



Moving your Research to a Two-Year College

Scholarly Activity for Two-Year College Faculty

Elizabeth Nagy-Shadman
Pasadena City College

Presentation Outline

- Trends in Geoscience Education at Community Colleges
- Research - Challenges
- Research - Strategies
- Other Scholarly Activities

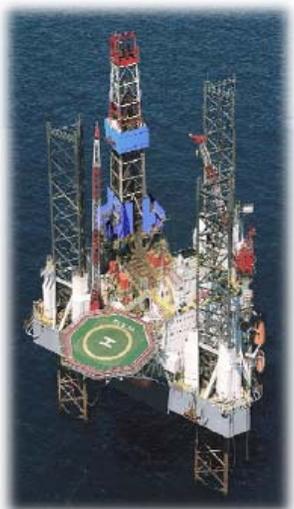
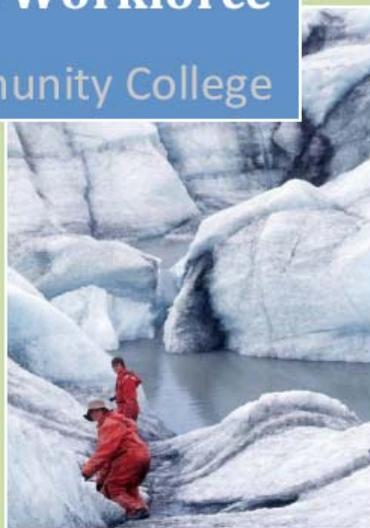
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2009

Status of the Geoscience Workforce
Chapter 1: K-12 through Community College



American Geological Institute
February 2009



Can be
downloaded at
www.agiweb.org

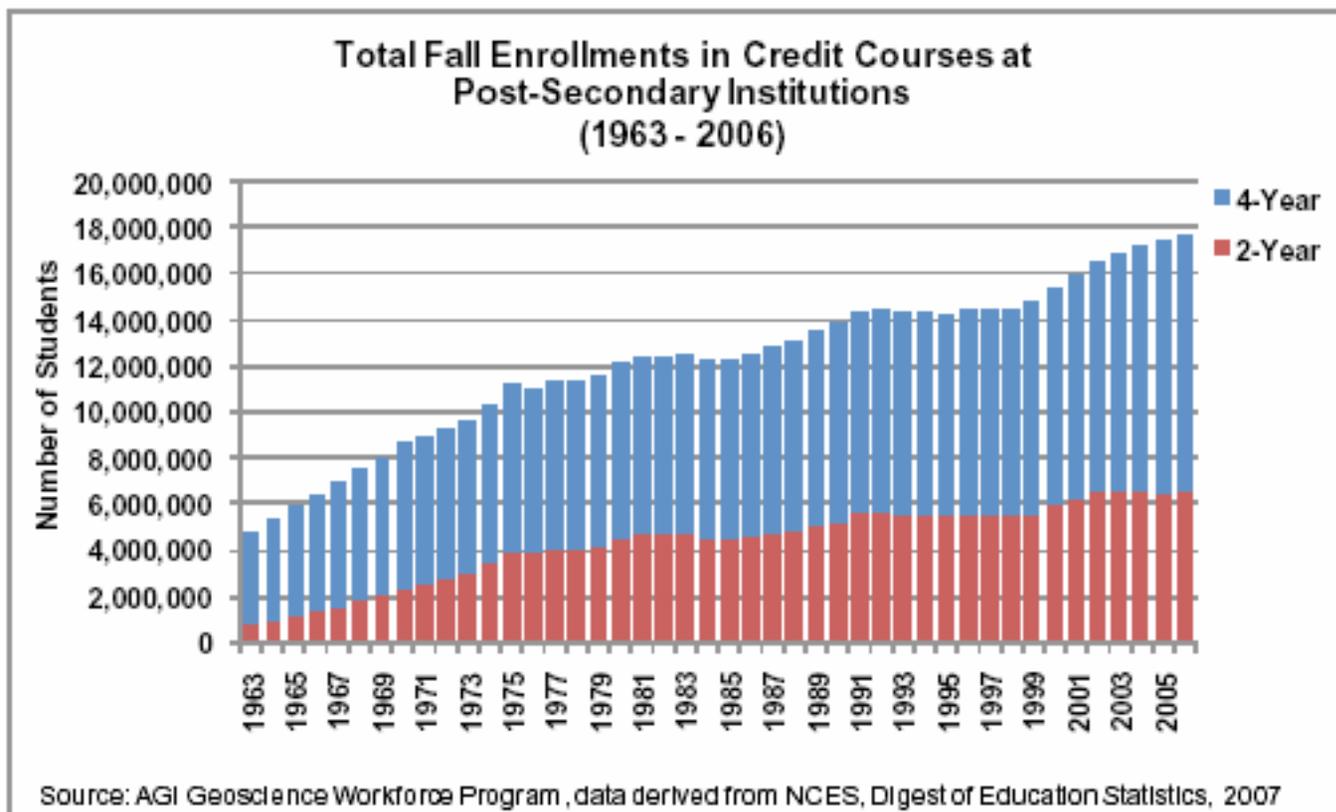


Figure 1.19: For-Credit Fall Enrollments at Post-secondary Institutions

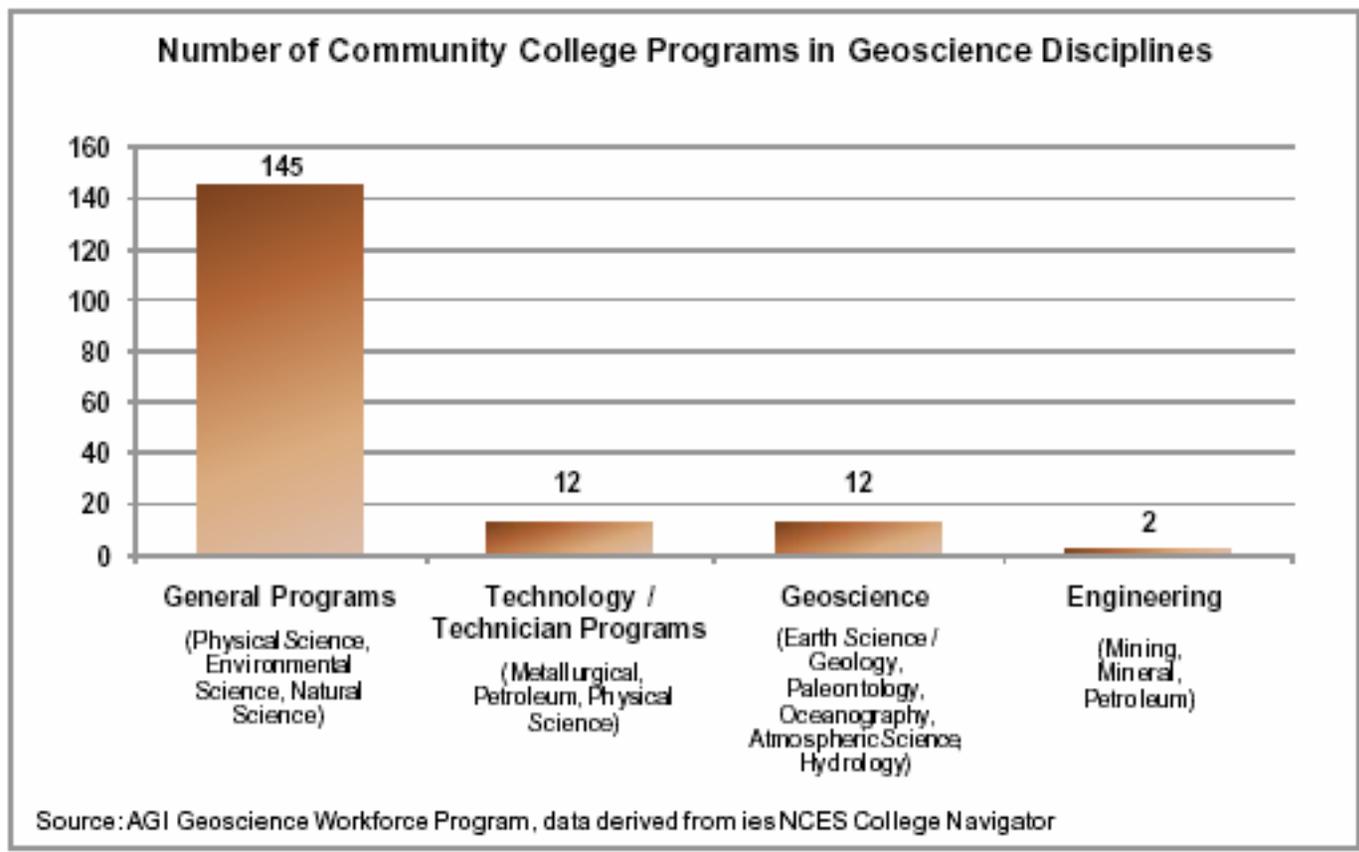
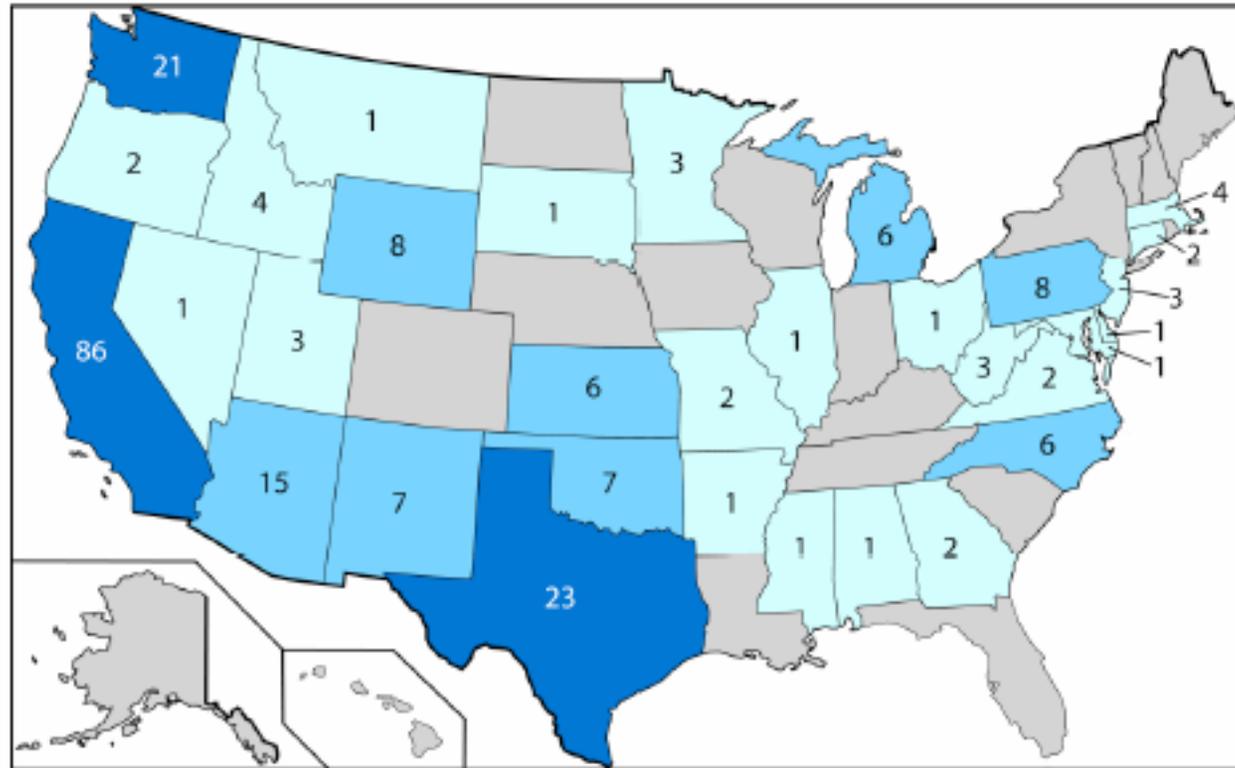


Figure 1.20: Number of Community Colleges that Offer Programs in Geoscience Disciplines

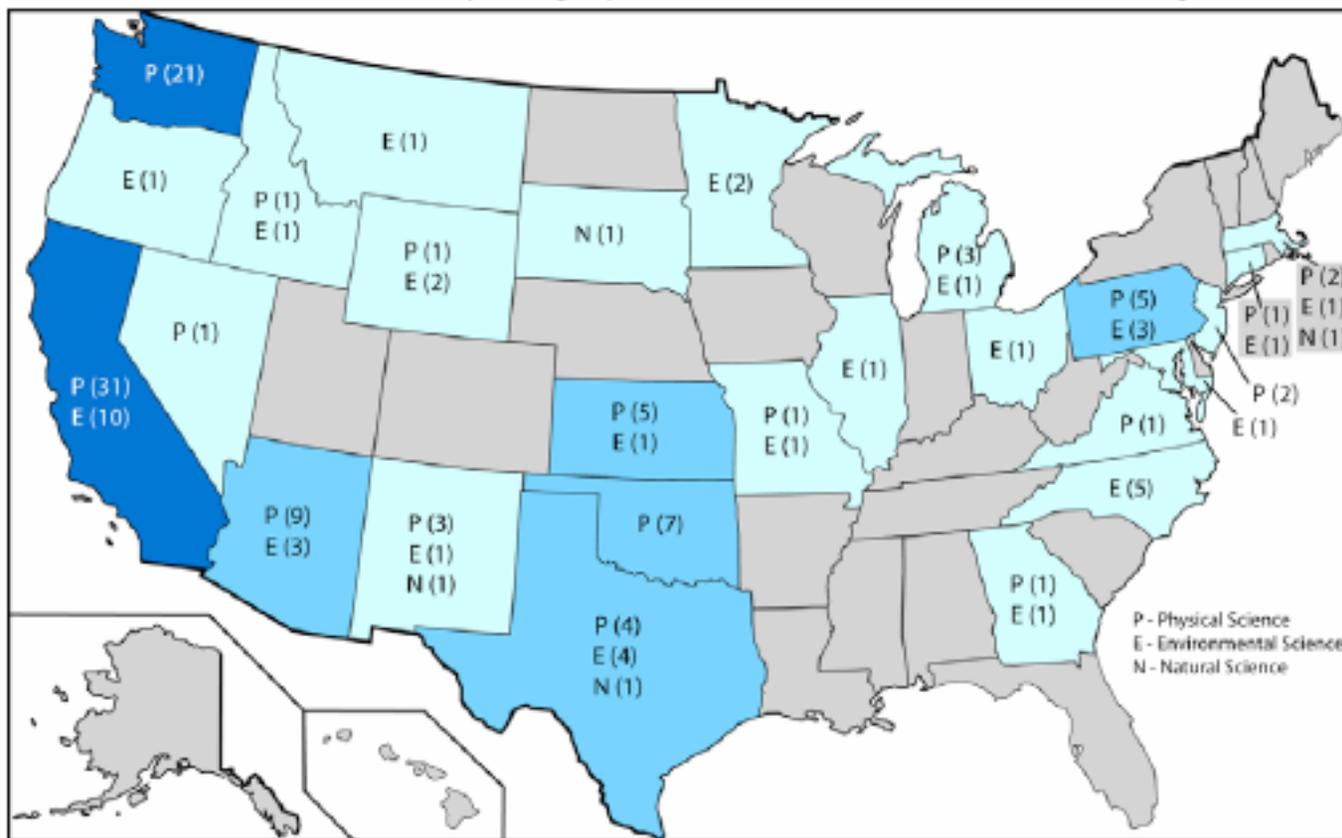
Total Number of Community Colleges per State that Offer Programs in Geoscience Disciplines



Source: ADI Geoscience Workforce Program, data derived from the NCES College Navigator.

Figure 1.21: Geographic Distribution of Community Colleges that Offer Programs in Geoscience Disciplines

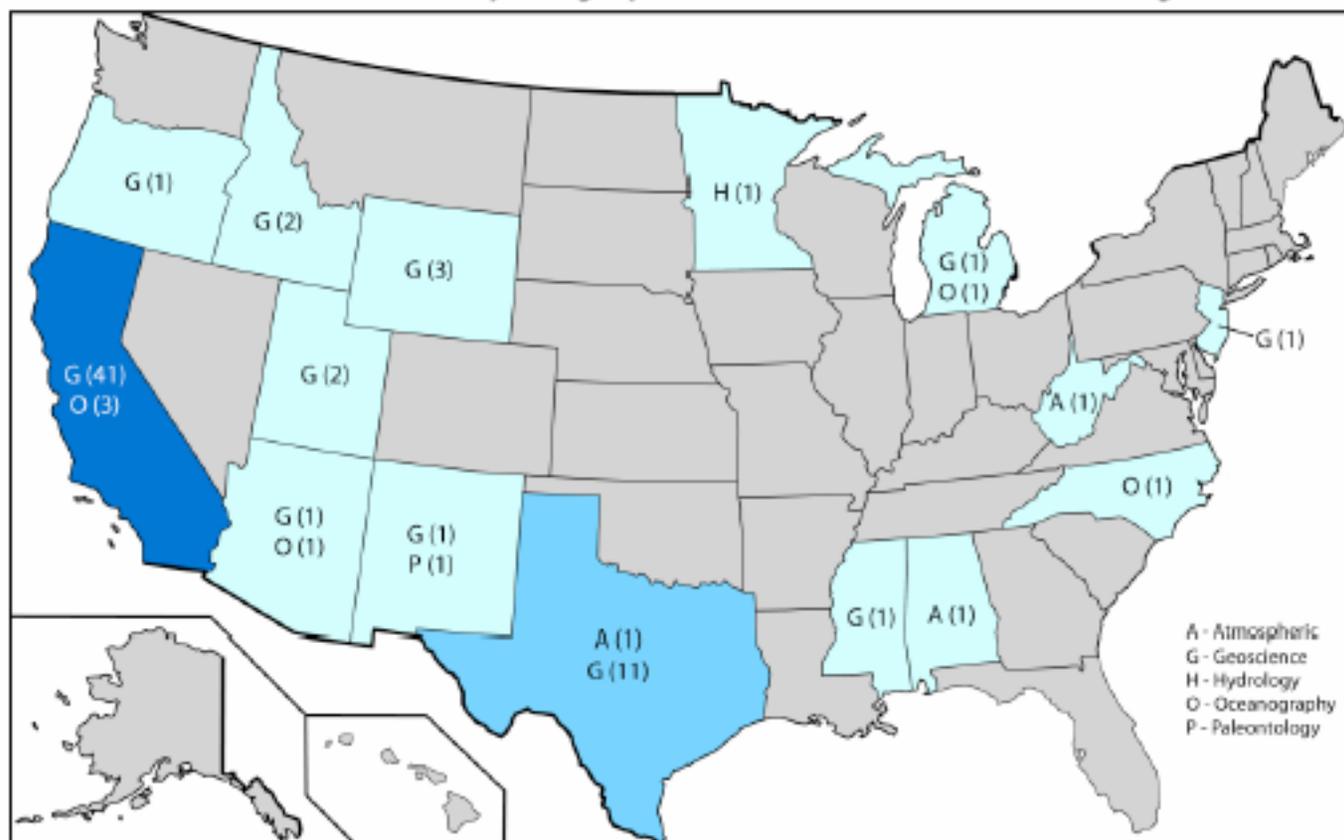
Total Number of Community Colleges per State that Offer General Geoscience Programs



Source: ACI Geoscience Workforce Program, data derived from the NCES College Navigator.

Figure 1.22: Geographic Distribution of Community Colleges that Offer General Geoscience Programs

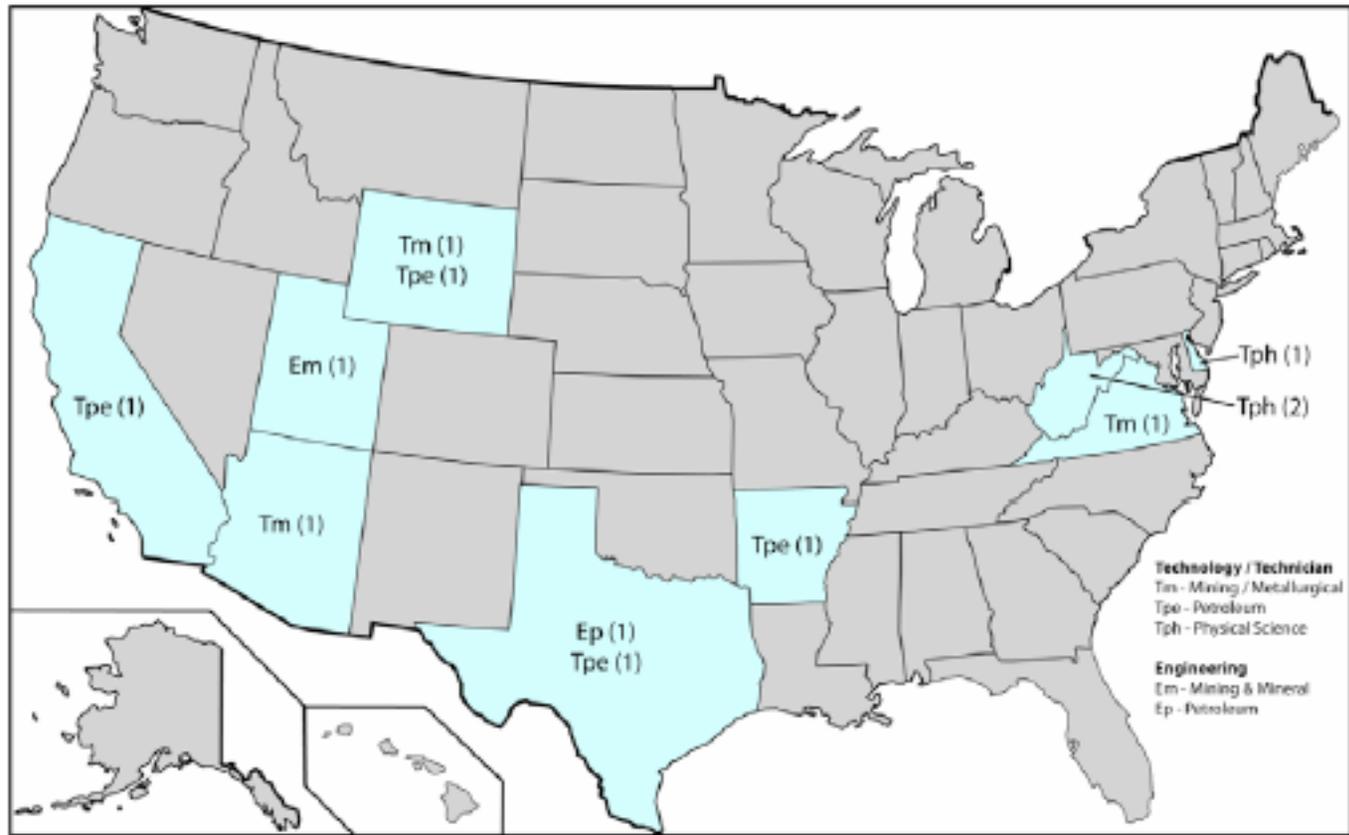
Total Number of Community Colleges per State that Offer Core Geoscience Programs



Source: AGI Geoscience Workforce Program, data derived from the NCEES College Navigator.

Figure 1.23: Geographic Distribution of Community Colleges that Offer Dedicated "Core" Geoscience Programs

Total Number of Community Colleges per State that Offer Geoscience Engineering & Technical Programs



Source: AGU Geoscience Workforce Program, data derived from the NCES College Navigator.

Figure 1.24: Geographic Distribution of Community Colleges that Offer Programs in Geoscience Engineering and Geoscience Technical Programs

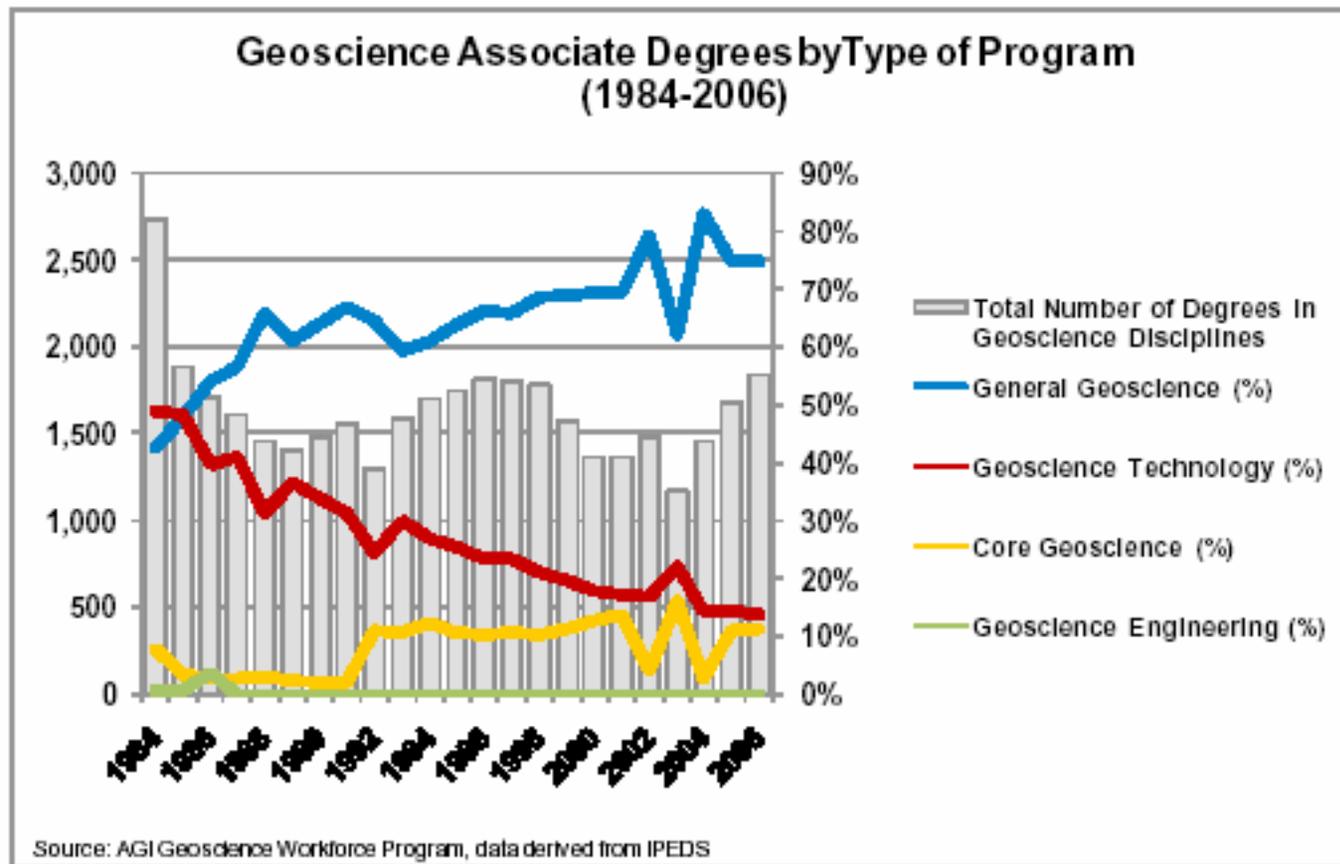


Figure 1.25: Trends in Geoscience Associate Degrees from Community Colleges

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Challenges

- Insufficient time
- Insufficient funds
- Insufficient research space
- Insufficient support

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Strategies

- Partner with a local university
- Make research a part of your courses
- Education-based research
- Community-based research
- Reduce your teaching load

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Other Scholarly Activities

- Publications
 - Guidebook of local geology
 - Fieldtrip guide
 - Textbook writing/editing
 - Write book review for professional journal

Other Scholarly Activities

- Volunteer for Professional Service
 - Propose/Chair a session at a meeting such as GSA, NAGT, AGU, NSTA
 - Officer of a professional society/Division
 - Committee member of a professional society/Division
 - Journal reviewer

Other Scholarly Activities

- Enrich your school's curriculum
 - Set-up new equipment (campus weather station, seismograph)
 - Support GPS use or earthcaching
 - Contact local surveyors, drillers, landscaping firms, etc. for materials for classroom/campus use
 - Run field trips for non-geology faculty

Other Scholarly Activities

- Enrich your department's visibility
 - Be actively involved in Earth Science Week
 - Develop a geoscience program website
 - Collaborate with geology faculty from nearby universities
 - Have students create geoscience-themed art (murals, photos, fossil displays, framed geologic maps)

Other Scholarly Activities

- Community Service
 - Involve yourself and/or your students in elementary and middle school classes
 - Lead a field-trip for in-service teachers
 - Volunteer to judge a local science fair, or develop one at a school that does not have one
 - Work with scouts for geology merit badges