

## Program Learning Outcomes Hydrology

1. Demonstrate critical thinking skills when solving complex hydrology problems.
2. Demonstrate broad knowledge of (or “explain the principles behind”) hydrology in both groundwater and surface water at multiple temporal and spatial scales.
3. Utilize mathematical skills and modeling tools to develop quantitative interpretations and solutions to hydrologic studies and problems.
4. Communicate effectively in both technical and non-technical language their hydrologic knowledge/interpretations/solutions.
5. Present hydrology issues within a global context both culturally and scientifically (global cycles).
6. Collaborate with other professionals to achieve objectives greater than they can accomplish on their own (e.g., something to do with leadership).