

ENST Ph.D. Graduate Program - Summary of Requirements				
Area of Specialization	Soil and Watershed Sciences	Ecological Technology Design	Wetland Science	Ecosyst. Health & Nat. Res. Mgmt
Ph.D. Dept Admission	M.S. Degree in a closely related field ¹ ; All admission requirements for the M.S. degree (ie Basic Science Requirement, GRE, etc).			
Grad School Requirements	12 credits of dissertation research (899); A dissertation based on original research			
ENST Core Requirements	ENST 602 - Research Principles and Methodology in Environmental Science and Technology (3 credits) ENST 702 - Communication and Professional Development in Environmental Science and Technology (2 credits) ENST 798 Graduate Seminar (2 semesters – 2 credits) Two graduate level statistics courses (from among, or equivalent to, those on approved list) ² ;			
Other ENST Requirements	Students are expected to complete a minimum of 50 credits beyond the B.S. degree (In addition to research credits 898 and 899)			
Specialization Requirements	Completion of M.S. specialization requirement plus one semester of graduate level physical chemistry or biochemistry and at least one additional graduate level course in chemistry, biochemistry, physics, mathematics, engineering, or computer science. All courses to be approved by the advisory committee.	Completion of M.S. specialization requirement plus one semester of graduate level systems modeling and one additional graduate level course in ecology, ecological design or ecological engineering. All courses to be approved by the advisory committee.	Completion of M.S. specialization requirement plus one graduate level course in modeling; two additional graduate level courses from within the areas of Ecology, Soil Science, or Hydrology. All courses to be approved by the advisory committee.	Completion of M.S. specialization requirement plus three additional graduate level courses in Ecosystem Health and Natural Resource Management. All courses to be approved by the advisory committee.

¹ In special cases, exceptional students may be admitted to a Ph.D. program without first completing an M.S. degree. These students should have an exceptional academic record and test scores and should have demonstrated significant research experience during their B.S. program (such as completion of a research based honors thesis.)

² Approved Statistics Courses:

- BIOM 601 Biostatistics I (4)
- BIOM 602 Biostatistics II (4)
- BIOM 603 Biostatistics III (4)
- BIOM 621 Applied Multivariate Statistics (3)
- GEOG606 Quantitative Spatial Analysis (3)