PH.D. PROGRAM PLAN

(see reverse for instructions to complete this form)

To be submitted by the first day of your 2nd term.

NAME:_____ (please print)

Previous University:_____

Degree/Year:_____

Date of Matriculation into Ph.D. Program:_____

Emphasis:_____

Special Advisory Committee (prospective research adviser + 2 other professors with one outside principal research area)**:**

Prof._____ **Prof.**_____ **Prof.**_____

Area	Course #	Course Name†	When‡
Proficiency In Applied Mathematics			
Technical Breadth If a minor area will serve as breadth, give descriptive title of minor: _____ _____			
Specialization Give descriptive title of specialization: _____ _____ _____			

† **Course Name:** Note non-Dartmouth course names with an (EC) and attach a "Course Equivalence and Credit" form.

‡ **When:** Indicate F W S or X (summer) term and year the course was or will be taken; for example, F99, W00, S01 or X02.

Signature of Student: _____ **Date:** _____

Special Advisory Committee Signatures:

_____ (research adviser) **Date:** _____

_____ **Date:** _____

_____ **Date:** _____

Action by Graduate Program Committee:

Signature of Director: _____ **Date:** _____

From the Thayer School Bulletin—Doctor of Philosophy Program Description

Course Guidelines

The foundation for doctoral work is undergraduate preparation in science, mathematics, and engineering principles. This knowledge base is traditionally strengthened and diversified at the doctoral level through a complement of graduate courses supporting breadth of knowledge in engineering and applied science, proficiency in applied mathematics, and depth of knowledge in a specialty area. For students entering the Ph.D. program with conventional undergraduate preparation in engineering (e.g. up to the BE or BS level), a typical pattern of coursework often includes 3 graduate-level courses supporting engineering science breadth, 3 graduate-level courses supporting applied math proficiency, and 4 graduate-level courses leading to depth of knowledge in a specialty, resulting in 10 graduate-credit courses. This course distribution and number are not requirements, however, but rather guidelines, as each student's background and professional interests will be evaluated individually by his or her Special Advisory Committee, and a program of study developed on that basis.

INSTRUCTIONS for completing this form: Study the PhD program requirements in the Thayer School Bulletin and prepare a tentative list of courses leading to or demonstrating proficiency in applied mathematics, engineering breadth at an advanced level, and specialization. As noted in the Bulletin, breadth may be demonstrated in a variety of ways with an appropriate complement of courses representing one of the possible vehicles. If applicable, also complete a "Graduate Course Equivalence and Credit" form for courses taken elsewhere that you would like to have considered in your program plan. Then arrange a joint meeting of your Special Advisory Committee, discuss your tentative plan and prior coursework with the Committee, and modify the plan according to their recommendations, as appropriate. Once you and your Committee are in agreement, obtain the Committee signatures and *return the form to the Office of Academic and Student Affairs by the end of your first term in residence in the PhD Program*. The plan is provisional and may be changed later with approval of your Special Advisory Committee.