Graduate Student and Advisor Checklist
MASTER OF SCIENCE PROGRAM
Environmental Science and Technology

Personal Checklist
(due) Date Form

____ admitted to program
____ Advisory Committee formed (end of 2nd semester)
____ Proposed Plan of Study form in file (end of 2nd semester) ENST FORM
____ Research Proposal in file (end of 2nd semester) ENST FORM
____ Admission conditions (if any) satisfied
____ Course requirements completed:

ENST M.S. Graduate Program - Summary of Requirements

<table>
<thead>
<tr>
<th>Area of Specialization</th>
<th>Soil and Watershed Sciences</th>
<th>Ecological Technology Design</th>
<th>Wetland Science</th>
<th>Ecosyst. Health &amp; Nat. Res. Mgmt</th>
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<tr>
<td>M.S. Dept Admission</td>
<td>B.S. in related field; Undergraduate cumulative GPA of 3.0; GRE; Basic Science Requirement (a minimum of one semester of Calculus and 20 credits in Chemistry, Physics, Biology or Mathematics [beyond Calculus II]).</td>
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<td>Grad School Requirements</td>
<td>30 semester hours beyond the B.S. degree, including six hours of thesis research credit (799). Of the 24 hours required in graduate courses, at least 12 must be earned in a major area. A minimum of 12 credit hours must be earned at the 600 level or above</td>
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<td>ENST Core Requirements</td>
<td>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)</td>
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<td>Specialization Requirements</td>
<td>Twelve credits of graduate level soil science courses. The 12 credits must be earned in any four of the following five areas: soil chemistry, soil physics, soil pedology, soil biology, soil fertility. All courses to be approved by the advisory committee.</td>
<td>Six credits of graduate level courses in ecology and six credits of graduate level courses in ecological design or related engineering courses. All courses to be approved by the advisory committee.</td>
<td>Twelve (12) credits from a list of approved graduate level courses in Ecology, Soil Science and Hydrology, with a minimum of 3 credits from each of these three groups. All courses to be approved by the advisory committee.</td>
<td>Twelve (12) credits of graduate level courses, including ENST 604 (3 credits) and 9 additional credits in Ecosystem Health and Natural Resource Management. All courses to be approved by the advisory committee.</td>
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____ Application for Diploma form submitted to Grad School GRAD SCHOOL FORM
____ Thesis completed
____ Nomination of Thesis Examining Committee form submitted to Grad School (cc ENST) GRAD SCHOOL FORM

1 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)

2 Approved Courses for Wetland Science Specialization
Ecology
    ENST 650 Wetland Ecology (3) ENST 6xx Created and Restored Wetlands (3)
    ENST 460 Wildlife Management (3) BSCI 464 Microbial Ecology (3)
    BSCI 460 Plant Ecology (3) MEES 610 Land Margin Interactions (4 credits)
    PLSC 400 Environmental Plant Physiology MEES 611 Estuarine Systems Ecology (3 credits)
    MEES 645 Ecology and Management of Wetland and Submersed Aquatic Vegetation Systems (3)
Soils
    ENST 430 Soil Science (3)
    ENST 421 Soil Chemistry (4)
    ENST 721 Advanced Soil Chemistry (3)
    ENST 414 Soil Morphology, Genesis, and Classification (4)
Hydrology
    ENST 417 Soil Hydrology and Physics (3)
    ENCE 431 Hydrologic Engineering (3)
    ENCE 432 Ground Water Hydrology (3)
    ENCE 630 Environmental and Water Resource Systems I (3)
    GEOL 451 Groundwater Geology (3)
    GEOL 452 Watershed and Wetland Hydrology (3)
    GEOL 652 Advanced Watershed and Wetland Hydrology (3)

**As part of the continued reorganization of the ENST department, these courses are being reorganized and will also be offered at the 600 level
_____ Approved Program for the Master of Science form submitted to Grad School (cc ENST)    GRAD SCHOOL FORM
_____ Final examination held
_____ Report of Examining Committee form submitted to Grad School (cc ENST)    GRAD SCHOOL FORM Form sent to advisor from Grad School
_____ ENST Committee Report Form returned to dept.    ENST FORM
_____ Signed thesis submitted to Grad School
_____ Thesis copy (pdf) submitted to ENST Grad. Coordinator for student file on MEGS
M.S. PLAN OF STUDY
Environmental Science and Technology

Candidate: _____________________________  Student Number: _____________________________

Check Current Program: _____ Soil & Watershed Sciences
_____ Ecological Technology Design
_____ Wetland Science
_____ Ecosystem Health and Natural Resources Management

I. Admission Requirements: (Check if completed)
   _____ a. Calculus (1 semester)
   _____ b. Basic science (20 credits) (Chem., Biochem., Physics, Biol, Math beyond Calculus)
   _____ c. Other provisions: (if any) ____________________________________________________

II. Course Requirements (List course number; must be 400 level or higher.):

   A. All candidates must complete these courses:
      _____ a. ENST798 Seminar -- 2 Credits (Entrance and Exit)
      _____ b. ENST799 Research -- 6 Credits
      _____ c. ENST602 -- 3 Credits
      _____ d. ENST702 -- 2 Credits
      _____ e. One approved graduate level course in statistics -- 3 Credits
      _____ f. 600+ level courses – total of 12 credits or more

   B. Soil & Watershed Sciences Candidates
      _____ a. Twelve credits of graduate level soil science courses. The 12 credits must be
          earned in any four of the following five areas: soil chemistry, soil physics, soil pedology,
          soil biology, soil fertility.

   C. Ecological Technology Design Candidates
      _____ a. Six credits of graduate level courses in ecology
      _____ b. Six credits of graduate level courses in ecological design or related engineering
          courses.

   D. Wetland Science Candidates
      _____ a. Twelve (12) credits from a list of approved graduate level courses in Ecology, Soil
          Science and Hydrology, with a minimum of 3 credits from each of these three groups.

   E. Ecosystem Health & Natural Resources Management Candidates
      _____ a. Twelve (12) credits of graduate level courses, including ENST604 (3 credits) and 9
          additional credits in Ecosystem Health and Natural Resource Management. All courses to be
          approved by the advisory committee.
III. List by semester all course work completed and planned for the M.S. degree. All M.S. programs must have a minimum of 12 credits of 600+-level courses and a minimum total of 30 credits of 400+-level courses beyond the B.S. degree (of which, no more than 6 credits of 799 can be included among the 30).

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<tr>
<th>Year</th>
<th>Semester</th>
<th>Course No.</th>
<th>Title</th>
<th>Credit</th>
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Approved: ____________________________ Advisor

______________________________ Member, Advisory Committee

______________________________ “ “ “ “

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Date ____________________________

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3 Research credits (ENST799) do not count toward the 12 credits of 600+ level courses.
RESEARCH PLAN/PROPOSAL COVER PAGE
Environmental Science and Technology

Candidate: ____________________________  Student Number: _______________________

Check Current Program: _____ M.S.   _____ Ph.D.

_____ Soil & Watershed Sciences
_____ Ecological Technology Design
_____ Wetland Science
_____ Ecosystem Health and Natural Resources Management

Title: _________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Indicate whether or not the project involves any of the following:

__ Yes  __ No  Human subjects
__ Yes  __ No  Animal subjects
__ Yes  __ No  Radioactive materials
__ Yes  __ No  Genetically engineered organisms
__ Yes  __ No  Biological materials
__ Yes  __ No  Select Agent Toxins
__ Yes  __ No  Scientific diving
__ Yes  __ No  Boats Used in Research
__ Yes  __ No  Chemicals

(Any Yes responses may require completion of University forms or training.)

Approval: The advisory committee has reviewed the attached research proposal and feels it is appropriate and sufficient for the degree program.

1. ____________________________  4. ____________________________
   (Advisor)

2. ____________________________  5. ____________________________

3. ____________________________  6. ____________________________

ENSTForm2.doc
Environmental Science and Technology
Committee Report Form
Master of Science Candidate

Candidate: ___________________________ Advisor: ___________________________

A. Thesis Title ______________________________________________________________

B. Research (Exit) Seminar Date _______________________________________________

C. Final Oral Examination (defense) Approval: Date ______________________________
   1. _______________________________ (Committee Chair)
   2. _______________________________
   3. _______________________________
   4. _______________________________ (optional)

D. Anticipated termination date of student’s appointment _______________________

Copies of this form should go to:
1. ENST Grad Office (Tina Scites)
2. ENST Business Office (Ruth Koster)