**Checklist 1 for WRE**

**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:** ____________________________________________

**Degree (circle one):**
- MS
- PhD

**Undergraduate Fundamentals**
- One year, Calculus
  - Equiv: MTH 251, 252, (253 or 254)

**Applied Differential Equations**
- Equiv: MTH 256

**One year Chemistry**

**One year Physics**

**Graduate Requirements**

**Water Resources Core Courses**
- WRX** 507: Water Resources Seminar
- WRP 524: Socio-technical Aspects of Water Resources
- BEE 512: Physical Hydrology
- WRX 507: Water Resources Seminar
- WRP 505 Journal Club

**Graduate Engineering Credits**
- Modeling Techniques (BEE 571 or equivalent)
- BEE 512: Physical Hydrology
- MS, 12 Credits
- PhD, 15 Credits

**Graduate Seminar(s) (List)**
- MS: 2 Credits
- PhD: 3 Credits

**Water Science Courses/Credits**
- MS: 6 Credits
- PhD: 9 Credits

**Thesis/Project Credits**
- MS Research Thesis (6 - 12)
- MS Project (3 - 6)
- PhD Research Dissertation (30 - 45)

**Exit Requirements** (may be met at previous institution, incl. undergraduate)
- Professional Preparation Course (GEO 518 or equiv.)
- 13 cr. water coursework
- 9 cr. supplemental coursework

**The course prefix “WRX” denotes courses that can be taken from WRS, WRE or WRP course offerings, for example seminar and journal club can be offered as WRP 505 and WRP 507 or as WRS 505 and WRS 507.**

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1 Category II of the AIH educational criteria ([http://www.aihydro.org/education.htm](http://www.aihydro.org/education.htm)), defined as courses in which 10% of the material is hydrology, hydrogeology, or water quality.

2 Category III of the AIH educational criteria ([http://www.aihydro.org/education.htm](http://www.aihydro.org/education.htm)), generally other science, water, engineering, or natural resources policy coursework.