

APPLIED SCIENCE (PHD IN APPLIED SCIENCE)

Return to the Department of Applied Science

Three years of full-time study and research (beyond the baccalaureate degree) at 9 credit hours per semester (or its equivalent for part-time study) is required. Thus, the minimum number of credit hours to earn a PhD in Applied Science is 54 credit hours.

Course Requirements

Code	Title	Hours
Common Core		
APSC 603	Introduction to Scientific Research I	2
APSC 604	Introduction to Scientific Research II	2
APSC 607	Mathematical and Computational Methods I	4
Select one of the following:		3-4
APSC 608	Mathematical and Computational Methods II	
APSC 651	Cellular Biophysics and Modeling	
Total Hours		11-12

Subject Area Concentration

Complete 18 credit hours (if APSC 651 Cellular Biophysics and Modeling is taken above) or 19 credit hours (if APSC 608 Mathematical and Computational Methods II is taken above) of graduate coursework in desired concentration with guidance from advisor and committee.

Dissertation

Complete 24 credit hours of APSC 800 Dissertation

Due to the different backgrounds, previous preparation, and career goals, not all Applied Science students will take the full core sequence, and a substitution for any of these courses can be approved by the Academic Progress Committee in Applied Science. However, unless otherwise exempted by the Department, students will be responsible for the material covered in the entire core.

Dissertation Requirement

The candidate must carry out a substantial original research project. The dissertation describing this research must be approved by the student's advisory committee and successfully defended in a public oral examination.

Qualifying Exam Requirement

The candidate must successfully pass a comprehensive qualifying examination designed to demonstrate competence in his or her field of study.

Exam Requirement

Oral defense of the dissertation satisfies the exam requirement.

Language Requirement

There is no foreign language requirement.

Satisfactory Progress

To be eligible to graduate, all students must achieve a cumulative grade point average of 3.0 on a 4.0 scale in all courses undertaken for graduate credit at William & Mary after admission to a degree program. A student in the Department must maintain a B average in order to remain in good standing. A student who receives a grade of C+ (2.3) or lower in a course may repeat that course one time for credit, upon approval of both the instructor of the course and the graduate director for the student's program. When such a repeat attempt is approved, the grades for both attempts will count in the cumulative GPA, but only the most recent attempt will count toward the degree. No credit toward a degree will be allowed for a course in which a student receives a grade below C (grade point = 2.0).

All requirements for the Ph.D. must be completed within seven years from the first term of enrollment in the Ph.D. program, excluding periods of approved leave and military service. For a student enrolled in a master's program in the School of Computing, Data Sciences, and Physics who subsequently advances to candidacy in the doctoral program in the same field, the terms of enrollment in the master's program will count towards the seven-year limit for the doctoral degree unless otherwise stated in the letter of admission.