

COLLEGE AT A GLANCE



PennState

College of Earth and Mineral Sciences

HISTORY

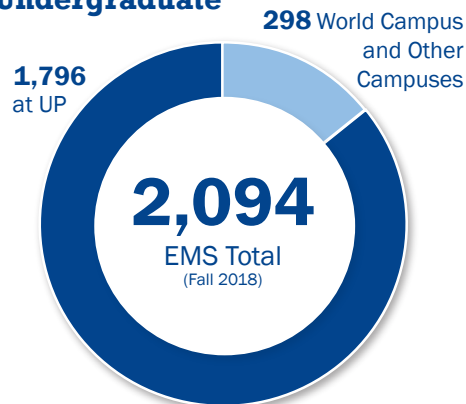
The College of Earth and Mineral Sciences (EMS) at Penn State boasts a long and distinguished history, one that started in 1859 with the University's first Earth sciences courses offered in the agricultural program and stretches today to the borders of the Commonwealth, the nations, and beyond. The college 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

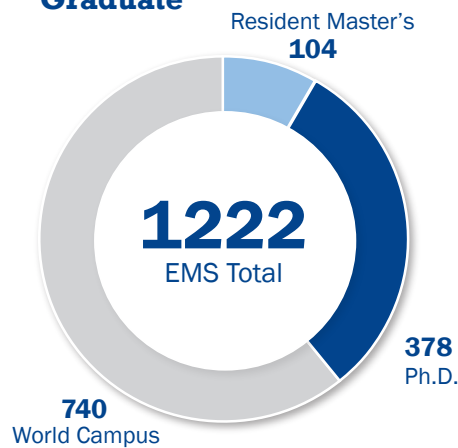


ENROLLMENT

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

ACADEMIC RANKINGS

Programs in all five academic departments are ranked nationally. In the latest *U.S. News & World Report* rankings, EMS has six graduate (G) programs and two undergraduate (UG) programs ranked in the top twenty.

- Geology, 1st (G)
- Petroleum Engineering, 3rd (UG)
- Environmental Sciences, 3rd (G)
- Geochemistry, 4th (G)
- Earth Sciences, 5th (G)
- Petroleum and Natural Gas Engineering, 7th (G)
- Materials Sciences and Engineering 10th (UG)
- Materials Sciences and Engineering 11th (G)

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 and Atmospheric Science
- Mining Engineering
- Petroleum and Natural Gas Engineering

Online Degree Programs

- Energy and Sustainability Policy

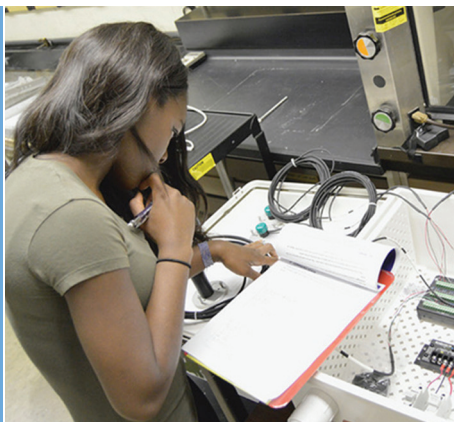
GRADUATE PROGRAMS

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

- Astrobiology
- Biogeochemistry
- Climate Science
- Energy and Mineral Engineering
- Geography
- Geosciences
- Human Dimensions of Natural Resources and the Environment
- Materials Science and Engineering
- Meteorology
- Women's Studies

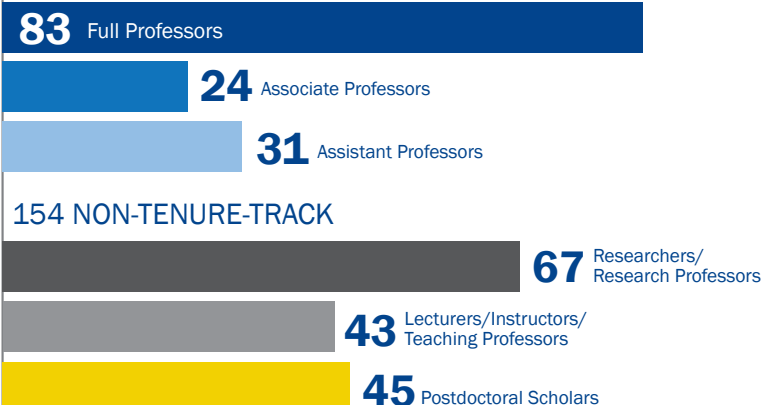
Online Degree Programs

- Additive Manufacturing and Design
- Earth Sciences
- Geographic Information Systems
- Professional Studies in Homeland Security, Geospatial Intelligence Option
- Renewable Energy and Sustainability Systems
 - Solar Energy
 - Sustainability Management and Policy



Faculty

134 TENURED/TENURE-TRACK



RESEARCH

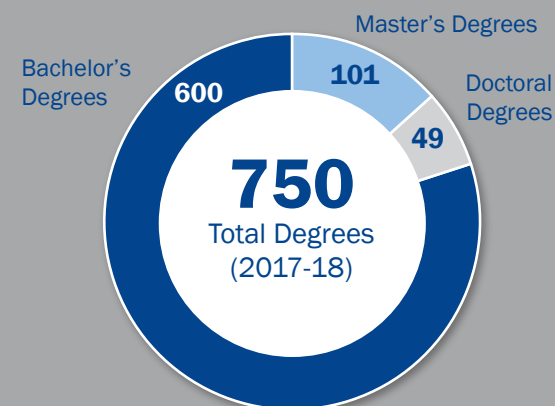
In the most recent rankings released by the National Science Foundation of total research expenditures for science and engineering, many of the college's programs are highly ranked:

- Metallurgical and Materials Engineering, 2nd
- Physical Sciences - Materials Science, 2nd
- Total Engineering, 3rd
- Geological and Earth Sciences, 10th
- Atmospheric Science and Meteorology, 11th
- Physical Sciences (overall), 13th
- Geosciences, atmospheric sciences, and ocean sciences (overall), 20th

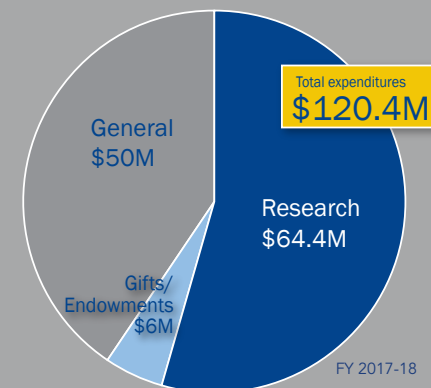
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Degrees Awarded



Expenditures



PennState
College of Earth
and Mineral Sciences

