

# Sample Plan of Study: MS Plan B Computer Engineering Area

Rev. 3 August 2006

## **Semester 1**

|             |   |     |
|-------------|---|-----|
| EE554       | Computer Architecture                             | (3) |
| CS530       | Fault Tolerant Systems                            | (4) |
| EE450/EE451 | Digital System Design and Laboratory <sup>1</sup> | (4) |
| EE452       | Digital Computing and Networking <sup>2</sup>     | (3) |

## **Semester 2**

|             |  |     |
|-------------|--|-----|
| EE658       | Internet Engineering <sup>2</sup>              | (4) |
| EE560       | Reconfigurable Computing                       | (4) |
| EE571/EE575 | VLSI System Design and Laboratory <sup>1</sup> | (4) |
| EE674       | Heterogeneous Computing                        | (3) |

## **Semester 3**

|        |                                    |     |
|--------|------------------------------------|-----|
| EE550A | Microprocessor Based System Design | (4) |
| CS556  | Computer Security                  | (4) |

**TOTAL CREDITS**<sup>3-4</sup> (37)

## **Other Possible Courses**

|       |                                      |     |
|-------|--------------------------------------|-----|
| CS414 | Object Oriented Design               | (4) |
| CS557 | Advanced Networking and the Internet | (4) |

## NOTES:

1. The prerequisites for EE571/EE575 are EE450 and EE451. Incoming students who have not taken equivalent courses need to take EE450 and EE451 in Semester 1.
2. The prerequisite for EE658 is EE452. Incoming students who have not taken an equivalent course need to take EE452 in Semester 1.
3. This sample plan contains 37 credits of regular coursework. Only 32 credits are required for M.S. Plan B.
4. We recommend that students take no more than 3 courses each semester, especially in the first semester.