

COLLEGE AT A GLANCE



PennState

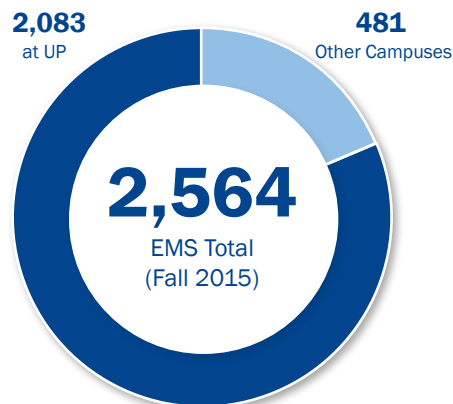
College of Earth and Mineral Sciences

HISTORY

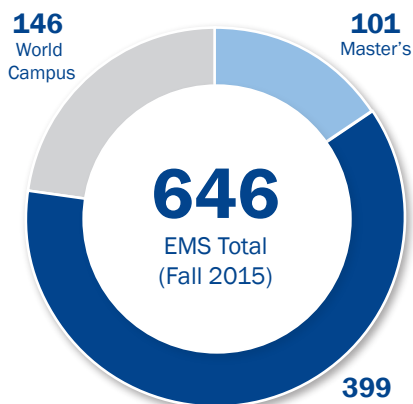
The College of Earth and Mineral Sciences (EMS) at Penn State boasts a long and distinguished history, one that started in 1859 with the University's first earth sciences courses offered in the agricultural program and stretches today to the borders of the Commonwealth and beyond. The college was founded in 1896 as the School of Mines with its single major in mining engineering and was later renamed the School of Mineral Industries by Dean Edward Steidle in 1929, supporting Pennsylvania as the leading mineral-producing state. Today, the college is internationally recognized for research and education in engineering, earth sciences, energy, and materials science.

www.ems.psu.edu

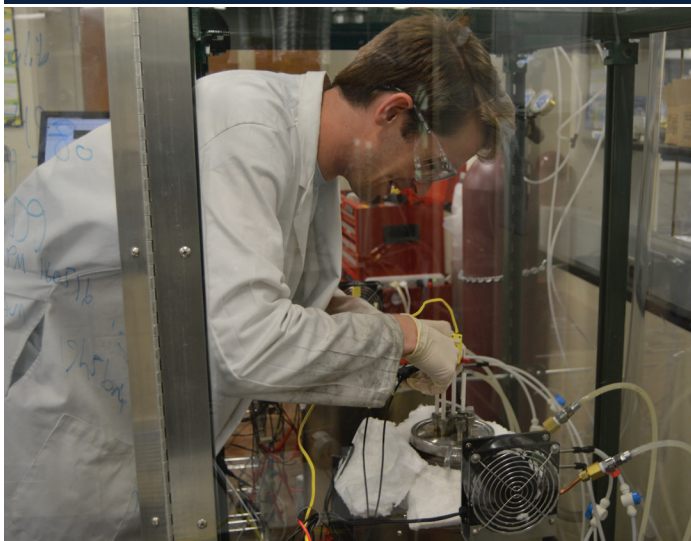
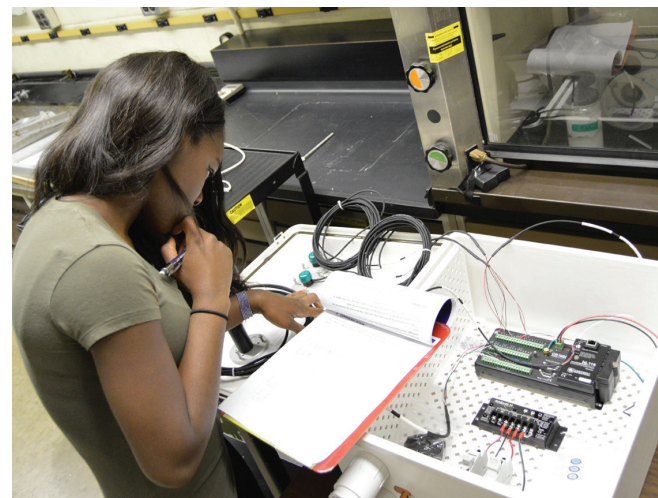
ENROLLMENT



Undergraduate



Graduate



ACADEMIC DEPARTMENTS

- John and Willie Leone Family Department of Energy and Mineral Engineering
- Department of Geography
- Department of Geosciences
- Department of Materials Science and Engineering
- Department of Meteorology and Atmospheric Science

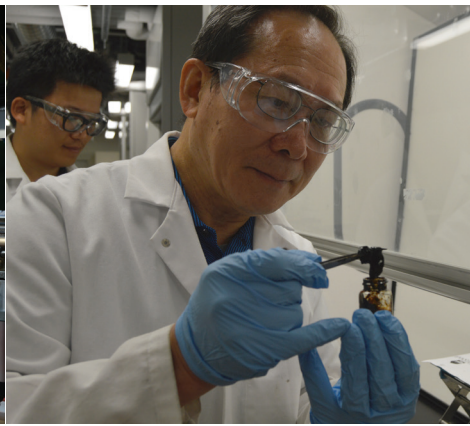
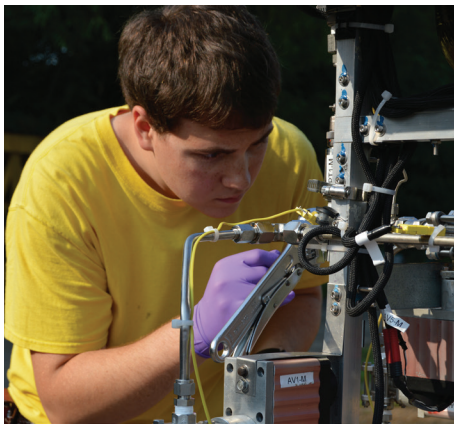
OUR INSTITUTES

- John A. Dutton e-Education Institute
- Earth and Environmental Systems Institute (EESI)
- EMS Energy Institute
- Institute for Natural Gas Research (INGaR)

ACADEMIC RANKINGS

Programs in all five academic departments in EMS have been or are ranked in the top ten nationally. In the latest *U.S. News & World Report* rankings, EMS has six fields ranked in the top ten:

- Geology, 1st
- Geochemistry, 2nd
- Environmental Sciences, 2nd
- Petroleum and Natural Gas Engineering, 5th
- Earth Sciences, 6th
- Paleontology, 8th



UNDERGRADUATE PROGRAMS

Resident (B.S./B.A.)

- Earth Science and Policy
- Earth Sciences
- Energy Business and Finance
- Energy Engineering
- Environmental Systems Engineering
- Geobiology
- Geography
- Geosciences
- Materials Science and Engineering
- Meteorology
- Mining Engineering
- Petroleum and Natural Gas Engineering

Online Degree Programs

- Energy and Sustainability Policy

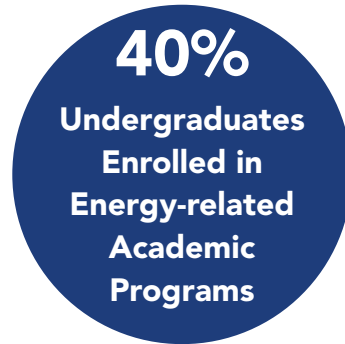
GRADUATE PROGRAMS

Resident (M.S. and Ph.D.)

- Biogeochemistry
- Energy and Mineral Engineering
- Geography
- Geosciences
- Materials Science and Engineering
- Meteorology

Online Degree Programs

- Education in Earth Sciences
- Geographic Information Systems
- Professional Studies in Homeland Security, Geospatial Intelligence Option
- Renewable Energy and Sustainability Systems
 - Bioenergy
 - Solar Energy
 - Sustainability Management and Policy
 - Wind Energy



RESEARCH

In the most recent institutional rankings released by the National Science Foundation of total research expenditures for science and engineering, many of the college's programs are ranked in the top ten:

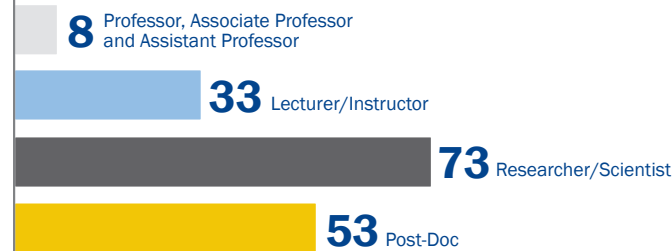
- Materials Engineering, 2nd
- Total Engineering, 5th
- Atmospheric Sciences, 8th
- Earth Sciences, 8th

Faculty

TENURE/TENURE-TRACK

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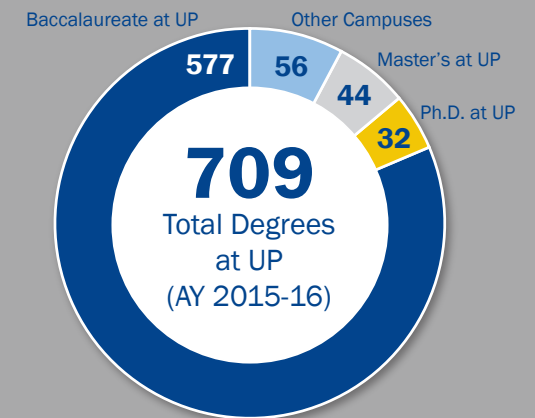
NON-TENURE-TRACK



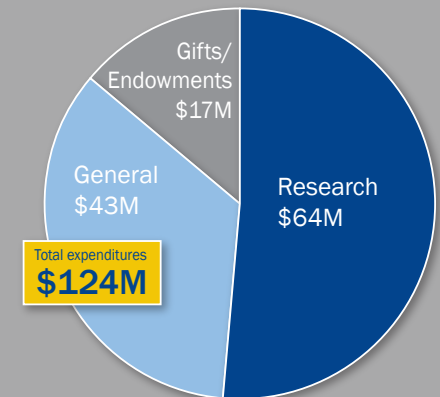
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Degrees Awarded



Annual Budget



PennState
College of Earth
and Mineral Sciences