Option 3: Professionally-oriented Bx/MS for non-CS Majors
Requirements Checklist

Five Core Courses

For each item, circle the relevant course number and add the quarter the course was/will be taken.

Discrete Math (CMSC 27100, CMSC 37110 or MPCS 50103) or Core Programming (MPCS 51036, MPCS 51040 or MPCS 51100)

Algorithms (CMSC 27200, CMSC 37000, or MPCS 55001)

Choose three of:

- Computer Architecture (CMSC 22200, CMSC 32200, or MPCS 52010)
- Operating Systems (CMSC 23000, CMSC 33000, or MPCS 52030)
- Advanced Operating Systems (CMSC 33100)
- Networks (CMSC 23300, CMSC 33300, or MPCS 54001)
- Data Intensive Computing Systems (CMSC 33520)
- Introduction to Databases (CMSC 23500, CMSC 33550, or MPCS 53001)
- Introduction to Computer Graphics (CMSC 23700 or CMSC 33700)
- Scientific Visualization (CMSC 23710 or CMSC 33710)
- Introduction to Computer Systems (MPCS 52011)
- Compilers (MPCS 51300)
- Distributed Systems (MPCS 52040)
Four electives from an approved list of CMSC 2xx, CMSC 3xx, MPCS and TTIC courses

For each slot, list the relevant course number and the quarter the course was/will be taken.

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Up to two undergraduate courses may be used.

List the undergraduate courses that will be used towards the MS degree.

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