## Checklist for Water Resources Engineering Degree

To be signed by student’s advisor and submitted to Associate Director of WRE when the student files the program of study. Students must complete these to receive a WRE degree.

<table>
<thead>
<tr>
<th>Student Name</th>
<th>Degree (circle one)</th>
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<tbody>
<tr>
<td></td>
<td>MS</td>
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<tr>
<td></td>
<td>PhD</td>
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### Baccalaureate Requirements
- One year, Calculus
  - equiv: MTH 251, 252, (253 or 254)
- Applied Differential Equations
  - equiv: Math 256
- One year, Physics
- One year, Chemistry
- One year, upper division in Science

### Program Requirements

#### Water Resources Core Courses
- WR 507/607: Water Resources Seminar
  - MS: 2 Credits total
  - PhD: 3 Credits total
- WRX 505/605 Water Resources Journal Club
  - Journal club must be taken in the same term as one of the seminars
- WRP 524: Socio-technical Aspects of Water Resources
- BEE 512: Physical Hydrology
- BEE 529 BioSystems Modeling or Equivalent
- Hydraulics or Watershed Processes, various
- Additional Water Science Courses/Credits (approved by committee)
  - MS: 6 credits
  - PhD: 9 credits
- AIH-required water coursework¹ (37 credits)

#### Thesis or Research
- MS Thesis or Research (6 - 12)
- PhD Dissertation (36-45)

#### Total credits
- MS: ≥45 credits
- PhD: ≥108 credits

Signed: Student  Date:  
Signed: Major Advisor  Date:

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¹ **AIH educational criteria:** 15 cr. in Category I of the defined as courses in which 90% of the material is hydrology, hydrogeology, or water quality; 13 cr. in Category II of the AIH educational criteria, defined as courses in which 10% of the material is hydrology, hydrogeology, or water quality; and, 9 cr. in Category III of the AIH educational criteria, generally other science, water, engineering, or natural resources policy coursework.