

# EARTH AND MINERAL SCIENCES

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## About the College

**Lee Kump, John Leone Dean in the College of Earth and Mineral Sciences,  
College of Earth and Mineral Sciences**

The College of Earth and Mineral Sciences has a rich history dating back more than 125 years, from the original focus on mining engineering, to today's interdisciplinary focus on earth, energy, materials science, and engineering. With our top-ranked programs, five academic departments, and more than 40 undergraduate majors, minors, and certificates, we provide a comprehensive, high-quality education. We are a close-knit community where students experience the best of both worlds — small class sizes and all the resources of a top research university. Our college is creating tomorrow's leaders and plays an important role in preparing a diverse and talented workforce, as well as providing new knowledge that will drive the economic vitality of the state, the nation, and beyond. Students from around the globe come here to be part of the discoveries that will help shape our planet's future. Together, we are creating a sustainable and inclusive future for society.

MORE INFORMATION ABOUT THE COLLEGE (<https://www.ems.psu.edu/>)

## Mission and Goals

The mission of the college is to advance knowledge, talent and leadership to elucidate Earth processes and history, harness and sustain natural resources and materials, and develop novel solutions to major challenges in energy, environment and wellbeing. We continue a strong tradition of building deep disciplinary expertise along with interdisciplinary teams, focusing on the interfaces of the natural science, social science, and engineering disciplines, where answers to the most pressing problems facing society await discovery.

MORE INFORMATION ABOUT THE MISSION AND GOALS OF  
THE COLLEGE OF EARTH AND MINERAL SCIENCES (<https://www.ems.psu.edu/about/who-we-are/mission-vision-values-and-strategic-plan/>)

## ACCREDITATION

All five of the college's engineering baccalaureate degree programs (Energy Engineering, Environmental Systems Engineering, Materials Science and Engineering, Mining Engineering, and Petroleum and Natural Gas Engineering) are accredited by the Engineering Accreditation Commission of ABET, <https://abet.org> (<https://abet.org/>).