

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

WRX 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 coursework¹

9 cr. supplemental coursework²

**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.

¹ Category II of the AIH educational criteria (<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>), generally other science, water, engineering, or natural resources policy coursework.