

H. Major research and public service activities

Research

The University actively pursues outside resources to help support its activities. One way this is accomplished is through grants primarily from state and federal agencies fostered through the Office of Sponsored Programs. \$8,820,378 was available for projects supporting student-related activities and scholarships, teacher professional development, faculty research, community services, and cultural programming. In FY 2011, the total value of new awards totaled \$6,423,463. New awards came from the National Science Foundation, the Research Corporation for Science Advancement, the US Department of Education, the US Department of Justice, the US Department of Energy through the NJ Board of Public Utilities, the NJ Department of Education, and the NJ Commission on Higher Education. During FY2011, significant attention was also directed at the initiation of the landmark awards received during the previous year, notably the U.S. Department of Education funded *Garden State Partnership for Teacher Quality*, a five-year, \$10.8 million project designed to improve both the preparation of new teachers at the undergraduate and graduate levels and to provide extensive professional development opportunities for veteran teachers.

Also of note was support for research received from the National Science Foundation for the *Acquisition of an Imaging Spectrograph for High Resolution Spectrographic Analysis of Discharge Plasmas*, The Research Corporation for Science Advancement for a research on *Leveraging Protein Homology of Rapid and Robust Molecular Dynamics Calculations*, Evonik-Degussa Corp. for research on the *Physio-Chemical Properties of Functional Silicon Based Materials*, the NJ Department of Education for the *NJ Preschool Quality Evaluation*, and Rutgers University for assistance with their National Science Foundation-funded research *Examining Effective and Cognitive Engagement in the Middle School Mathematics Classroom*.

Among the other important awards received in FY 2011 are the US Department of Education funded *Fulbright-Hays Group Project Abroad Program*, *US-NJ-India Project*, the US Department of Justice for the *WPU Campus Violence Prevention Program*, the US Department of Energy through a sub-award from the NJ Board of Public Utilities for the *Smart Buildings Project*, the NJ Department of Education for *REFORMS 2*, N.J. Commission on Higher Education support for the *Aim High Academy*, the *Reinvesting in the Disengaged Adult Learner: Implementation of an Online, Weekend and Evening Program for Degree Completion* project, and contracts with the Paterson, Passaic and other public schools for the provision of professional development and pre-college programs.

Table II.H: William Paterson University Major Research and Public Service Activities R&D Expenditures: Year 2011	
	Amount (\$)
Federally Financed Academic R&D Expenditures	525,530
Institutionally Financed Academic R&D Expenditures	734,010
Total Academic R&D Expenditures*	1,259,540
<i>*Includes \$254,684 for externally (state, local, and private) financed expenditures.</i>	

Community service and outreach efforts

As a public university William Paterson has as part of its mission an understanding of service to and a close relationship with its surrounding communities. The University and the University community are involved in a variety of community outreach efforts that include artistic and educational programming, free speech and hearing screenings, as well as support for community efforts such as the WP TV-6 student club's fundraising contributions to the Make-A-Wish Foundation and St. Jude's Children's Hospital. The following are a few examples of these services and activities:

[American Democracy Project](#)

The American Democracy Project is a multi-campus initiative that seeks to create an intellectual and experiential understanding of civic engagement for undergraduates. The goal of the project is to produce graduates who understand and are committed to engaging in meaningful actions as citizens in a democracy.

[Athletics](#)

The Pioneers compete in 13 intercollegiate sports including basketball, football, soccer and baseball. Games are open to the public at low or no cost.

[Connection to City of Paterson](#)

William Paterson University maintains strong ties with the City of Paterson where the institution was established in 1855. A multitude of academic programs, grants, and volunteer activities keep it an active, fruitful relationship that benefits the town and campus.

[Continuing Education](#)

Offerings include credit and noncredit courses, on campus or online, for professional and personal development, as well as special onsite programs for businesses and companies.

[Institute for Creative Aging](#)

The Institute works with older adults in our region in a variety of educational and professional development programs.

[Library](#)

The David and Lorraine Cheng Library features an extensive collection of print, multimedia, and electronic resources. Wayne residents may register to obtain borrowing privileges for circulating materials.

[Small Business Development Center](#)

Located in Paterson, New Jersey, the center provides advice and training for small business owners.

[Speech and Hearing Clinic](#)

The clinic provides auditory and speech pathology diagnosis and treatment services.

[Sports Camps](#)

The Athletics Department offers summer soccer camp for girls (grades 4 -10), basketball camp for girls (grades 4 -12), football camp for boys (grades 2 -8), and basketball camp for boys (ages

6 -17). Campers improve their strength, coordination, and athletic ability through organized team play and during supervised gym time.

[Ticketmaster](#)

Tickets to University concerts, Meadowlands events, and shows at Radio City Music Hall, Nassau Coliseum, Madison Square Garden, and numerous Broadway and off-Broadway theaters may be purchased seven days a week in the Recreation Center Ticketmaster outlet.

[University Events](#)

The University's comprehensive Events Calendar includes current listings for the varied academic, artistic and cultural offerings presented at William Paterson.

[Wayne Economic Impact Report](#)

William Paterson University contributes every day to the Township of Wayne, which it has called home since 1951, through public service and a broad range of programs and initiatives. WPU maintains a strong presence in the Wayne public schools with four professional development schools located throughout the district, as well as numerous student teachers assigned to the classroom. WPU is an annual participant in the Wayne Day celebration. Our athletes work in the community with such organizations as the Wayne PAL.