

**Thomas J. Watson School of Engineering and Applied Science**

## Master of Science in Electrical Engineering (Post-Fall-2009) Proposed Course of Study / Graduation Check

STUDENT'S NAME:  BU NUMBER:

SEMESTER OF MATRICULATION:  ADVISOR'S NAME:

*At the time of declaration of candidacy (final semester) for degree, you must recheck this form.  
An incomplete record could delay your graduation.*

Course Name & Number	Credit Hrs	Sem	Yr	Instructor	Grade	Comments
<b>Specialization Courses: Choose 3 courses in one area below</b> (x in the course number represents any of 0,1,2...9) <i>Please see restrictions on back regarding EECE5x0 and EECE597 courses</i> <ul style="list-style-type: none"> <li>Computer Engineering: EECE 55x, EECE 65x, EECE 573</li> <li>Control Systems: EECE 51x and EECE 61x</li> <li>Information Assurance: EECE 527, EECE 56x and EECE 66x, , EECE657, EECE658</li> <li>Signal Processing &amp; Communications: EECE 52x, EECE 54x, EECE 62x and EECE 64x</li> <li>VLSI, Microelectronics, Electro-Optics: EECE501, EECE504, EECE53x, EECE 57x, EECE 67x</li> </ul>						
I. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
II. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
III. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
<b>Breadth Courses: Thesis Option – 2 EECE Courses in two areas other than specialization</b> <b>Project Option – 3 EECE Courses in at least two areas other than specialization</b>						
I. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
II. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
III. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
<b>Either EECE506 Math Methods in Elect. Eng. or EECE507 Math Methods in Comp. Eng:</b>						
I. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
<b>Two Electives (EECE or Non-EECE):</b> <i>Please see details on back</i>						
I. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
II. <input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
<b>MSEE Thesis (minimum 6 credits) or MSEE Project (minimum 3 credits)</b>						
EECE 599 Thesis OR EECE 598 Project	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>
EECE 599 Thesis	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 100%; height: 20px;" type="text"/>

Above course of study is academically sound \_\_\_\_\_  
Academic Advisor's Signature Date

Program Completion Approval \_\_\_\_\_  
Watson Graduate Coordinator's Signature Date

## TRANSFER CREDITS

To be acceptable for transfer credit, courses must be:

- 1) Graduate level.
- 2) Appropriate to the student's overall program.
- 3) Supported by transcript evidence of a grade of "B" or better.
- 4) Not used toward requirements for another degree.
- 5) Approved by the School and the Provost for Graduate Studies and Research.

Course Name & Number	Credits	Institution	Bing. Univ. Equivalent	Comments
I. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
II. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
III. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
IV. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Subtotal:

**Graduate Director Approval of Transfer Credit**

\_\_\_\_\_ *Graduate Director's Signature*

\_\_\_\_\_ *Date*

***In addition, an Application for Transfer Credit form (available from the Watson School Advising Office) must be signed by the Graduate Director and sent to the Graduate School for final approval.***

### **Restrictions regarding EECE5x0 courses:**

EECE 5x0 courses are cross-listed with undergraduate courses and require an additional project for graduate credit.

- No more than two of these courses may be counted toward graduation.
- EECE5x0 courses cannot be counted in the area of specialization.
- The EECE5x0 courses cannot be counted if the individual has taken a similar course as an undergraduate.
- The EECE5x0 course cannot be counted after taking a course that has the EE5x0 course as a prerequisite

### **Restrictions regarding EECE597 & EECE697 courses:**

Independent Study courses (EECE597 & EECE697) may not be used for specialization courses except in extreme cases with pre-approval by the Graduate Director. Unless the student has a very compelling pedagogical reason this will not be approved.

### **Details on Electives**

- Courses can be either ECE or certain Non-ECE graduate courses
  - ECE Graduate Course not used for other requirements
    - EECE 597 Independent Study can be used for both electives
    - Thesis, Project, and Internship credits can not be used
  - Certain Regular Graduate Courses (see the ECE Graduate Handbook for further details):
    - Courses From Other Engineering Departments
    - Courses from Math & Science Departments
    - Courses from School of Management