

# Graduate Catalog

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## General Information - West Virginia University

West Virginia University (WVU) was founded in 1867 as a result of the 1862 Land-Grant Act, otherwise known as the Morrill Act. As the state's flagship, land-grant university, WVU's mission reflects its dedication to serving the state and citizens of West Virginia through access to higher education, research and scholarship, and comprehensive health sciences. WVU and its divisional campuses enroll approximately 32,000 students, who represent all 55 counties of West Virginia, 50 states and the District of Columbia, and nearly 100 other countries. West Virginia University is accredited by the Higher Learning Commission (<https://www.hlcommission.org>). Many West Virginia University programs hold specialized accreditation.

WVU's main campus in Morgantown, WV, provides high-quality programs of instruction through 14 colleges and schools and offers over 190 degree programs at the baccalaureate, master's, doctoral, and professional levels, as well as numerous certificate programs. WVU's Morgantown facilities are built on more than 1,000 acres and include several buildings on the National Register of Historic Places.

The West Virginia University Robert C. Byrd Health Sciences Center (<http://home.hsc.wvu.edu>) has five schools - Dentistry, Medicine, Nursing, Pharmacy, and Public Health. Undergraduate, graduate, and professional students learn on three campuses in Morgantown, Charleston, and Martinsburg.

WVU also has two divisional campuses. Potomac State College of West Virginia University, situated in West Virginia's Eastern Panhandle in Keyser, offers associate and baccalaureate degree programs and serves both residential and commuting students. The West Virginia University Institute of Technology is located in Beckley, and serves the region and the state by offering baccalaureate degree programs.

The WVU Extension Service has an office with a faculty presence in all of West Virginia's 55 counties. WVU operates experimental farms and forests throughout the state, as well as WVU Jackson's Mill, near Weston, WV, home of West Virginia 4-H camping and the West Virginia Fire Academy.

Visit About WVU (<http://about.wvu.edu>) for updated WVU facts and achievements.

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## The Mission of West Virginia University

As a land-grant institution, the faculty, staff and students at West Virginia University commit to creating a diverse and inclusive culture that advances education, healthcare and prosperity for all by providing access and opportunity; by advancing high-impact research; and by leading transformation in West Virginia and the world through local, state and global engagement.

## RESEARCH AND SCHOLARSHIP

As West Virginia's flagship research institution, WVU undertakes scholarly activity that addresses the challenges most critical to today's world and the practice of multidisciplinary research. WVU is classified as a Doctoral University—Highest Research Activity (R1) in the Carnegie Classification of Institutions of Higher Education.

## SERVICE

West Virginia University's land-grant mission underscores its obligation to serve the public and the state of West Virginia by promoting economic development, enhancing the well-being and the quality of life of the people of West Virginia, and increasing opportunities for the citizens of the state through workforce education, lifelong learning, and outreach to every county.

West Virginia University is the only institution in West Virginia – and one of only 6% of institutions nationwide – to earn the Carnegie Foundation for the Advancement of Teaching “Community Engagement Classification.”

WVU's dedication to its service mission is manifested through its instructional programs, educational outreach, initiatives and centers, and through four structures that engage external constituencies and support public service.

### Economic Development

The Office of Research and Economic Development (<http://research.wvu.edu>) assists WVU researchers in advancing their results and putting that knowledge to work improving lives. The research enterprise of West Virginia University is diverse, richly talented, progressive, and focused on the goal of making people's lives better in the highest tradition of an American land-grant institution of higher education.

## Well-Being and Quality of Life

The Robert C. Byrd Health Sciences Center advances the health of West Virginia's residents and addresses health challenges that face the state and the nation.

### Outreach

The Smith-Lever Act of 1914 created a Cooperative Extension Service for each land-grant institution. The purpose of the Extension Service was to disseminate the findings of the universities' agricultural stations and provide training and programs on home economics and other practical subjects. WVU has sustained its commitment to the state by supporting an Extension Service office with a faculty presence in all of West Virginia's 55 counties, staffed by faculty county agents.

The educational programs and initiatives of the WVU Extension Service focus on service to the state and exemplify West Virginia University's commitment to the public good by connecting the knowledge and research of WVU with citizen and community needs. The Extension Service's programs are driven by four major initiatives: (1) 4-H youth development; (2) family and health; (3) agriculture and natural resources; and (4) community, workforce, and economic development.

## Commitment to Diversity, Equity, and Inclusion

West Virginia University is committed to ensuring that all persons, including women, people of color, persons with disabilities, veterans, and persons of different religions, sexual orientations, ages, and international, ethnic, and economic backgrounds have the opportunity to benefit from the programs and services the University offers. The University helps students, faculty, and staff study and work in a climate of academic freedom and social responsibility, and develop the skills, knowledge, and self-esteem necessary to contribute positively as world citizens.

In keeping with this commitment, members of the academic community are expected to demonstrate civility and mutual respect for all persons as well as understanding and appreciation for all persons, to express that perspective in every dimension of the institution's life and mission, and to work cooperatively, representing not only the interests of their own groups but also those of the wider community.

Individuals believing they may have been illegally discriminated against by West Virginia University may file a complaint with the Division of Diversity, Equity, and Inclusion (<http://diversity.wvu.edu>).

## Center for Excellence in Disabilities

The West Virginia University Center for Excellence in Disabilities (WVU CED) works closely with the WVU Division of Diversity, Equity, and Inclusion to connect WVU students, staff, and faculty members with disabilities to services they need throughout the WVU communities and state.

The mission of the WVU CED is to improve the lives of West Virginians with disabilities by building more diverse, inclusive communities. WVU CED is recognized, and trusted, as a leader and innovative agent in a statewide network of individual and community supports that promote respect, inclusiveness, interdependence, and access for everyone.

The WVU CED is a federally-funded center that provides:

- Direct clinical and community disability services;
- Training opportunities;
- A variety of information on best practices, services throughout the state, and policy; and
- Innovative research

WVU CED priority areas include, but are not limited to: access to quality health care services and training, employment, health and wellness, and transitions experienced throughout the lifespan.

For more information about the WVU CED and center services, go to: <http://www.cedwvu.org> or call 304-293-4692 (Morgantown), 304-720-3200 (Charleston), or 800-518-1448.

## Office of Accessibility Services

The Office of Accessibility Services (<http://accessibilityservices.wvu.edu>) is dedicated to helping students achieve their academic goals regardless of any physical, learning, psychological, sensory, or other documented disability. West Virginia University's process for providing disability-related accommodations follows guidelines of the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, and current case law.

## Commitment to Assessment

West Virginia University conducts comprehensive and systematic assessment of student learning across all locations and delivery methods. Continuous improvement of student learning is faculty-driven, conducted at the course, program, and institutional levels, and grounded in the work of the Undergraduate Council, the Graduate Council, and the University Assessment Council (UAC). UAC members from the WVU Morgantown Campus, the West Virginia University Institute of Technology, and Potomac State College of WVU align assessment with the WVU mission and strategic plan and

collaborate with the Faculty Senate General Education Foundations (GEF) committee to conduct assessment of the GEF program. The Council works to strengthen the effectiveness of assessment across all programs by:

- Facilitating faculty professional development in assessment.
- Providing consulting to departments to enhance their assessment planning and reporting.
- Compiling supporting documentation and evidence of the assessment work at WVU.
- Serving as an institutional-level clearinghouse for assessment best practices.
- Providing sustained attention on centralized, consistent, and systematic processes and policies across the University to reduce variability in assessment quality and engagement.
- Overseeing, reviewing, and commenting upon program review policies, processes, and reports.

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## Governor of West Virginia

- Jim Justice, *Governor*

## West Virginia University Board of Governors

- William D. Wilmoth, *Chair, Wheeling*
- David B. Alvarez, *Vice Chair, Bridgeport*
- Taunja Willis Miller, *Secretary, Morgantown*
- Timothy Bailey, *Hurricane*
- Elmer Coppoolse, *Lewisburg*
- Thomas V. Flaherty, *Charleston*
- Thomas A. Heywood, *Charleston*
- Dr. Stanley Hileman, *Faculty Representative, Morgantown*
- Blake Humphrey, *Student Representative, Wheeling*
- J. Thomas Jones, *Morgantown*
- Dixie Martinelli, *Classified Staff Representative, Morgantown*
- Edward L. Robinson, *Charleston*
- J. Robert "JR" Rogers, *Hurricane*
- Benjamin M. Statler, *Pittsburgh*
- Dr. Matthew C. Valenti, *Faculty Representative, Morgantown*
- Kimberly Weaver, *Baltimore, MD*

The West Virginia University Board of Governors (the "Board") was created by the West Virginia Legislature as the governing body of the West Virginia University system, including West Virginia University, West Virginia University Potomac State College, and West Virginia University Institute of Technology (collectively the "University"). The Board has the mission of general supervision and control over the academic and business affairs of the University.

West Virginia University is an Equal Opportunity/Affirmative Action Institution. The University does not discriminate on the basis of race, sex, age, disability, protected veteran status, religion, sexual orientation, color, national origin, or other class protected by the University's non-discrimination policy (BOG Policy 44 ([http://catalog.wvu.edu/graduate/Policy\\_44\\_-\\_December\\_18\\_2015\\_Amendment.pdf](http://catalog.wvu.edu/graduate/Policy_44_-_December_18_2015_Amendment.pdf))) in the administration of any of its educational programs or activities or with respect to admission or employment. Further, faculty, staff, students, and applicants are protected from retaliation for filing complaints or assisting in an investigation under the University's Equal Opportunity/Affirmative Action Plan. Inquiries regarding the University's non-discrimination policy may be sent to the Office of Diversity, Equity, and Inclusion.

## West Virginia University Administration

- E. Gordon Gee, *President*
- Joyce McConnell, *Provost and Vice President for Academic Affairs*

## Deans

- *Benjamin M. Statler College of Engineering and Mineral Resources, Eugene V. Cilento*

- *College of Business and Economics*, Javier Reyes
- *College of Creative Arts*, H. Keith Jackson (Interim)
- *College of Education and Human Services*, Gypsy Denzine
- *College of Law*, Gregory W. Bowman
- *College of Physical Activity and Sport Sciences*, Dana D. Brooks
- *Davis College of Agriculture, Natural Resources, and Design*, Daniel J. Robison
- *Dean of Students*, G. Corey Farris
- *Eberly College of Arts and Sciences*, Gregory Dunaway
- *Honors College*, Kenneth P. Blemings
- *Reed College of Media*, Maryanne Reed
- *School of Dentistry*, Thomas Borgia
- *School of Medicine*, Clay Marsh
- *School of Nursing*, Tara Hulsey
- *School of Pharmacy*, William P. Petros
- *School of Public Health*, Jeffrey Coben
- *University Libraries*, Karen Diaz (Interim)

## Distinguished Professors

- Daniel Alkon, Toyota Chair for Neurodegenerative Disease Research
- Brian Anderson, GE Plastics Materials Engineering Professorship
- James Anderson, Davis Michael Professor of Forestry and Natural Resources
- Nancy Andrews, Ogden Newspapers Professorship
- Gerald G. Ashdown, James H. "Buck" and June M. Harless Professor of Law, Emeritus
- Vinay Badhwar, Gordon F. Murray Chair of Cardiothoracic Surgery
- Karl Barth, Samples Professorship of Civil and Environmental Engineering
- Robert M. Bastress, John W. Fisher II Professor of Law
- Robert E. Blobaum, Eberly Family Distinguished Professor of History
- Forest Bowman, Jackson Kelly Professor of Law, Emeritus
- Gregory Bowman, William J. Maier, Jr. Dean
- Naomi Boyd, Fred T. Tattershell Chair in Finance
- Laura Brady, Eberly Family Professor of Outstanding Teaching
- James E. Brick, Dr. Edmund B. Flink Chair of Internal Medicine Fund #1
- John Brick, JF Brick Endowed Chair in Neurology
- James Brown, K-Mart Corporation Chair of Marketing
- William I. Brustein, Eberly Family Distinguished Professor of History
- Vincent P. Cardi, Bowles, Rice, McDavid, Graff and Love Professor of Law
- Tim Carr, Marshall S. Miller Energy Professor of Geology
- Linda M. Carson, Ware Distinguished Professor, Emerita
- William H. Carter, Warren Point Chair of Internal Medicine
- Judie F. Charlton, Judie F. Charlton Chair for Glaucoma Outreach
- Shawn Chillag, Patricia T. Ayash Distinguished Professorship/Internal Medicine Charleston Division
- Nigel N. Clark, George B. Berry Chair of Engineering
- Franklin D. Cleckley, Arthur B. Hodges Professor of Law, Emeritus
- Roger Congleton, BB&T Chair of Economics
- Patrick W. Conner, Eberly Centennial Professor in English, Emeritus
- Robert Dailey, Davis Michael Professor of Animal and Nutritional Sciences
- Walter Dekeseredy, Anne Deane Carlson Endowed Chair of Social Sciences
- Lisa DiBartolomeo, Armand E. and Mary W. Singer Professor in the Humanities
- Robert DiClerico, Eberly Family Professor Outstanding Teaching, Emeritus
- Charles R. DiSalvo, Woodrow A. Potesta Professor of Law
- Gregory Dudley, Eberly Family Distinguished Professor of Chemistry
- Richard Dull, GoMart Professor in Accounting Information Systems

- Barry A. Edelstein, Eberly Family Professor of Psychology
- James Elkins, Arthur S. Dayton Professor Law
- Eloise Elliott, The Ware Family Distinguished Professorship
- Ali Feliachi, Electric Power Systems Chair
- John W. Fisher, II, William J. Maier Jr. Dean Emeritus and Robert M. Steptoe and James D. Steptoe Professor of Property Law, Emeritus
- Paula F. Fitzgerald, Nathan Haddad Professor of Business Administration
- Kenneth Fones-Wolf, The Stuart and Joyce Robbins Chair in History
- Stephanie Foote, Jackson & Nichols Chair of English
- Mathis P. Frick, O. F. Gabriele Chair of Radiology
- James J. Friedberg, Hale J. and Roscoe P. Posten Professor of Law
- Hota Gangarao, Wadsworth Professorship
- Laura Gibson, Alexander B. Osborn Distinguished Professor in Hematological Malignancies Research
- Ronald L. Gross, Jane McDermott Shott Chair of Ophthalmology
- Rakesh K. Gupta, Berry Chair of Chemical Engineering
- Michael Gutensohn, Ray Marsh and Arthur Pingree Dye Professor
- Ludwig Gutmann, Hazel Ruby McQuain Chair of Neurological Research
- Joseph Hagan, Barnette Professor of Political Science
- Trevor M. Harris, Eberly Family Professor of Geography
- Keith Heasley, Charles T. Holland Professor of Mining Engineering
- John Herbst, Murray Department Chair of Mining Engineering
- Erik Herron, Eberly Family Professor of Political Science
- JoAnn Hornsby, Interim Hazel Ruby McQuain Arthritis/Rheumatic Disease Chair
- Tara Hulsey, E. Jane Martin Professor of Nursing
- Glen P. Jackson, Ming Hsieh Teaching Professor of Forensic and Investigative Science
- Abnash Jain, Abnash C. Jain Distinguished Professorship in Cardiology
- Thomas Kammer, Eberly College Centennial Professor, Emeritus
- Vlad Keckojevic, Massey Foundation Professor of Mining Engineering
- Alexander Kurov, Fred T. Tattersall Chair in Finance
- Kennon A. Lattal, Eberly College Centennial Professor of Psychology
- Lian Li, Robert L. Carroll Chair of Physics
- Huey Hannah Lin, J. Vance and Florence Highland Johnson Teaching Professor of Chinese Studies
- Paul Lockman, Douglas D. Glover Endowed Chair of the Department of Basic Pharmaceutical Sciences
- Anne Marie Lofaso, Arthur B. Hodges Professor of Law
- Barbara Ludlow, Chester E. and Helen B. Derrick Teacher Education Endowed Professor, Special Education
- Diana Martinelli, Widmeyer Professorship in Public Relations
- Michael Mays, Eberly Distinguished Professor of Outstanding Teaching, Emeritus
- Mary McClung, Mabel DeVries Tanner Endowed Professor of Theatre
- Joyce E. McConnell, Thomas R. Goodwin Professor of Law
- Marjorie A. McDiarmid, Steptoe and Johnson Professor of Law and Technology
- Patrick C. McGinley, Charles H. Haden, Jr. Professor of Law
- James McGraw, Eberly Family Professor of Biology
- James A. McLaughlin, Robert L. Shuman Professor of Law, Emeritus
- Maura McLaughlin, Eberly Family Distinguished Professor of Physics and Astronomy
- Daniel McNeil, Eberly Family Professor for Outstanding Public Service
- Mark D. Miller, Dana L. & Peggy M. Farnsworth Chair in Educational Psychiatry
- Keith Morris, Ming Hsieh Distinguished Professor of Forensic and Investigative Science
- Tracy Morris, Eberly Family Professorship for Outstanding Teaching
- Scott Myers, Peggy Rardin McConnell Chair of Communication Studies
- R. Osvaldo Navia, Grace Kinney Mead Chair of Geriatrics
- William Neal, James H. Walker Chair of Pediatric Cardiology
- Peter Ngan, Branson-Maddrell Endowed Professorship in Orthodontics
- Daniel Panaccione, Davis Michael Professor of Plant and Soil Sciences

- John Parker, N. Leroy Lapp Professorship of Pulmonary and Critical Care Medicine
- Syd S. Peng, Charles E. Lawall Chair in Mining Engineering, Emeritus
- William P. Petros, Gates Wigner Endowed Deanship and Mylan Chair of Pharmacology
- Jason Phillips, Eberly Family Professor of Civil War Studies
- Ubolrat Piamjariyakul, WVUH Evidence Based Research Endowed Professorship
- Christopher Plein, Eberly Family Professor for Outstanding Public Service
- Joseph Prudomme, Christopher Cline Chair in Orthopedic Surgery
- Lois Raimondo, Shott Chair of Journalism
- Hayne W. Reese, Centennial Professor of Psychology, Emeritus
- Patricia Rice, Eberly Family Professor for Outstanding Teaching, Emerita
- Bryan Richmond, William J. Maier, Jr. Chair of Research
- Richard A. Riley, Louis F. Tanner Distinguished Professor of Public Accounting
- Terry L. Rose, Ernest L. Hogan Chair of Life Insurance
- J. Michael Ruppert, Jo and Ben Statler Eminent Scholar and Chair, Breast Cancer Research Clinical Pharmacy, Emeritus
- Kathleen "Katy" O'Hearn Ryan, Eberly Family Professorship for Outstanding Teaching
- Ludwig Christian Schaupp, David W. and Nancy F. Hamstead Professor of Accounting
- Terry Schwinghammer, Arthur I. Jackowitz Chair for Clinical Pharmacy
- Earl Scime, Oleg D. Jefimenko Professor of Physics
- Vicki Sealey, Russell & Ruth Bolton Eberly College Professorship
- Mohindar Seehra, Eberly Professor in Physics, Emeritus
- Kenneth Showalter, C. Eugene Bennett Distinguished Chair in Chemistry
- David Siderovski, E. J. Van Liere Medicine Professorship
- James Simpkins, Barbara B. Highland Chair in Stroke
- Gordon Smith, Stuart and Joyce Robbins Distinguished Professor in Epidemiology
- Janet Snyder, J. Bernard Schultz Endowed Professor of Art
- George W. Spirou, John W. and Jeanette S. Straton Research Chair in Neuroscience
- Gay Stewart, Eberly Professor of STEM Education
- Donley Studlar, Eberly Family Professor of Political Science, Emeritus
- Timothy Sweet, Eberly Professor of American Literature
- John Taylor, Jackson Kelly Professor of Law
- Richard Turton, Russell and Ruth Bolton WVU Professorship for Outstanding Teaching
- Michael Vernon, Sanger Chair of Family Planning and Reproductive Physiology
- Kung Wang, Eberly Family Professorship of Chemistry
- Barbara Warash, Endowed Director, WVU Child Development and Nursery School
- Bryan Weaver, Dr. Edward C. Ambrecht Oral and Maxillofacial Surgery Professorship
- Stephen Wetmore, Romeo Lim and Maria Lim Chair of Otolaryngology
- Joshua Blackmer Williamson, Mabel DeVries Tanner Endowed Professor of Theatre
- Alison Wilson, Skewes Family Chair for Trauma
- Brian D. Woerner, Endowed Lane Department Chair Professorship
- John Zaniewski, Asphalt Technology Professorship
- C. Q. Zhang, Eberly Family Professorship of Mathematics
- Sam Zizzi, Dr. Pat Fehl Endowed Professor