Geology Technical Competencies

**KEY: Faculty & Students**
- Extensively Prepared
- Adequately Prepared
- Somewhat Prepared
- Not Prepared
- Not Applicable/I don't know

**KEY: Professionals**
- Very Important
- Important
- Somewhat Important
- Not Important
- Not Applicable/I don't know

Geology Faculty: n = 58
Geology Students: n = 31
Geology Professionals: n = 72

---

**Geology Competencies 1**

- Identify and interpret structural features in geologic environments
- Geologic and structural geology
- Data and field observations

**Geology Competencies 2**

- Analyze and interpret tectonic and structural history through geologic and structural analyses
- Geologic and structural geology
- Data and field observations
Faculty were asked about the amount of preparation their Master's students receive for 36 different geology-based technical competencies. Students were asked how prepared they feel in each of these skills. Finally, non-academic professionals indicated how important each of these are to their current positions within the geoscience workforce. The content for investigating the technical geology competencies was taken from the National Association of State Boards of Geology (ASBOG) Task Analysis Survey. ASBOG is responsible for developing, writing, refining and grading the "Fundamentals of Geology" and "Practicing Geology" examinations used for state licensure. The graphs above illuminate 12 of the 36 competencies' trends.