

**WATERSHED MANAGEMENT AND ECOHYDROLOGY (WSMEH)  
GRADUATE DEGREE REQUIREMENTS**

Application Deadlines for Full Consideration of Funding Resources:  
15 August for Spring Semester and 15 January for Fall Semester

**MINIMUM ADMISSION REQUIREMENTS:**

- A Bachelor's degree
- Minimum grade point average (GPA) of 3.0 on a 4.0 scale
- Minimum score of 550 on the paper-based, 213 on the computer-based , or 79 on the internet-based Test of English as a Foreign Language (TOEFL) for all applicants whose native language is not English

**SUGGESTED PREPARATORY COURSEWORK (based on WSMEH undergraduate degree requirements):**

- 2 semesters of each biology, chemistry, and physics
- 2 semesters of calculus
- 1 semester of statistics

<b>REQUIREMENT</b>	<b>M.S. (Thesis)</b>	<b>Ph.D (Dissertation)</b>
<i>Minimum Coursework Units</i>	25 units (15 units must receive regular grades)	36 units in the major ≥ 9 units in the minor (23 units must receive regular grades)
Thesis/Dissertation Units	5	18
Minor	No minor required	Must be outside SNRE. Specific requirements are set by minor.
<b>MINIMUM TOTAL UNITS</b>	<b>30</b>	<b>63</b>
Comprehensive Committee	NA	4 Member Minimum (at least 3 tenure-track or equivalent with one in minor)
Final Committee	3 Member Minimum (at least 2 tenure-track or equivalent)	3 Member Minimum (at least 3 tenure-track or equivalent)

- Ph.D. students must have a QUALIFYING MEETING with the WSMEH Program Chair, their major advisor, and another committee member during their 1<sup>st</sup> semester to review potential transfer coursework and a draft plan of study.
- A PLAN OF STUDY must be completed in the 2<sup>nd</sup> semester for M.S. Students and in the 3<sup>rd</sup> semester for Ph.D. Students.
  - RNR 900 does not qualify toward the 25 units of required coursework for M.S. Students or the 45 units of required coursework for Ph.D. Students*
  - Students can gain credit for lab meetings, but this must be ungraded and registered for as RNR 900*
- M.S. and Ph.D. students must include a **minimum of 6 units** from the following set of courses in their PLAN OF STUDY:
  - WS M 502 Air and Water: Physics of Environmental Fluids (3 units)
  - WS M 539A Introduction to Dendrochronology (4 units)
  - WS M 552 Dryland Ecohydrology and Vegetation Dynamics (4 units)
  - WS M 560A Watershed Hydrology (4 units)
  - WS M 562 Watershed Management (3 units)
  - WS M 568 Wildland Water Quality (3 units)
  - RNR 527 Earth's Changing Carbon Cycle (3 units)
  - RNR 538 Fire Ecology (3 units)
  - RNR 548 Conservation Planning & Wildland Recreation (3 units)
  - RNR 555 Biosphere-Atmosphere Interactions (3 units)

- RNR 558 Ecosystem Ecology and a Sustainable Future (3 units)
  - RNR 575 Economic Evaluation of Water and Environmental Policy (3 units)
- M.S. and Ph.D. students must register for one seminar course per academic year. Courses numbered 595/695 or 596/696 count towards this requirement. These seminar courses do not need to be associated with an SNRE housed prefix.
- A RESEARCH PROPOSAL must be approved by their committee in the 2<sup>nd</sup> semester for M.S. Students in the Thesis Option and in the 4<sup>th</sup> semester for Ph.D. Students.
- Ph.D. Students must complete the oral and written portions of their COMPREHENSIVE EXAM in the 5<sup>th</sup> – 6<sup>th</sup> semester.