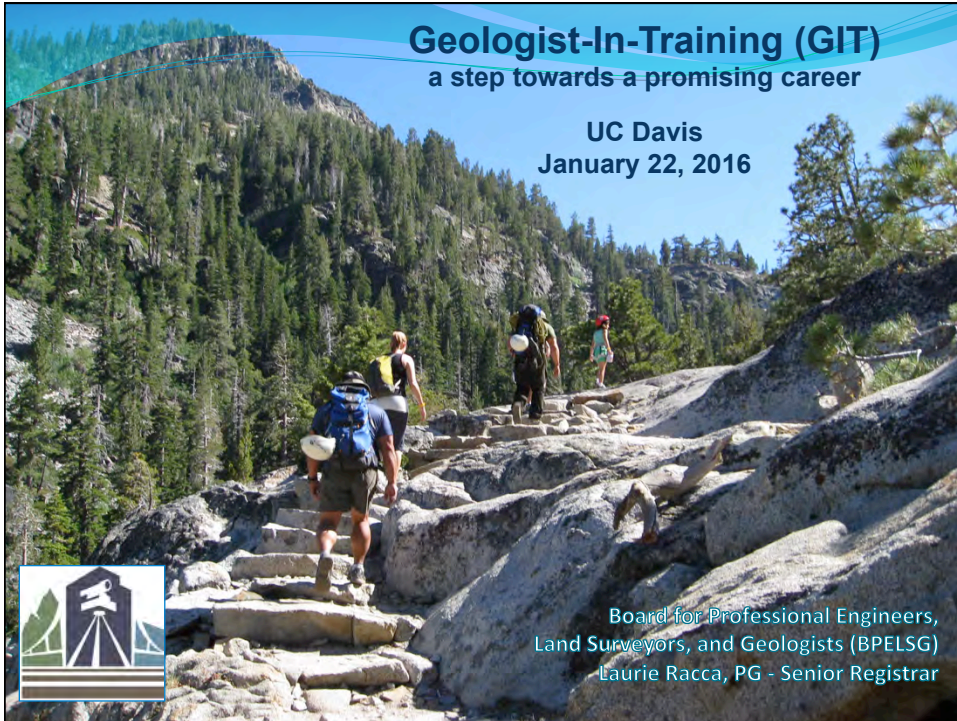


Geologist-In-Training (GIT)

a step towards a promising career

UC Davis
January 22, 2016



Board for Professional Engineers,
Land Surveyors, and Geologists (BPELSG)
Laurie Racca, PG - Senior Registrar

Agenda

Part I

- Purpose of the Board
- What is Licensure?
- Laws and Regs
- Why get your GIT?

Part II

- Careers and Licensing



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Purpose of the Board (BPELSG)

- **Protection** of the Public
 - **License** qualified individuals
 - **Enforce** laws and regulations
 - **Establish** regulations
 - **Promote** professional conduct
 - **Provide** information to the public
 - **Anticipate** changes in the professions



Board Composition?

- **15 Board Members:**
 - **8 Public Members**
 - 6 appointed by Governor
 - 1 by Senate Rules Committee
 - 1 by Speaker of the Assembly
 - **7 Practitioners (Engineers, Land Surveyor, and Geologist or Geophysicist)**
 - All appointed by Governor



Protection of the Public

Sections 6710.1, **7810.1**, and 8710.1
of the Business and Professions Code

- *Protection of the public shall be the highest priority for the Board for Professional Engineers, Land Surveyors, and Geologists in exercising its licensing, regulatory, and disciplinary functions. Whenever the protection of the public is inconsistent with other interests sought to be promoted, the protection of the public shall be paramount.*

What is Licensure?

Why is it important?

- Required by law to Practice Geology
- Increased Career Opportunities
- Financial Incentives
- Credibility



Geologist and Geophysicist Act (Law)

Business and Professions Code §§ 7800 -7887
Chapter 12.5 Geologists and Geophysicists

Things to focus on as you start your career:

- 7802 & 7803: Definitions of Geology, Geophysics, Geologist, Geophysicist,
- 7805 & 7806: Responsible Charge of Work, subordinate defined
- 7836, 7837, & 7838: Exemptions
- 7839: Prohibition against offering or practicing Civil Engineering (see §6731 of the Engineers Act)
- 7841, 7842 & 7843: Qualifications for Geologist, Geophysicist, Geologist-In-Training, and for specialty certificates

Regulations Related to the Practices of Geology and Geophysics

California Code of Regulations (CCR) Title 16, Division 29
§§ 3000-3067

Think about becoming licensed:

- 3003: Definitions
 - (c) "Responsible Position"
 - (d) and (e) "Professional Geological Work" "Professional Geophysical Work"
 - (f) "Practice of Geology or Geophysics"
- 3021: Applicant Fingerprint Submittal and Review
- 3023: Date of Education and Experience
- 3031: Examination Required
- 3065: Professional Standards and Code of Conduct

Steps to Licensure as a PG



1. Education
 - a. FG/GIT (optional)
2. Experience under a licensed geologist
3. Pass FG, PG and CSE exams

How to get your Geologist-in-Training (GIT) certificate



- Pass the FG
- complete your degree
- get your GIT



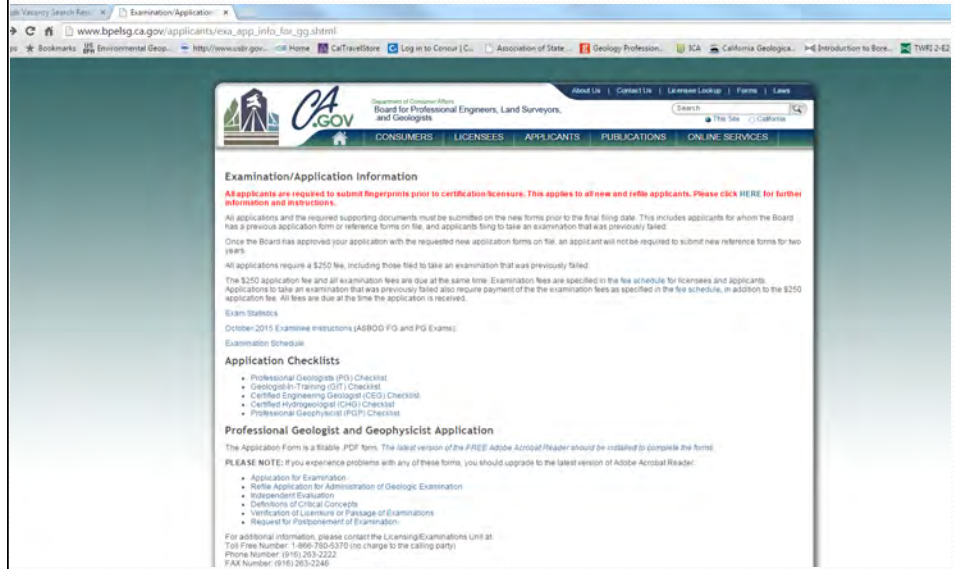
Because Your Future Begins Today

A GIT certificate shows that you have the qualities an employer wants:

- Technical competence
- Understand the laws/regs
- Know what it takes to advance in your chosen profession
- Proactive

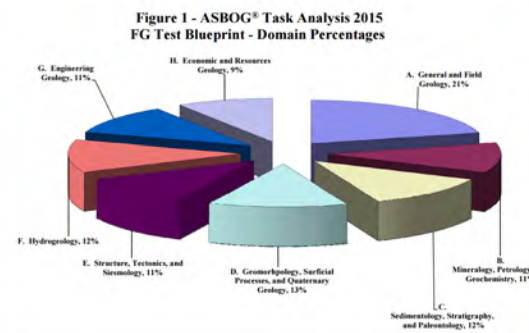


Go to the BPELSG website for Information and Forms
http://www.bpelsg.ca.gov/applicants/exa_app_info_for_gg.shtml



Preparing for the FG (GIT) Test

- Standardized National Exam
- Developed by ASBOG
- Lots of resources on their website www.asbog.org



Why Get my GIT right away?

- ASBOG statistics show that the pass rates decline over time
- 1st time candidates have a 65% pass rate. The majority of 1st time candidates are taking the FG to get their GIT.
- The pass rate for candidates on their 2nd attempt drops to 39%
- Starting in 2016, you can take the FG **BEFORE** you get your degree. But you still must have a degree before the GIT certificate is awarded.
- Currently advancing legislation to enable you to get the GIT certificate in your senior year of college (before your degree).

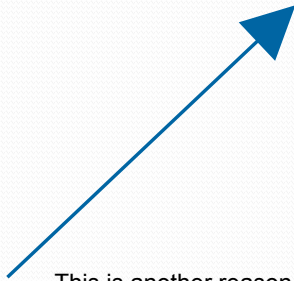


Careers and Licensing

- I've got a degree, now what?
- How do I find a job?
- How do I start my career?

Keep your eye on the prize....

- What you think your career path will be
- What it will really look like



This is another reason to get your GIT and then your PG.
You never know what the future brings.....*wouldn't you rather have more options?*

Start Now by Getting Experience

- Any job experience is good experience, be proud of working hard
- Independent Studies/Special Projects/Senior Thesis
- Internships/Student Jobs
- Volunteer Positions
- Be creative

USGS
Hawaiian Volcano Observatory

Volunteer Program of the USGS Hawaiian Volcano Observatory (HVO)

Dozens of volunteers contribute thousands of hours each year to help HVO's staff monitor the active volcanoes of Hawaii and conduct research on various aspects of Hawaiian volcanism. The volunteers as team gain experience working on active volcanoes and participating in scientific research—collecting and analyzing data, building and installing instruments for experiments and volcano and earthquake monitoring, taking photographs and conducting surveys, and working on team or individual research projects.

Volunteers range from undergraduate students to retired educators, computer programmers to chemists, and writers to electricians. People come from around the world to volunteer or work at HVO. Hawaii's active volcanoes and natural beauty make the volunteer positions very popular and highly competitive.

If you are not a citizen of the United States the USGS Exchange Visitor Program will enable you to collaborate and work with USGS scientists, similar to volunteers.

HVO provides free lodging for as many as 7 volunteers at a time in a fully-furnished house about 4 km from the Observatory. Volunteers staying in our guest house must be willing to work for at least three months on a full-time basis. Transportation is provided between the house and HVO, but volunteers are responsible for all non-work-related travel expenses (travel to and from Hilo, Hawaii, and travel on the Big Island and neighboring islands). Volunteers are also responsible for all food and health-care costs.

Many of the volunteer positions require work in the field, sometimes in remote areas of Hawaii's Volcanoes National Park and other parts of the Big Island. For these positions, volunteers often must take several kilometers over rough and irregular ground in hot, humid conditions, or sometimes in deep, loose ashfall and wet

Getting Experience



Starting the Process

- Order transcripts ahead of time
- Define your geographic search area (are you willing to move?)
- Tailor your resume or application to the job
- Consider writing a Qualifications Statement
- Beware of Social Media Pitfalls
- Get a real email address (not LadiesMan217)



Careers with the State of California

<https://jobs.ca.gov/>

1. Get Pre-Qualified by taking an Exam
2. Apply for a Job

Before you get started:

- Have a copy of your transcripts
- Have a resume



<https://jobs.ca.gov/>

Search Results 1/22/2016

www.jobs.ca.gov Public Vacancies by region: CA Job Vacancies - 03/28/2016 10:08:30 AM

CA.GOV CALIFORNIA State Jobs

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Exams & Job Vacancies Search Results

Occupation Categories found for "geologist":

Narrow your search by selecting one or more Occupational Categories. Hold down Control key to select multiple categories. The following categories have been sorted by relevance: Architectural & Engineering Managers; Geoscientists

Filter | Clear Filter | New Search

Below is the list of current Examinations and Job Vacancies associated with the occupation categories above. Displaying 1 - 3 of 3 records

Job Title	Exams	Job Vacancies
ENGINEERING GEOLOGIST	3 Rubrics	1 Vacancy
SENIOR ENGINEERING GEOLOGIST	2 Rubrics	
SUPERVISING ENGINEERING GEOLOGIST	1 Rubric	

Jobs as of 12/9/15

jobs.spb.ca.gov/vacanciesearch.pl.cfm

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Job Vacancy Search Results

Below is the list of current Job Vacancies matching your submitted criteria. Click on the corresponding Job Title to view the Job Vacancy information for specific vacancy.

Results: 6 Vacancy(s)

New Search(s)

Job Title	Approximate Salary	Job Type	Department and Location	Posted	Deadline
ENGINEERING GEOLOGIST	\$4,760.00-\$9,961.00	Full Time Permanent	CONSERVATION DEPARTMENT OF Los Angeles, LOS ANGELES	12/03/15	12/17/2015
ENGINEERING GEOLOGIST	\$4,760.00-\$9,961.00	Full Time Permanent	CONSERVATION DEPARTMENT OF Sacramento or Menlo Park, Multiple	12/03/15	12/17/2015
ENGINEERING GEOLOGIST	\$4,760.00-\$9,961.00	Full Time Permanent	CONSERVATION DEPARTMENT OF Sacramento or Menlo Park, Multiple	12/03/15	12/17/2015
ENGINEERING GEOLOGIST	\$4,760.00-\$9,961.00	Full Time Permanent	WATER RESOURCES CONTROL BOARD, STATE Redding, SHASTA	12/09/15	12/21/2015
SENIOR ENGINEERING GEOLOGIST	\$48,000-\$60,000	Intermittent 350	OFFICE OF EMERGENCY SERVICES Mather, SACRAMENTO	09/01/15	Units Filled

California Department of Human Resources

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Job Vacancy Search Results

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Job Vacancy Search Results
 Below is the list of current Job Vacancies matching your submitted criteria.
 Click on the corresponding Job Title to view the Job Vacancy information for specific vacancy.

Results: 2 Vacancy(ies)
 New Search

Job Title	Approximate Salary	Job Type	Department and Location	Posted	Deadline
ENGINEERING GEOLOGIST	\$4,760.00 - \$5,975.00	Full Time Limited Term (12 Months)	WATER RESOURCES CONTROL BOARD, STATE SACRAMENTO, SACRAMENTO	10/23/15	11/03/2015
ENGINEERING GEOLOGIST	\$4,760.00 - \$8,961.00	Full Time Permanent	WATER RESOURCES CONTROL BOARD, STATE SACRAMENTO, SACRAMENTO	10/19/15	11/02/2015

California Department of Human Resources
 Below is the list of current Job Vacancies matching your submitted criteria.
 Click on the corresponding Job Title to view the Job Vacancy information for specific vacancy.

Results: 4 Vacancy(ies)
 New Search

Job Title	Approximate Salary	Job Type	Department and Location	Posted	Deadline
SENIOR ENGINEERING GEOLOGIST	\$8,390.00 - \$10,501.00	Full Time Permanent	TOXIC SUBSTANCES CONTROL, DEPARTMENT OF 8800 Cal Center Drive, Sacramento, CA 95826, SACRAMENTO	11/02/15	11/17/2015
SENIOR ENGINEERING GEOLOGIST	\$8,390.00 - \$10,501.00	Full Time Permanent	CONSERVATION, DEPARTMENT OF Sacramento, SACRAMENTO	10/26/15	11/10/2015
SENIOR ENGINEERING GEOLOGIST	\$8,390.00 - \$10,501.00	Full Time Permanent	TOXIC SUBSTANCES CONTROL, DEPARTMENT OF Wat Ave. & Hwy. 50, SACRAMENTO	10/23/15	11/09/2015
SENIOR ENGINEERING GEOLOGIST	\$48,000-\$60,000	Intermittent 350	OFFICE OF EMERGENCY SERVICES Mather, SACRAMENTO	09/01/15	Unit Filed

Federal Careers

www.usajobs.gov

USAJOBS
 "WORKING FOR AMERICA"

Keyword: Location:

U.S. Citizens
 Federal Employees

Search

Individuals with Disabilities | Veterans | Students and Recent Graduates | Senior Executives

The New USAJOBS Map Search is Now Available!
 Where in the world is your dream job? Try out our new map search to find the ideal job in the perfect location.

USAJOBS

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Sample Federal Job Listing

The screenshot shows a USAJOBS listing for a Physical Scientist position. The job title is "Physical Scientist, GS-1301-07/09 (TERM-NC)" and it is located at the U.S. Geological Survey, Department of the Interior. The listing includes details such as the salary range (\$39,570.00 to \$64,194.00), the open period (August 19, 2015 to August 25, 2015), and the position information (Term - Full-Time). The listing also provides information on who may apply, security clearance requirements, and a job summary. The job announcement number is ATL-2015-1209 and the control number is 41284300.

Licensing and Private Sector Careers

- Search engines
- Career center
- Job Websites
- Professional Organizations (AEG, AIPG, GSA etc.)
- Company Websites
- Traditional Classified Ads and On-line Classifieds
- Network, network, network.....did I say NETWORK?

Zone: 1
 Boring: 0N-7SD
 Box 1 of 4
 Depth: 43.5' to 57'
 Date: May 8, 2013

Interview Tips

- Dress for the job you want (no jeans) but don't spend \$500 on a suit for an entry level job
- Be early or at least on time
- Be nice to everyone, not just people you think are important
- Remember to breathe/relax, they called you for an interview because they were interested in you



Interview Tips (cont.)

- Prepare for tough questions (search "tough interview questions" online)
- Be ready for a writing test or problem to solve
- Be honest and be yourself (don't try to BS them)
- Research the company/agency/job
- Say thank you (email is acceptable)



How to Contact the Board

- Phone: 916-263-2222 FAX: 916-263-2246
Toll Free: 866-780-5370
- Website: <http://www.bpelsg.ca.gov>
-  Board for Professional Engineers
- Twitter: @CA_Engineers
- Mailing address: 2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833