The MS Curriculum requires completion of 32 ENG graduate-level credits, with grades of C or higher and a cumulative GPA >= 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 practicum 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.

STUDENT NAME ___________________________  BU ID ___________________________

<table>
<thead>
<tr>
<th>SPECIALIZATION AREA</th>
<th>___________________________</th>
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<tbody>
<tr>
<td>SPECIALIZATION COURSES</td>
<td>1) __________, 2) __________, 3) __________, 4) __________</td>
</tr>
<tr>
<td>PRACTICUM COURSES</td>
<td>1) __________, 2) __________</td>
</tr>
<tr>
<td>EC7XX COURSE</td>
<td>1) __________</td>
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<tr>
<td>ADDITIONAL COURSES</td>
<td>1) __________, 2) __________, 3) __________, 4) __________</td>
</tr>
</tbody>
</table>

TOTAL CREDITS __________  CUMULATIVE GPA __________

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 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
- Cyber Security
  EC504 EC521 EC541 - CAS CS538 CAS CS548 CAS CS558

ELECTRICAL ENGINEERING SPECIALIZATION AREAS
- Signal Processing and Communications
  EC505 EC508 EC515 EC516 EC517 EC520 EC702 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 EC716 EC717 EC719 EC720
  EC760 EC762 EC763 EC770 EC771 EC774 EC775 EC777
- Solid-State Circuits, Devices, and Materials
  EC571 EC574 EC575 EC577 EC578 EC579 EC580 EC582 EC770 EC771 EC772 EC774 EC775 EC777
  EC782
- Bioelectrical
  EC505 EC516 EC520 EC571 EC580 EC582 EC716 EC717 EC720 EC772 EC782 EC785

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 EC774

2 ECE Courses with a significant practicum component are indicated in bold.

3 If the Bioelectrical specialization is selected, two of the graduate electives must be ENG BE 5XX or ENG BE 7XX.