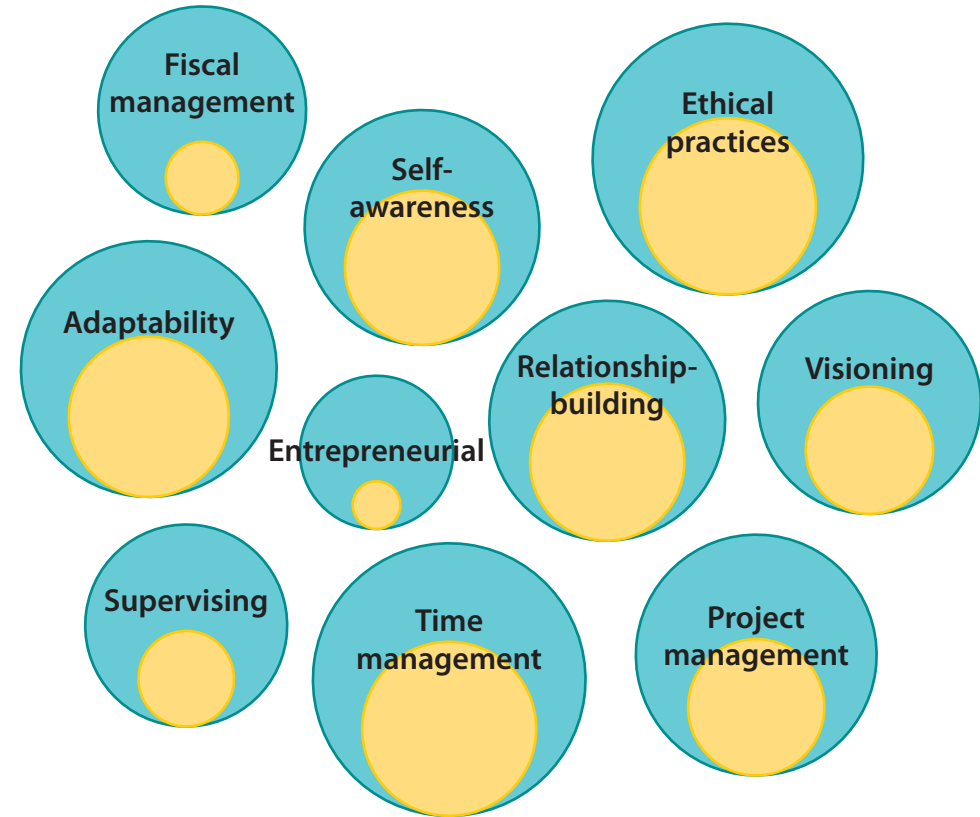
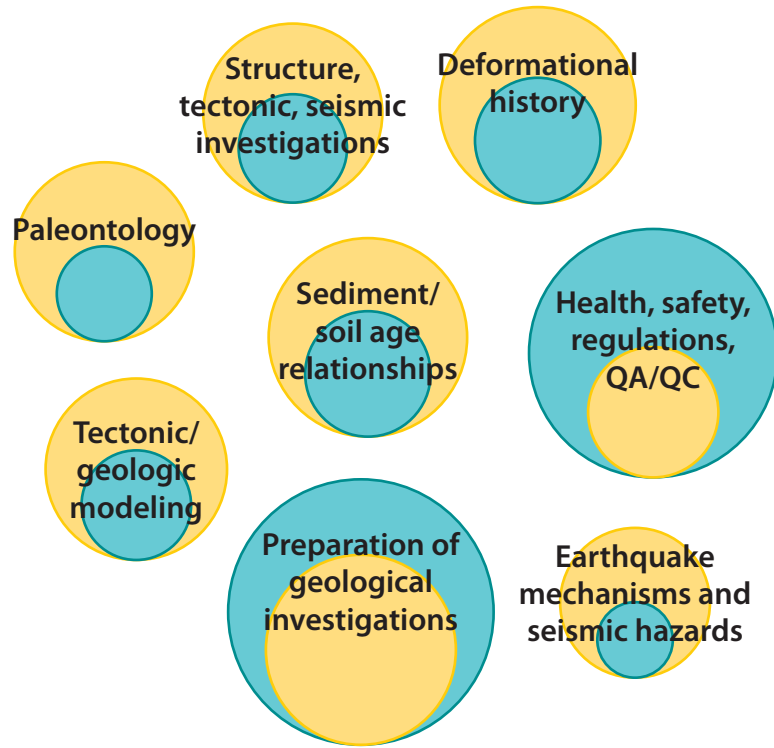


# A subset of data that highlights significant disparity between skill appraisal and student preparation

## TECHNICAL SKILLS

## GEOLOGY

## NON-TECHNICAL SKILLS



- Student preparation indicated by faculty and students (n=89)
- Importance of skill in professionals' current position (n=72)
- Diameter indicates magnitude of importance/preparation

**Data Source:** Geoscience Career Master's Preparation Survey Report, by Heather R. Houlton, American Geosciences Institute. Technical and non-technical skill names adapted from the ASBOG Task Analysis Survey, and the AAG EDGE Geography and Career Planning Survey, respectively.

The relative sizes of the circles can only be compared within the same category of either technical skills or non-technical skills. Skills selected for this graphic displayed statistically significant disparity between student preparation and rated importance, as indicated by the Geoscience Career Master's Survey Data Analysis (i.e. Larger blue circles indicate that professionals found these skills to be more important than the overall preparation of students when graduating from their Master's programs). The preparation of students was determined by aggregating data of student and faculty responses.