PACE UNIVERSITY
IVAN G. SEIDENBERG
SCHOOL OF COMPUTER SCIENCE
AND INFORMATION SYSTEMS

MS/SOFTWARE DEVELOPMENT & ENGINEERING

Name: _____ Phone: (day) _____ (evening) _____

ID: _____ Pace E-Mail: _____

PREPARATORY COURSES*		**Credits**	**Waived**	**To be Taken**
CS 606	Fundamental Computer Science II Using Java	4	_____	_____

CORE REQUIREMENTS (24 credits):			**Grade**	**Semester**
CS 615	Software Engineering Seminar I	4	_____	_____
CS 616	Software Engineering Seminar II	4	_____	_____
CS 773	Software Design Methodologies	4	_____	_____
CS 775	Software Measurements & Estimation	4	_____	_____
CS 777	Software Reliability & Quality Assurance	4	_____	_____
CS 785	Software Development Studio I	2	_____	_____
CS 786	Software Development Studio II	2	_____	_____
or				
CS 901	Software Development Thesis I	2	_____	_____
CS 902	Software Development Thesis II	2	_____	_____

RECOMMENDED ELECTIVES (12 credits):				
IS 639	Information Systems Planning & Policy	3	_____	_____
IS 825	Component Architectures for Enterprise Application Development	3	_____	_____
CS 831	Mathematical Modeling of Software Artifacts	3	_____	_____
CS 835	Data & Document Representation & Processing	3	_____	_____
CS 841	Formal Software Development	3	_____	_____
CS 845	Concurrent Software Development	3	_____	_____
CS 851	Software Validation & Verification Techniques	3	_____	_____
CS 855	E-Commerce Applications Development	3	_____	_____
CS 860	Introduction to Human Computer Interaction	3	_____	_____
CS 861	Human Factors & Usability Metrics	3	_____	_____
CS 865	Distributed Software Development	3	_____	_____
CS 870	Software Risk Management	3	_____	_____
CS 880	Software Development Process Improvement	3	_____	_____
CS 890	Topics in Software Development/HCI/Software Management	3	_____	_____
CS 896	Software Research Seminar	3	_____	_____
	Total Credits	**36**		

REMARKS (waivers, special conditions, etc):

_____
Program Adviser/Date

*Although competency in programming is required for admission into the program, any student lacking knowledge of the object-oriented paradigm will be required to take CS 606. Credits taken for the preparatory course does not count toward the degree: the grade earned, however, is computed into the student's QPA.