M.S. plan of study
Department of Physics
Virginia Commonwealth University

Each student will choose a primary adviser during the first semester of study. At the end of the first semester, the student and adviser will propose an M.S. plan of study to the Graduate Curriculum Committee. This plan will include the graduate courses and research subject matter to fulfill the student's individual career goals.

Normally, each student will select courses for their individual M.S. plan of study from the list of graduate courses in physics. The courses selected will include no fewer than nine credits of traditional physics core courses, *such as* PHYS 576 and PHYS 580, to provide a solid foundation in fundamental physics. However, students also may select graduate courses in chemistry, mathematics, computerscience and engineering, as well as from the schools of Medicine and Education, when such courses are consistent with the student's career goals.

The M.S. plan of study must be approved by the Physics Graduate Curriculum Committee. Courses taken outside this plan will not count toward the above general course requirements.

Student Name: _____

Primary Advisor Approval: _____ _____ _____
Sign Print Date

Please indicate which three courses you plan to use to satisfy the nine credit core requirement. Because not all courses are offered every year, you may wish to indicate **more than three** so that you have some options.

The following two courses are normally part of the core:

☐ PHYS571 Theoretical Mechanics (Fall) ☐ PHYS580 Quantum Mechanics (Spring)

Also recommended as part of the core are the courses:

☐ PHYS576 Electromagnetic Theory (Fall) ☐ N***A***NO570 Nanoscale Physics (Spring)

☐ PHYS641 Solid State Physics (Even-year Spring) ☐NANO650 Exp. Techniques in Nanoscience (Odd-year Fall)

With the agreement of your advisor and the Graduate Curriculum Committee, you may choose other courses to be used as part of the core. A partial list of courses sometimes used in this way is at the bottom of this form.

☐ Other (List below)

_____

_____

Approved: _____ _____
Chair, Graduate Curriculum Committee Date

PHYS573 Analytical Methods (Fall)
PHYS661 Surface and Materials Physics
CHEM510 Atomic and Molecular Structure
CHEM511 Chemical Thermodynamics and Kinetics
NANO571 Nanoscale Chemistry
NANO651 Experimental Techniques in Nanoscience (Even-year Fall)
NANO660 Theoretical Studies of Nanostructures
EGRE520 Electron Theory of Solids I
EGRE521 Advanced Semiconductor Devices