



## James Lawford Anderson

Professor

- STO 141J
- 617-358-6668
- [lawford@bu.edu](mailto:lawford@bu.edu)

### Educational Background

PhD, University of Wisconsin-Madison, 1975  
MS, University of Wisconsin-Madison, 1972  
BA, Trinity University, 1970

### Current Research

Lawford Anderson's principal research interest is the evolution and construction of the Earth's crust. As an igneous petrologist concerned with granitic magma genesis and mineral equilibria, much of his work and that of his students have been devoted to an understanding of the evolution of granite magma from its source to emplacement. The research is both field and lab oriented and has shared interests with other disciplines including geochemistry, structural geology and tectonics, and rock mechanics. Present research problems are diverse but follow a common theme, one of crustal petrology. Much of his research is focused on the Proterozoic crustal evolution of North America with emphasis on the rapid growth of orogenic crust during the Early Proterozoic (1.7-1.9 Ga) and the Proterozoic-unique, "anorogenic" magmatism of the period 1.0 to 1.5 Ga world wide. A second area of research is related to the Mesozoic and Tertiary magmatism of the western U.S. Recent work has been on emplacement conditions and magmatic evolution of metamorphic core complexes of California, the Mt. Stuart batholith of the north Cascades, Washington and the Tuolumne Intrusion of the Sierra Nevada batholith, California.

### Courses Taught

- [ES 105 Crises of the Planet](#)
- [ES 300 Earth's Rocky Materials](#)

### Links

- [Lawford Anderson's CV](#)
- [Recent News](#)



## **People**

**Faculty**

**Researchers**

**Graduate Students**

**Staff**

**Alumni**

## **Related Links**

**BU Directory**

## **Recent News**

**Lucy Hutyra and Conor Gately urge cities to show climate progress with data**

**Jeffrey Geddes publishes on geostationary observations of nitrogen dioxide from space**

**Nathan Phillips talks to Free Press about Massachusetts gas leaks**

**Christine Regalla co-authors paper on earthquake surface rupture in Geophysical Research Letters**

**Cutler Cleveland presents emissions findings to City of Boston**

**PhD student Chi Chen co-authors article on 2015/16 ENSO event impacts to the carbon cycle**

**E&E major Emma Quirk rows for BU**

## **Calendar**

Monday, December 103:30 PM **E&E Seminar Series: Karin Bryan**

Wednesday, December 1212:00 AM **Last day of classes**

Wednesday, December 1211:00 AM **Earth & Environment Coffee Hour**

Wednesday, December 1212:30 PM **E&E Faculty Meeting**

Thursday, December 1312:00 AM **Study period**

Monday, December 1712:00 AM **Final exams begin**

Monday, December 1711:00 AM **Earth & Environment Coffee Hour**

## **follow us!**

email address

Subscribe



---

## **Links**

**News**

**Publications**

**Grants**

**Department Media**