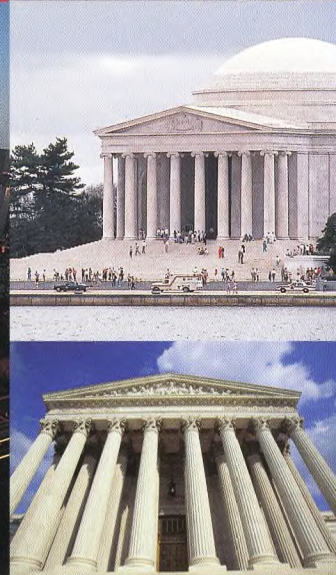
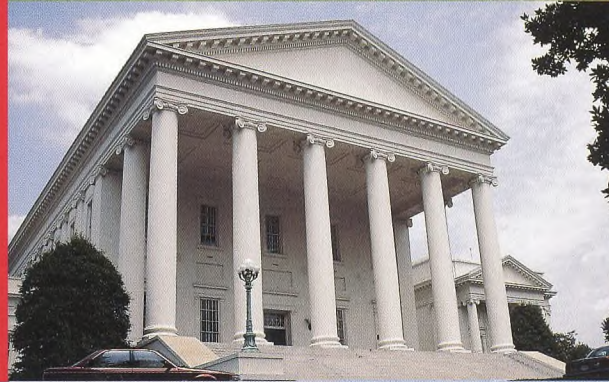


THE DOCTOR OF  
PHILOSOPHY IN

# PUBLIC POLICY

*Shaping our  
society with  
understanding  
and vision...*



# George Mason University

## The Institute of Public Policy



# The Doctor of Philosophy in Public Policy

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**T**he doctoral program in public policy seeks to prepare its graduates to assume positions of significant responsibility in academia, government, and the private and public sectors. Our focus is on analytical and research-based approaches to public policy. We seek to understand the underlying determinants of public policy choices, to analyze and improve the implementation of policy, and to identify and assess new opportunities to address emerging issues.

To these ends, the doctoral program places a substantial emphasis on research methodology, research literature, effective professional communications to both expert and lay audiences, and an interdisciplinary approach encompassing all the significant dimensions of policy issues. Political theory and philosophy inform our understanding, as do empirical data, model building, and historical and real-world understanding of specific circumstances, cases, and issues. In addition to focused studies and research in specific areas of concentration, the program requires advanced preparation in such cross-cutting areas as the relationship of national culture and value choices to the definition and acceptable solution to policy problems, comparative national systems for public policymaking, and the constellation of international-level challenges currently facing policymakers and the public.

The doctoral program emphasizes innovative approaches to policy decisions. These interests result from a view that social and economic changes caused by continuing developments in modern technology require modifications in the substance of public policy, as well as in the way in which public decisions are made. The program

contributes to new concepts in policy formation, while building on the fundamental, pluralistic, democratic characteristics of policymaking in the United States. Appropriate techniques of investigation and analysis are also emphasized. The institute is committed to working closely with the university's initiatives in computational science, information technology, organizational learning, bioinformatics, environmental science, conflict analysis and management, health, intelligent transportation systems, and other policy-related fields.

*The Center for the Arts on the Fairfax Campus presents international performing artists and groups. Free tickets are available to students.*





## About the Program

The Ph.D. program is part of The Institute of Public Policy (TIPP) at George Mason University. TIPP was inaugurated in 1991 to focus George Mason University's commitment to public policy studies and research. The free-standing structure of the institute and its dedication to interdisciplinary education and research at the doctoral level allow it to reach across the university's schools and colleges to bring together knowledge and skills needed to address a wide variety of policy concerns.

While most of its core faculty hold full-time, tenured positions within TIPP, some members of the TIPP faculty are from other university departments and institutes. All are central in contributing to TIPP's educational and research objectives. The core faculty is involved in teaching both in the doctoral program and in the master of arts in international transactions (M.A.I.T.) program, as well as in extensive research activities in areas that include foreign trade and pricing, comparative culture and political institutions, science and technology policy, regional economic analysis and modeling, and information infrastructure. Research grants awarded to TIPP faculty members exceeded \$5 million in 1996-97.

### THE PROGRAM REQUIREMENTS

The doctoral program in public policy seeks to prepare its graduates for positions of responsibility in academic institutions, industry, governments of all levels, and profit and not-for-profit institutions dedicated to the improvement of both the substance and the processes of public policymaking in the United States and abroad. The program features a rigorous combination

of course work and research in a profoundly interdisciplinary setting. Core courses and research seminars are offered by a distinguished faculty drawn from both The Institute of Public Policy and other departments and units of the university. The program reflects a major commitment by George Mason University to research, teaching, and service in the field of public policy as one of its focal areas for future growth.

To ensure that every student becomes a member of a community of scholars sharing a common understanding and knowledge base, the program requires advanced course work or the equivalent in several core areas, as well as a two-course sequence of advanced seminars in one of the program's concentrations. These research areas and associated seminars evolve as the balance of interests among the faculty members changes in response to external developments and disciplinary opportunities. Seminars are currently organized around the following concentrations: evolutionary systems and economic policy; governance and public management; organizational informatics and electronic commerce; regional development policy; science and technology policy; and society, values, and policy.

Other areas of faculty research and teaching interests include intelligent transportation systems, industrial innovation, and networked information systems policy.

While the interests of students and faculty members range widely, some key concepts underlie many activities in the doctoral program and in The Institute of Public Policy, with which it is associated. First, advances in technology—



*The program provides students with extensive opportunities to work with distinguished faculty.*

which increasingly are planned and managed explicitly within the public and private sectors—significantly influence the profound changes modern societies are experiencing. Second, the nature of those technologies and of the concomitant changes in societies are shaped by deeply rooted cultural concepts and traditions. Third, place and location do matter—regions at the substate and subnational levels are increasingly the focus of economic, cultural, and political development, and are where technology has its impact. Fourth, the emerging sciences of complex systems offer important keys to interpreting the present and developing the future. And fifth, knowledge of public challenges and public policies around the world is essential not only to society understanding itself in comparative perspective, but also to understanding the environment within which citizens, organizations, and nations must learn to succeed in the future.

In terms of course work, students must demonstrate competence in the public policy process and in several analytical methods of policy research, and must complete a set of core courses, two advanced research seminars in one



concentration, one advanced seminar in another concentration, and a set of advanced analytical requirements. In addition, the program requires passage of qualifying and field examinations, as well as the completion and defense of a research-based doctoral dissertation.

### APPLICATIONS

The Institute of Public Policy at George Mason University welcomes applications for the doctoral program in public policy from qualified individuals from Virginia, the United States, and the world. Applications are accepted for admission in both the fall and spring semesters, for both full-time and part-time study. Application decisions are made on a rolling basis once all application materials are received.

Applications should be sent to the George Mason University Office of Admissions. In addition, to ensure that applications are addressed in a timely manner, applicants are encouraged to inform the institute directly that they have applied to the program.

Applicants must have a master's degree and should submit the following materials:

1. application for graduate admissions
2. official transcripts of all university work
3. two letters of reference
4. a two-page written goals statement
5. a 5- to 10-page writing sample (e.g., research paper, technical report, or publication)
6. a personal résumé or vitae showing educational and work history
7. GRE or GMAT scores
8. TOEFL scores (international applicants)

Application deadline for the fall semester is May 1 (April 1 if requesting financial support).

Application deadline for the spring semester is November 1, with financial support awarded on an "as available" basis. For general information on admissions, please contact the Office of Admissions.

### INTERNATIONAL STUDENTS

Students whose first language is other than English, or who have not received a degree from an English-speaking institution, must achieve a score of 575 or higher on the Test of English as a Foreign Language (TOEFL).

### CONCENTRATIONS

The present areas of concentration in the doctoral program include the following:

- ◆ governance and public management policy
- ◆ science and technology policy
- ◆ regional economic development policy
- ◆ evolutionary systems and economic policy
- ◆ society, values, and policy
- ◆ organizational informatics and policy

We do not see these areas as isolated, rather as focal points for interaction.



### INNOVATIVE APPROACHES

In addition to classroom study at George Mason, the doctoral program supports student internships, cooperative planning and research activities with private- and public-sector employers, and a variety of study-abroad experiences.

### FACILITIES

George Mason University is located 15 miles west of Washington, D.C., in suburban Fairfax, Virginia. Its location near the nation's seat of government offers students and faculty members unique opportunities for studying federal policymaking.

In addition to research facilities on campus, the university is a short distance from major research facilities in the Washington, D.C., area. These include the Library of Congress, the National Archives, and numerous governmental agencies. Mason's Fenwick Library, which houses 600,000 volumes, is pioneering electronic global access to research materials. George Mason provides each student with a permanent mainframe computer account that allows for electronic mail and World Wide Web access. In addition, Mason is a member of the Washington Regional Library Consortium, giving students access to 4 million volumes.

***Public policy solutions are frequently generated by interdisciplinary teams.***



# About the Faculty

## CORE FACULTY

**Gary M. Johnson**, Professor of Public Policy and Computational Science and Director of the Doctoral Program in Public Policy; Ph.D., Université Libré de Bruxelles, 1979. Computing, information, and telecommunications policy.

**Kingsley E. Haynes**, University Professor and Director of The Institute of Public Policy; Ph.D., Johns Hopkins University, 1970. Infrastructure, regional economic analysis, regional development and policy.

**Roger R. Stough**, Northern Virginia Professor of Public Policy and Associate Director of The Institute of Public Policy; Ph.D., Johns Hopkins University, 1978. Intelligent transportation systems institutional issues, relationships between transportation and economic development, technology-led regional economics.

**Larry S. Bowen**, University Professor of Education and Public Policy and Emeritus Dean; Ph.D., The Ohio State University, 1970. Education policy, K-12 standards, teacher professional development, and school reform/transformation.

**Kenneth J. Button**, Professor of Public Policy; Ph.D., Loughborough University, U.K., 1981. Transportation economics and policy, economics of regulation, aviation policy, analytic modeling, policy analysis.

**Desmond Dinan**, Associate Professor of International Transactions; Ph.D., National University of Ireland, 1985.

**James H. Finkelstein**, Administrator and Professor (Administrative); Ph.D., The Ohio State University, 1980. Education and information technology policy.

**Francis Fukuyama**, Hirst Professor of Public Policy and Director of the M.A.I.T. Program; Ph.D., Harvard University, 1981. Former Deputy Director of Policy Planning at the U.S. State Department and author of the best-selling books *The End of History and the Last Man* and *Trust*.

**Stephen S. Fuller**, Professor of Public Policy and Regional Development; Ph.D., Cornell University, 1969. Regional economic development; the Washington, D.C., regional economy; economic performance indicators.

**Thomas R. Gullledge**, Professor of Public Policy and Operations Research; Ph.D., Clemson University, 1981. Organizational informatics, systems engineering economics, defense policy, and technology transfer.

**Jack C. High**, Professor of Public Policy; Ph.D., University of California at Los Angeles, 1980. Business and economic history,

international policy and business.

**Christopher T. Hill**, Professor of Public Policy and Technology and Vice Provost for Research; Ph.D., University of Wisconsin-Madison, 1969. Federal science and technology policy, industrial research and development, Congress.

**George W. Johnson**, President Emeritus; Ph.D., Columbia University, 1960.

**Don E. Kash**, Hazel Professor of Public Policy; Ph.D., University of Iowa, 1963. Science and technology, energy policy. Author of *Perpetual Innovation: The New World of Competition*.

**Seymour Martin Lipset**, Hazel Professor of Public Policy; Ph.D., Columbia University, 1949. Author of *Political Man*, *The First New Nation*, *American Exceptionalism*, and other classics.

**Stuart S. Malawer**, Distinguished Professor of Law and International Trade; Ph.D., University of Pennsylvania, 1976. International trade law and trade impacts on state government.

**Wayne D. Perry**, Professor of Public Policy and Operations Research; Ph.D., Carnegie Mellon University, 1975. Arms control policy, regulatory policy, risk assessment.

**Chris Rodrigo**, Associate Professor of International Transactions; Ph.D., Cornell University, 1994, Ph.D., University of London, 1970. Author of *Trade, Technology, and Productivity Growth in East Asia*.

**Edgar H. Sibley**, University Professor; Sc.D., Massachusetts Institute of Technology, 1967. Policy and information technology, international and national issues in information technology.

**John N. Warfield**, University Professor; Ph.D., Purdue University, 1952. Complexity, with applications to organizational design, interactive management.



*Clockwise from top, Dr. Kingsley Haynes, Dr. Don E. Kash, Dr. Roger Stough, Dr. Wayne D. Perry, Dr. Seymour Martin Lipset, Dr. Francis Fukuyama.*



## VISITING AND RESEARCH FACULTY

**Susan Aaronson**, Assistant Visiting Professor, specializes in U.S. trade policy.

**David Anderson**, Research Associate Professor, conducts research in educational policy and substance abuse prevention programs.

**David J. Armor**, Research Professor, specializes in policy analysis, organizational behavior, and personnel planning.

**Paul M.A. Baker**, Administrative Assistant Professor and Director of Student Affairs, specializes in information infrastructure policy and innovation in local government policymaking.

**Erich Bloch**, Distinguished Visiting Professor and former Director of National Science Foundation, specializes in international science policy.

**Rex Brown**, Research Professor, focuses on institutional and individual decision-making strategies.

**George Cook**, Affiliate Professor, lectures on regional economic development local government policymaking.

**Elly Doyle**, Research Associate Professor, works on regional transportation issues.

**Joel Garreau**, Research Professor, writes on regional development and policy issues, and social change. Senior editor for the *Washington Post*.

**Gayle Hamilton**, Research Associate Professor, Center for the Advancement of Public Health, specializes in public health policy.

**James T. Hennessey**, Research Assistant Professor and Executive Director, Congressional Institute for the Future, conducts research in the areas of organizational change, reinvention of government, and public administration.

**Rajendra G. Kulkarni**, Assistant Research Scientist, focuses on analysis and modeling of regional economies and information systems development.

**Arthur S. Melmed**, Research Professor, is primarily concerned with R&D policy for technology in education and issues related to information infrastructure development.

**Jean Paelinck**, Distinguished Visiting Professor of Public Policy, has written extensively on regional econometric modeling.

**J. Thomas Ratchford**, Professor of Science and Technology Policy and former Assistant Director in the White House Office of Science and Technology

**Laurie Schintler**, Research Assistant Professor, specializes in regional econometric modeling and transportation-related research.

**Ranier Sommer**, Research Associate Professor, lectures in the areas of systems analysis and design, data/telecommunication networks, and re-engineering in the public sector.

**Lawrence Stern**, Research Professor, specializes in aerospace technology and policy.

## SELECTED AFFILIATED FACULTY

**Mark Addleson**, Associate Professor, Program on Social and Organizational Learning

**Kevin P. Clements**, Director, Institute for Conflict Analysis and Resolution

**Timothy Conlan**, Associate Professor, Department of Public and International Affairs

**Thomas Dietz**, Professor, Department of Sociology and Anthropology

**Terry L. Friesz**, Professor, Department of Operations Research and Engineering

**Jonathan Gifford**, Associate Professor, Department of Public and International Affairs

**Gregory A. Guagnano**, Associate Professor, Department of Sociology and Anthropology

**Hugh Hecl**, Robinson Professor of Public Affairs

**Don Lavoie**, Koch Professor, Program on Social and Organizational Learning

**Julianne Mahler**, Associate Professor, Department of Public and International Affairs

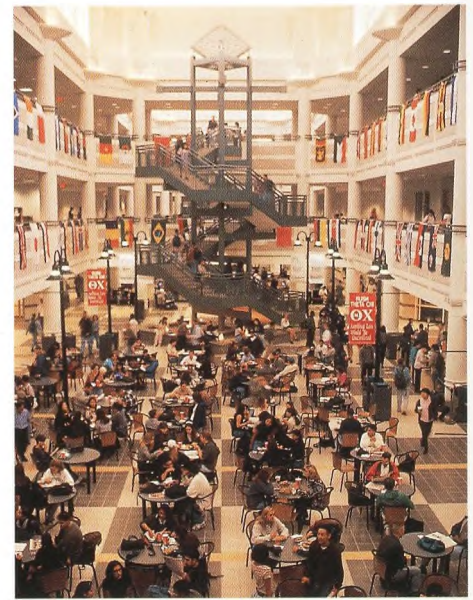
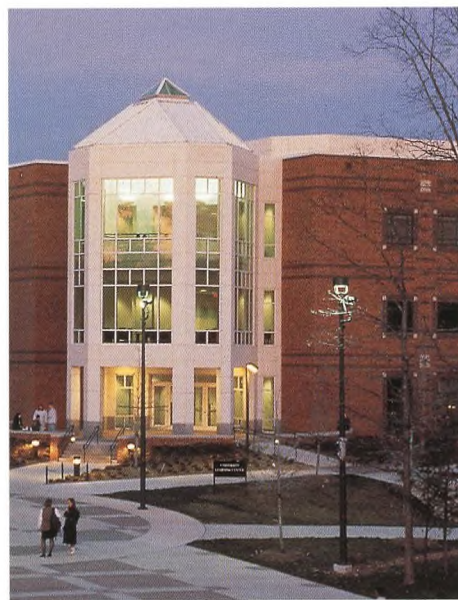
**James Pfiffner**, Professor, Department of Public and International Affairs

**Priscilla M. Regan**, Associate Professor, Department of Public and International Affairs

**Joseph A. Scimecca**, Professor, Department of Sociology and Anthropology

**Louise White**, Professor and Chair, Department of Public and International Affairs

*Called "a student union for a new generation" by The Chronicle of Higher Education, the Johnson Center combines student support services with academic functions.*





## A Message from the Ph.D. Director

The doctoral program in public policy is a challenging, interdisciplinary course of study that prepares its students for senior policy roles, from which they will participate in the shaping of our society. It is based in one of the fastest growing and most innovative universities in the country and is located near the institutions of federal policymaking.



We live in a time of major change. The cold war is over. The nature of both war and peace has changed. Regionalization and cultural heterogeneity are growing trends. Our economy has become interdependent with the global economy. The high-tech goods and services that we produce require a rethinking of the ways in which we structure our business environment. Computers and the Internet have opened important questions regarding issues such as intellectual property and its protection, electronic commerce, education, national security, privacy, and freedom of expression.

The doctoral program in public policy is designed to prepare its graduates to take on major roles in formulating solutions to the problems posed by our rapidly changing world. The program reflects the interdisciplinary nature of events in the real world. It emphasizes effective problem solving based on excellent quantitative skills and a thorough understanding of the issues and their social and political environments.

Part of The Institute of Public Policy, the doctoral program has access to world-class faculty members in the nation's capital. The George Mason University faculty has long been known for innovation in its curriculum and teaching methods, and has created a series of interdisciplinary programs to deal with a rapidly changing world.

—Gary M. Johnson

George Mason University





## About the University

George Mason University has emerged in the last decade as a major university in the state and in the nation. Its development has been shaped in response to the educational needs of a cosmopolitan constituency. By emphasizing high technology, public policy, and the fine and performing arts, the university has formed links with the community and state.

George Mason's innovative programs and visionary outlook have attracted a faculty of world-renowned scholars and teachers. Enrollment is now more than 24,000 students studying in more than 100 degree programs at undergraduate, master's, doctoral, and professional levels.

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### **For more information**

**Ph.D. Program Coordinator**  
**The Institute of Public Policy, MS 3C6**

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Fairfax, Virginia 22030-4444  
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**World Wide Web:** <http://www.gmu.edu/departments/tipp>

*Resources in the Washington metropolitan area, like the Library of Congress, offer ample opportunities for research, employment, or entertainment.*