“The spirit of the age proclaims the necessity of scientific research in every department.” —Evan Pugh, 1864

PUGH, A VISIONARY PIONEER IN THE LAND-GRAANT EDUCATION MOVEMENT, WAS FOUNDING PRESIDENT OF THE PENNSYLVANIA STATE UNIVERSITY.
THE PAGES THAT FOLLOW HIGHLIGHT THE DIMENSIONS OF RESEARCH AND DISCOVERY AT PENN STATE. As you study the charts and graphs, I hope you’ll keep in mind a number of themes that underlie the University’s efforts to extend the frontiers of knowledge:

—Penn State has the expertise, infrastructure, and willingness to work with our partners in the public and private sectors to solve problems in health and medicine, energy and the environment, water, food, transportation, housing, and many other areas that are relevant to bettering the human condition.
—The University has experienced, on average, a $33 million annual increase in total R&D expenditures over the last decade—a growth rate that demonstrates our institution is competitive in seeking resources that support its research mission.
—The diverse nature of research at Penn State shows that our portfolio is balanced. Notice the variety of funding sources that support research at our institution, and how academic units across the University engage in research and development activities.
—While summary data may not reveal it, an interdisciplinary approach to research is perhaps our greatest strength, and the characteristic that most distinguishes Penn State from other universities. We have moved steadily away from funding discipline-specific research and toward nurturing task-specific faculty groups that more accurately mirror complex, real-world problems.

Our research informs our graduate education, making the quality of that learning experience second to none—a fact recognized by advanced-degree candidates the world over. Research is an integral part of who we are at Penn State, and what we do.

Henry C. Foley
Vice President for Research
and Dean of the Graduate School

To learn more about Penn State research, visit research.psu.edu
Expenditures totaled an all-time high of $805 million, with federal support leading the way at $477 million.

Penn State has long ranked among the nation’s top universities in industry-sponsored research, and typically partners with more than 400 companies annually.
**Expenditures from Federal Agencies**

1. Department of Defense $163,804,000
2. Department of Health and Human Services $129,138,000
3. National Science Foundation $60,164,000
4. USDA $22,378,000
5. NASA $16,906,000
6. DOE $23,788,000
7. Education $11,007,000
8. Other $49,901,000
   - Transportation $5,517,000
   - Commerce $1,885,000
   - Interior $1,658,000
   - EPA $1,029,000
   - Other Federal $39,812,000

**Total $477,086,000**

**Expenditures by Performing Unit**

1. Defense-Related Research Units $174,253,000
   - Applied Research Lab $142,253,000
   - Electro-Optics Center $32,000,000
2. Engineering $113,885,000
3. Agricultural Sciences $101,186,000
4. Medicine $99,863,000
5. Eberly College of Science $102,494,000
6. Earth and Mineral Sciences $75,482,000
7. Health and Human Development $47,803,000
8. Liberal Arts $32,267,000
9. Education $22,641,000
10. Information Sciences and Technology $11,003,000
11. Other $15,741,000
   - Altoona College $1,056,000
   - Behrend College $3,992,000
   - Berks College $164,000
   - Capital College $3,786,000
   - Great Valley $309,000
   - Penn College $3,626,000
   - Other Commonwealth Campuses $2,627,000
   - International Programs $181,000
12. Other Schools and Colleges $8,171,000
   - Arts and Architecture $819,000
   - Communications $368,000
   - Dickinson School of Law $215,000
   - Nursing $2,044,000
   - Smeal College of Business $4,725,000

**Total $804,789,000**
The University remains a popular choice for graduate education, with resident instruction supplemented in recent years by Penn State World Campus offerings.

Penn State’s diverse research initiatives reflect a wide range of funding sources.
Over the past ten years, Penn State has conferred more than 28,000 graduate degrees, including more than 6,300 doctoral degrees.