# Appendix A. Water Resources Science Checklist

## WATER RESOURCES SCIENCE PROGRAM OF STUDY
To be signed by WRS representatives of student's committee and submitted with the student's program of study. Students must complete these to receive a WRS degree.

Student’s Name: ___________________________________________

Degree (circle one):       MS   PhD

### Entrance Requirements
One year, Calculus
  Equiv: MTH 251, 252, (253 or 254)
One year, Physics
One year, Chemistry
One year, upper division in Science

### Program Requirements

#### Water Resources Core Courses
- WRP, WRS, or WRE 507: Water Resources Seminar
  - MS: 2 Credits total
  - PhD: 3 Credits total
- WRP, WRS, or WRE 505 Water Resources Journal Club*
- WRP 524: Socio-technical Aspects of Water Resources
- BEE 512: Physical Hydrology

**Additional Water Science Courses/Credits (approved by committee)**
- MS: to reach a total ≥45 credits
- PhD: to reach a total ≥108 credits

**Thesis Credits**
- MS Research Thesis (6 - 12)
- PhD Research Dissertation (36-45)

### Exit Requirements (may be met in part from previous institution, incl. undergraduate)
- Professional Preparation Course (GEO 518)
- AIH-required water coursework¹ (37 credits)

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<th>Major Advisor</th>
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*Journal club must be taken in the same term as one of the seminars. Students can choose to take WRP 505 and WRP 507, WRS 505 and WRS 507, or WRE 505 and WRE 507 together, and must take one (MS) or two (PhD) additional seminars, usually (but not limited to) WRP 507.

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¹ 15 cr. in Category I of the AIH educational criteria (http://aih.engr.siu.edu/hydro-certification.html) 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.