**Geologic Computing Facilities**

The Petroleum Geology program is housed in Hurst Hall, providing students with access to 18 Dell workstations in the Geologic Computing Lab for interactive instruction.

**Industry software**
- P.R.A. - BasinMod: Petroleum systems modeling
- IHS - Petra: Well log correlation, petrophysics & mapping
- IHS - Kingdom: 2D/3D seismic interpretation
- Landmark - LithoTect: seismic depth conversion cross-section balancing
- Midland Valley 2D/3D Move - Balanced cross-section modeling 3D structural analysis, mapping and volumetrics
- Geosoft - GM-SYS: Interactive gravity and magnetics modeling
- Schlumberger - Petrel: seismic interpretation and reservoir modeling

**Diverse Geology Curriculum:**

- The Petroleum Geology Emphasis is part of a diverse geology curriculum at Western.
  - Geology Emphasis
  - Geoarchaeology Emphasis
  - Petroleum Geology Emphasis
  - Licensure in Earth-Space Science Emphasis

**Petroleum Geology: Preparation Meets Opportunity**

Western’s Petroleum Geology Emphasis:
- Provides students with a solid academic foundation
- Combines classroom and field study with current industry data analysis techniques
- Fosters professional contact with industry geoscientists
- Promotes industry internships
- Mentors students toward graduate programs

**FROM FIELD TO WORKSTATION:**

Field trips and field data collection opportunities provide students with geologic analogs and a sense of scale.

Students evaluate data from sedimentary basins in the Rocky Mountain West, Alaska, Canada, and Australia.

**“Petroleum Geology at Western is an academic adventure challenging students and emphasizing scientific fundamentals, small class sizes, and personal attention.”**