The Changing Landscape of Geoscience Careers and Education: NEW Online Resources from Building Strong Geoscience Departments

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Geoscience Departments: Developing Pathways to Strong Programs for the Future

Building Strong Geoscience Departments
- Defining Strong Departments
- National Context
- Department Activities
- Heads and Chairs
- Workshops and Sessions
- About this Project

Four New Resource Collections

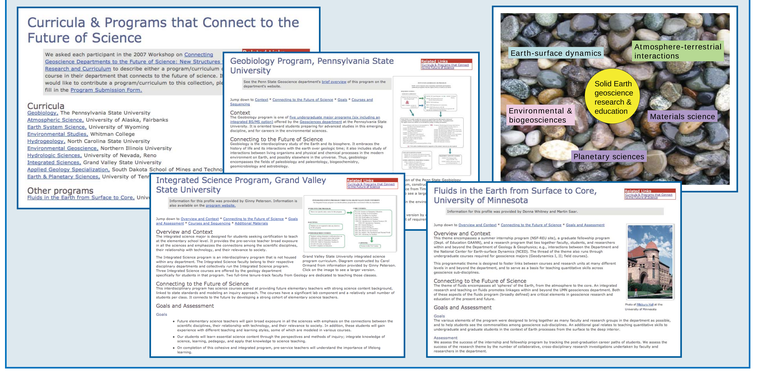
Geoscience is evolving to meet societal needs. Common trends we see are shifts toward multidisciplinarity, toward collaboration, toward applications of the geosciences to societal issues, and toward a systems approach to Earth Science. There is also a growing emphasis on students' research, communication, and quantitative analysis skills, and on the ability to use increasingly complex technology and the resulting data sets.

Our new resource collections illustrate the changes taking place in geoscience careers and education and provide examples for departments interested in keeping pace with these changes.

Curricula & Program Profiles

serc.carleton.edu/departments/dep-activities/curricula-future.html

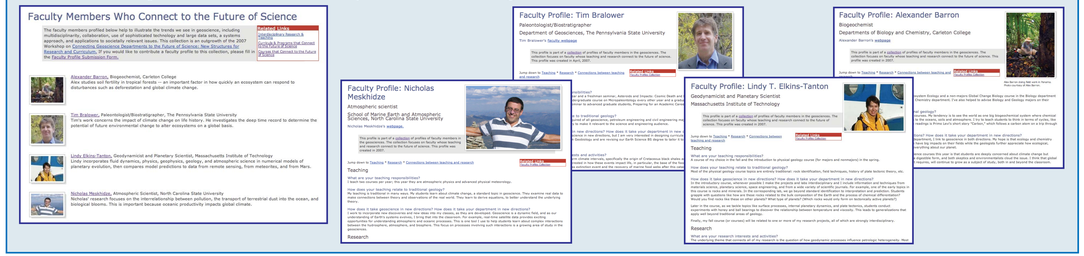
Each of our curriculum and program profiles illustrates how one department is working to stay current with today's trends in geoscience. Each profile describes a program, its goals, and its context. Curriculum profiles also include course sequencing information.



Faculty Profiles

serc.carleton.edu/departments/context/faculty_profiles.html

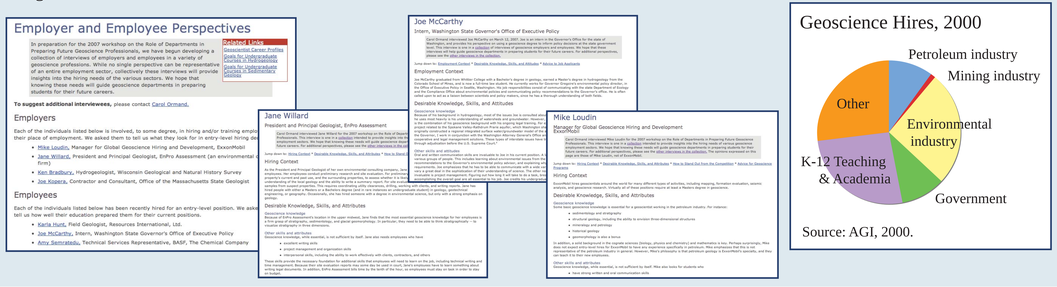
Our faculty profiles describe geoscientists whose work is multidisciplinary, collaborative, has implications for societal issues, or all of the above. Each profile describes that faculty member's teaching and research.



Employer & Employee Interviews

serc.carleton.edu/departments/dep-activities/employment.html

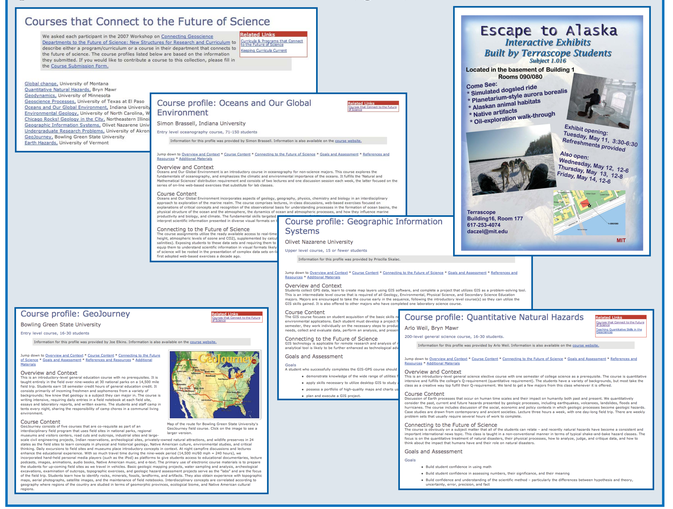
For our collection of perspectives on geoscience employment, we interviewed several geoscience employers and recently employed geoscience graduates. Each interview focuses on the skills, knowledge, and attitudes employees need to be successful in geoscience careers. While nogingle perspective can be representative of an entire employment sector, collectively these interviews provide some insights into what our students need to learn to be successful.



Course Profiles

serc.carleton.edu/departments/dep-activities/courses-future.html

Our course profiles show how individual faculty members incorporate what they see as essential knowledge or skills into their department's curriculum. Each profile describes a course's context, content, goals, and methods of assessment.



How you can help

We are actively building these collections and welcome suggestions for additions.

Acknowledgements

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