# Checklist 1

## WATER RESOURCES ENGINEERING PROGRAM OF STUDY

To be signed by WRE representatives of student's committee and submitted with the student's program of study. Students must complete these requirements to receive a WRE degree.

**Student's Name:** _________________________________________

### Entrance Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Degree (circle one):</th>
<th>MS</th>
<th>PhD</th>
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<tbody>
<tr>
<td>One year, Calculus</td>
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<tr>
<td>One year Chemistry</td>
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<tr>
<td>One year Physics</td>
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### Program Requirements

#### Water Resources Core Courses

- WRP 507 Water Resources Seminar
- WRP 524 Socio-technical Aspects of Water Resources
- WRS 507 or WRE 507 Water Resources Seminar
  - MS: 1 Credit
  - PhD: 2 Credits
- & 1 cr. associated Journal Club WRS or WRE 505

#### Graduate Engineering Credits

- Physical Hydrology (BEE 512 or equivalent)
- Modeling Techniques (BEE 529 or equivalent)
- Hydraulics course (CE 514, CE 544 or equivalent)
  - MS, 12 Credits (above plus 3 cr. elective)
  - PhD, 15 Credits (above plus 6 cr. elective)

(CE 547 is highly recommended if not taken as an undergraduate)

#### Water Science Courses/Credits

- MS: 6 Credits
- PhD: 9 Credits

#### Thesis/Project Credits

- WRE 503 MS Thesis (6 - 12)
- WRE 506 MS Project (3 - 6)
- WRE 603 PhD Thesis (30 - 45)

#### Ethics Requirement

- Complete online course through OSU Research office
- or may take a graduate course in ethics

#### Exit Requirements (may be met at undergraduate institution)

- Professional Preparation Course (GEO 518 or equiv.)
- Meet education requirements for AIH certification

At least 3 credits of coursework in engineering design is highly recommended.

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<th>Major Advisor</th>
<th>Date</th>
<th>WRGP Director</th>
<th>Date</th>
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1. Must meet education requirements for AIH Certification, which specify that coursework must include 15 quarter credits of Category I coursework (defined as courses in hydrology, hydrogeology, or water quality); 13 quarter credits of Category II coursework (defined as courses in which at least 10% of the material is hydrology, hydrogeology, or water quality); and 9 quarter credits of Category III coursework (relevant supplemental courses, generally other science, water, engineering, or natural resources policy courses).