Water Science & Policy MS Program Requirements (Total: 30 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREG 623</td>
<td>Advanced Stormwater Management</td>
</tr>
<tr>
<td>CIEG 698</td>
<td>Groundwater Flow &amp; Contaminant Transport</td>
</tr>
<tr>
<td>GEOG 632</td>
<td>Environmental Hydrology</td>
</tr>
<tr>
<td>GEOG 656</td>
<td>Hydroclimatology</td>
</tr>
<tr>
<td>GEOG 651</td>
<td>Microclimatology (4)</td>
</tr>
<tr>
<td>GEOL 628</td>
<td>Hydrogeology</td>
</tr>
<tr>
<td>GEOL 611</td>
<td>Fluvial Geomorphology</td>
</tr>
<tr>
<td>PLSC 693</td>
<td>Soil Physics</td>
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</tbody>
</table>

Select 24 credits with at least three credits from each category.

a) Physical Sciences
- BREG 623 Advanced Stormwater Management
- CIEG 698 Groundwater Flow & Contaminant Transport
- GEOG 632 Environmental Hydrology
- GEOG 656 Hydroclimatology
- GEOG 651 Microclimatology (4)
- GEOL 628 Hydrogeology
- GEOL 611 Fluvial Geomorphology
- PLSC 603 Soil Physics

b) Chemical/Biological Sciences
- BREG 621 Nonpoint Source Pollution
- BREG 667 Watershed Hydrochemistry
- CHEM/MAST 683 Environmental Chemistry
- CIEG 632 Chemical Aspects of Environmental Engineering
- CIEG 636 Biological Aspects of Environmental Engineering
- CIEG 668 Principles of Water Quality Criteria
- GEOG 631 Watershed Ecology
- GEOG 667 Watershed Hydro-Ecology
- PLSC 608/CHEM 608 Environmental Soil Chemistry

c) Policy
- ENEP 626 Climate Change: Science, Policy and Political Economy
- GEOG 617 Seminar in Climate Change
- GEOG 649 Environment & Society
- MAST 672/ECON 670 Applied Policy Analysis
- MAST/ECON 867 Valuing the Environment
- MAST 670 US Ocean & Coastal Policy
- MAST/ECON 676 Environmental Economics
- MAST/UAPP 663 Decision Tools for Policy Analysis
- POSC 818 Environmental Politics & Policy
- UAPP 611 Regional Watershed Management
- UAPP/ENEP 617 Contemporary Issues in Environmental & Energy Policy (1)
- UAPP 628 Issues in Land Use & Environmental Planning
- UAPP 667 Field Seminar in Water Policy

d) Research Methods in Water Science & Policy
- PLSC 667 Research Methods & Topics in Water Science & Policy (2)
- PLSC 667 Interdisciplinary Seminar (1)

e) Statistics & Analysis
- CHEG 604 Probability & Statistics for Engineering Problem Solving
- FREC/STAT 608 Statistical Research Methods
- FREC 615 Advanced Prices & Statistics
- FREC/STAT 674 Applied Database Management
- FREC 807 Mathematical Programming with Economic Applications
- GEOG 671 Advanced Geographic Information Systems
- MAST 681 Remote Sensing of Environment
- MEEG 690 Intermediate Engineering Mathematics
- STAT 657 Statistics for Earth Sciences
- STAT 675 Logistic Regression
- UAPP 816 Advanced Social Statistics
- UAPP 691 Quantitative Analysis in Public & Nonprofit Sectors
- UAPP 652 Geographic Information Systems in Public Policy (1)

Directed Research Option (3) With advisor approval, MS students may opt to carry out directed research in lieu of one course within categories a, b, or c above.

Thesis (6)