

DOCTOR OF PHILOSOPHY IN THE FIELD OF SYSTEMS ENGINEERING (ONLINE)

The PhD in Systems Engineering is designed for those seeking to generate foundational and generalizable knowledge that expands the field of systems engineering as an academic and professional discipline.

REQUIREMENTS

The following requirements must be fulfilled: at least 60 credits, including 24 credits in required courses and 36 credits in research culminating a dissertation that contributes to the literature in Systems Engineering.

Code	Title	Credits
Note: Throughout the program, students must take required courses in lockstep with the cohort of students with which they matriculated		
Core requirements		
Required courses		
SEAS 8215	Uncertainty Modeling	
SEAS 8225	Computational Modeling	
SEAS 8305	Advances in Systems Engineering	
SEAS 8310	Systems Integration	
SEAS 8315	Digital Engineering	
SEAS 8398	Dissertation Development for Systems Engineering	
Research		
SEAS 8387	Dissertation Research for Doctor of Philosophy in Systems Engineering	

Additional requirements

1. To advance to the research phase, students must achieve a minimum GPA of 3.4 with no grade below *B-* at the completion of their coursework.
2. Students must be accepted to present their proposed research at an appropriate engineering professional society conference no later than the first semester of research.
3. Students must submit an article based on the results of the dissertation research to an approved, refereed scholarly journal. Credit must be given in the publication to the fact that the material is abstracted, summarized, or developed from a dissertation submitted to the George Washington University in partial fulfillment of the requirements for the Doctor of Philosophy degree. Before the candidate is permitted to

defend the dissertation, this original article must be accepted for publication.

4. Students must successfully defend their dissertation before a committee of five faculty members within five year from the start of the program. Students have a maximum of two attempts to pass their dissertation defense. When the committee is convinced of the quality and originality of the candidate’s contribution to knowledge as well as his or her mastery of the scholarship and research techniques of the field, the committee recommends the candidate for the degree of doctor of philosophy.