

## MS/COMPUTER SCIENCE WORKSHEET\*

Name: \_\_\_\_\_ Phone: (day) \_\_\_\_\_ (evening) \_\_\_\_\_

ID: \_\_\_\_\_ Pace E-Mail: \_\_\_\_\_

### CORE REQUIREMENTS (4-16 credits) \*\*

	Credits	Grade	Semester
CS 602 Fundamental Computer Science I Using Java	4	_____	_____
CS 604 Computer Systems & Concepts	4	_____	_____
CS 606 Fundamental Computer Science II Using Java	4	_____	_____
CS 612 Concepts and Structures in Internet Programming	4	_____	_____

### CAPSTONE COURSE OPTIONS (4-8 credits)

Students must select one from the following three options:

CS 615/CS 616 Software Engineering Seminars I & II	8	_____	_____
CS 693/CS 694 Thesis I & II	8	_____	_____
CS 691 Computer Science Project	4	_____	_____

*Students electing CS 691 are required to take an additional 4 credits of elective course work.*

### ELECTIVE COURSES (12-28 credits):

CS 600 Independent Study	1-4	_____	_____
CS 605 Programming Language Implementation	4	_____	_____
CS 607 Simulation & Computer Network Analysis	3	_____	_____
CS 615 Software Engineering Seminar I	4	_____	_____
CS 616 Software Engineering Seminar II	4	_____	_____
CS 623 Database Management Systems	3	_____	_____
CS 627 Artificial Intelligence	4	_____	_____
CS 628 Automata & Computability	3	_____	_____
CS 629 Computer Graphics	3	_____	_____
CS 630 Intelligent Agents	4	_____	_____
CS 631 Special Topics in Computer Science	3	_____	_____
CS 632 Directed Readings in Computer Science	1	_____	_____
CS 634 Computer Networking & the Internet	3	_____	_____
CS 635 Topics in Telecommunications	3	_____	_____
CS 636 Wide Area Digital Networking	3	_____	_____
CS 637 Wireless Communications	3	_____	_____
CS 638 Network Analysis & Design	3	_____	_____
CS 640 Modern Telecommunications Networking	3	_____	_____
CS 642 Network Programming & Distributed Applications	3	_____	_____
CS 644 Internet Computing with Distributed Components	3	_____	_____
CS 646 Enterprise System Integration with Web Services	3	_____	_____
CS 691 Computer Science Project	3	_____	_____
CS 693 Thesis I	4	_____	_____
CS 694 Thesis II	4	_____	_____
CS 699 Field Study	1-3	_____	_____

**Note:** Students may also select one elective from outside the computer science curriculum provided they have the necessary prerequisites and permission of their adviser

**Total Credits 36**

### REMARKS (waivers, special conditions, etc):

\_\_\_\_\_  
Program Adviser/Date

\*\*Revised curriculum effective Fall 2006

\*\*Students holding a baccalaureate in computer science may request a waiver for up to three core courses: CS602, CS 604 and CS 606. Such waived courses must be substituted with elective course work.