant Project Component
- Computer Engineering: EC535 EC551 EC757 EC772 EC782
- Electro-Physics: EC568 EC578 EC763 EC770 EC771 EC777
- Information Sciences and Systems: EC702 EC716 EC717 EC719 EC720 EC724 EC733

*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.*