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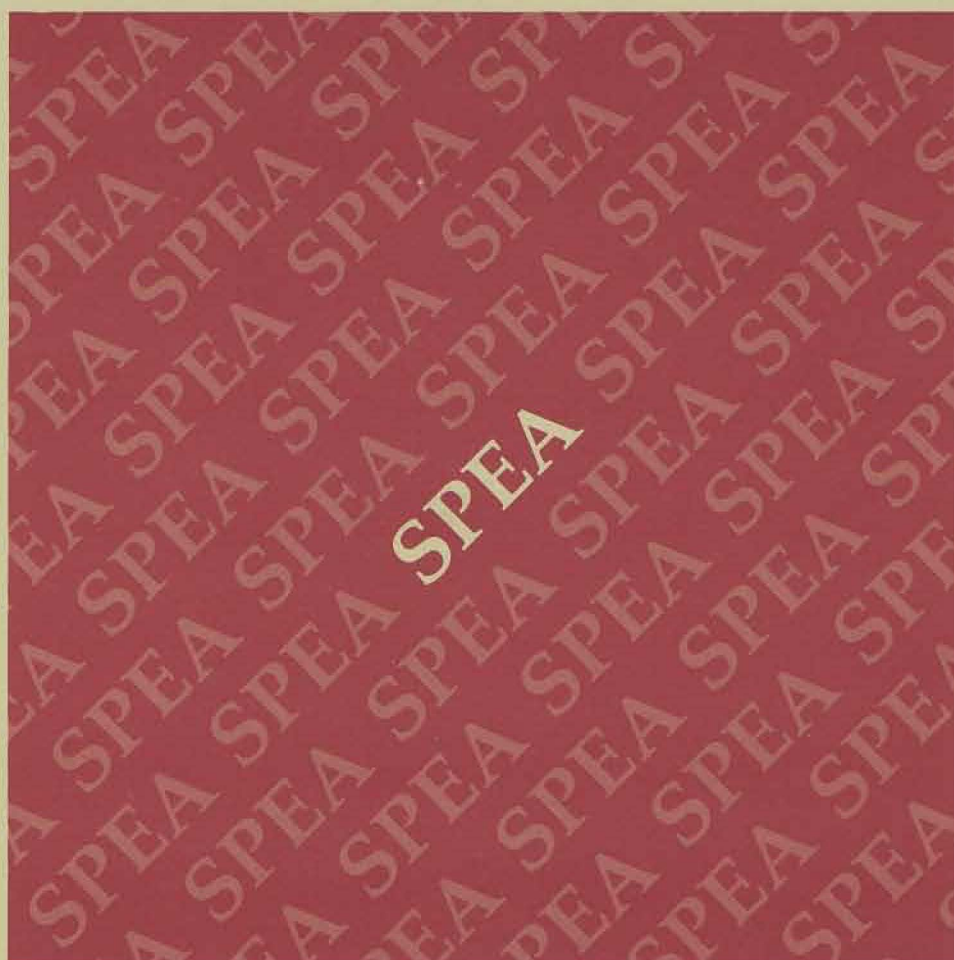
Indiana University Bulletin 82-84

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**School of  
Public and Environmental Affairs**

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Public Affairs Graduate Programs



## Indiana University Bloomington

- \*College of Arts and Sciences
- School of Journalism
- \*School of Business<sup>1</sup>
- \*School of Continuing Studies<sup>2</sup>
- \*School of Education<sup>1</sup>
- \*School of Health, Physical Education, and Recreation
- \*School of Law-Bloomington
- \*School of Music
- \*School of Optometry
- \*School of Public and Environmental Affairs
- \*Graduate School
- \*School of Library and Information Science
- \*University Division

## Indiana University-Purdue University at Indianapolis

- \*School of Business<sup>1</sup>
- \*School of Continuing Studies<sup>2</sup>
- \*School of Dentistry
- \*School of Education<sup>1</sup>
- School of Engineering and Technology (Purdue University)
- \*Herron School of Art
- \*School of Law-Indianapolis
- \*School of Liberal Arts
- \*School of Medicine
- \*Division of Allied Health Sciences
- \*Division of Continuing Medical Education
- \*School of Nursing
- \*School of Physical Education
- \*School of Public and Environmental Affairs
- School of Science (Purdue University)
- \*School of Social Work
- IUPUI University Division
- Columbus (Indiana) Campus of IUPUI

## The Regional Campuses

- Indiana University East (Richmond)
- Indiana University at Kokomo
- Indiana University Northwest (Gary)
- Indiana University at South Bend
- Indiana University Southeast (New Albany)
- Indiana University-Purdue University at Fort Wayne (IPFW)

Bulletins for the divisions of the University marked (\*) above may be obtained from the Office of Admissions, Student Services Building, Indiana University, Bloomington, Indiana 47405. (Please note that there are two Indiana University Schools of Law and be sure to specify whether you want a bulletin of the Bloomington or the Indianapolis School.)

IUPUI bulletins for Purdue programs and for the IUPUI University Division may be obtained by writing directly to those units on the Indianapolis campus.

Write directly to the individual regional campus for its bulletin.

<sup>1</sup> Two bulletins are issued: graduate and undergraduate.

<sup>2</sup> Brochures on the Independent Study Division, Labor Studies, External Degrees, and Real Estate Certification Program are available from this School (Owen Hall).

## Indiana University Bulletin 82-84

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## School of Public and Environmental Affairs

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### Public Affairs Graduate Programs



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# Contents

- 1 Continuity and Change: The School of Public and Environmental Affairs
- 2 The University and its Communities
- 4 The MPA: The Professional in the Public Sector
- 5 Mid-Career Option
- 5 Internships and Placement
- 8 MPA Curriculum
- 10 Concentrations in Depth
- 23 Graduate Course Descriptions
- 29 Other Graduate Programs
- 29 Public Management Certificate
- 29 SPEA-University of Paris Exchange
- 30 State Capitol Graduate Program
- 30 Accelerated Masters Program
- 31 Doctor of Jurisprudence-Master of Public Affairs
- 32 Master of Library Science-Master of Public Affairs
- 33 Doctor of Optometry-Master of Public Affairs
- 34 Master of Science in Environmental Science
- 35 Master of Public Affairs-Master of Science in Environmental Science
- 36 Ph.D. in Political Science and Public Affairs
- 39 Ph.D. in Regional Analysis and Planning
- 42 Doctoral Minors
- 44 Ph.D. in Environmental Science
- 46 Admissions Information
- 46 Application Procedures and Policies
- 54 Financial Assistance
- 58 Student Services and Organizations
- 58 School of Public and Environmental Affairs Library
- 58 Student Health Service
- 59 Housing
- 59 Pi Alpha Alpha
- 59 ISPA/ASPA
- 60 Graduate Student Association
- 60 Minority Student Coalition
- 60 Faculty, School of Public and Environmental Affairs, 1981-83
- 64 A Community of Research and Service: Institutes, Centers, and Programs
- 68 Useful Campus Offices



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## Continuity and Change: The School of Public and Environmental Affairs

Today, the resources of the University are applied to solve the problems created by people interacting with their environments, whether social, political, economic, or physical. In particular, the problems of public policy and the environment demand effective treatment. Indiana University established the School of Public and Environmental Affairs in 1972 to address these concerns.

The University's Trustees have not assigned a traditional academic focus to SPEA, but instead have directed the School to develop an interdisciplinary program and broad educational philosophy which would include the entire range of public and environmental affairs. The School of Public and Environmental Affairs integrates academic research, career preparation for individuals, and the practical needs of organizations and government agencies in Indiana and ultimately the nation. To this end, SPEA operates statewide on seven university campuses in Bloomington, Indianapolis, South Bend, Gary, Fort Wayne, Richmond, and Kokomo, and maintains a distinguished faculty with significant practical experience and outstanding scholarly credentials.

SPEA's academic programs are informed by a similar broad-based understanding of the complexities and interconnections of public policy and environmental concerns. Since the diverse and changing environment of public service requires the development of special skills and understanding, the final consideration in developing the School's curriculum is the desire that education

include more than just the classroom and more than just full-time students. It is not possible, for example, to overemphasize the importance of a professional internship as part of the student's academic experience. It provides career goal definition and clarification, exposure to the professional world of work, and experience that will greatly enhance the student's competitive position during a job search. On the other hand, professional experience can and should be balanced by formal and rigorous academic training. Increasing demands for effectiveness and accountability in government services have led to a corresponding demand for public executives who are familiar with the administrative and policy-making problems encountered in public sector agencies at all levels of government. Though formal education cannot substitute for professional experience, the Master of Public Affairs is designed to help future professionals and mid-career public servants see specialized, practical problems in broad perspective.





## The University and its Communities

The SPEA Master of Public Affairs appears on the Roster of National Association of Schools of Public Affairs and Administration programs found to be in substantial conformity with standards for professional master's degrees in public affairs and administration. Students who seek a well-rounded, integrated graduate education in the field of public and environmental affairs have the option either of enrolling with SPEA in Bloomington, a more traditional residential campus, or attending one of the school's nonresidential urban campuses. The SPEA graduate programs on the Bloomington and Indianapolis campuses, by virtue of their close geographical proximity, involve exchanges of faculty and close coordination of course offerings, internships, lectures, and job placements. Some MPA students live between the two cities and take courses on both campuses. Others take occasional courses in Indianapolis or Bloomington. All students are

encouraged to take advantage of the varied educational and cultural opportunities available at each SPEA location.

### Bloomington

Indiana University has been an integral part of the Bloomington community since 1820 when the University was first established. Since that time the campus has grown in size, and there are 33,000 graduates and undergraduates enrolled in classes on a hilly green campus extending over one square mile.

The SPEA graduate program in Bloomington provides students with the opportunity to tailor their course of study according to their career goals by taking advantage of an extensive array of graduate course opportunities. The Bloomington campus is one of the nation's largest research and graduate study centers. Numerous departments possess top 20 rankings and the campus serves over 6,000 graduate students. In addition to taking advantage of SPEA's own diverse graduate offerings, Master of Public Affairs students regularly select courses in IU's nationally ranked

programs in Law, Business, Political Science, Economics, Sociology, Geography, Biology, and Geology.

Bloomington is a medium-sized city of 55,000 persons, located 50 miles south of Indianapolis in the wooded hills of southern Indiana. Nearby Brown County State Park, McCormick's Creek State Park, and other state parks and forests, provide camping, hiking, caving, sailing, fishing, and swimming facilities. Nashville, in Brown County, is a tourist's delight in fall, offering many shops featuring local crafts; and Lake Monroe, the state's largest inland body of water, is available for water sports. As a member of the Big Ten Athletic Conference, Indiana has a year-round program of top-flight spectator sports. In addition, the Bloomington campus has a well-organized intramural program, which sponsors sports events in swimming, tennis, racquetball, basketball, football, rugby, and soccer. Snow skiing is available in new facilities in Nashville.

The Bloomington campus is well-endowed with cultural facilities and events. The Indiana University School of Music, ranked first in the nation, schedules a consistently outstanding program of concerts and operas throughout the year, including the works of Verdi, Puccini, and Mozart, but also world premieres of contemporary operas. Art exhibits, films, dance programs, theater, and Broadway shows are constantly being presented in such excellent facilities as the Musical Arts Center and the IU Auditorium.

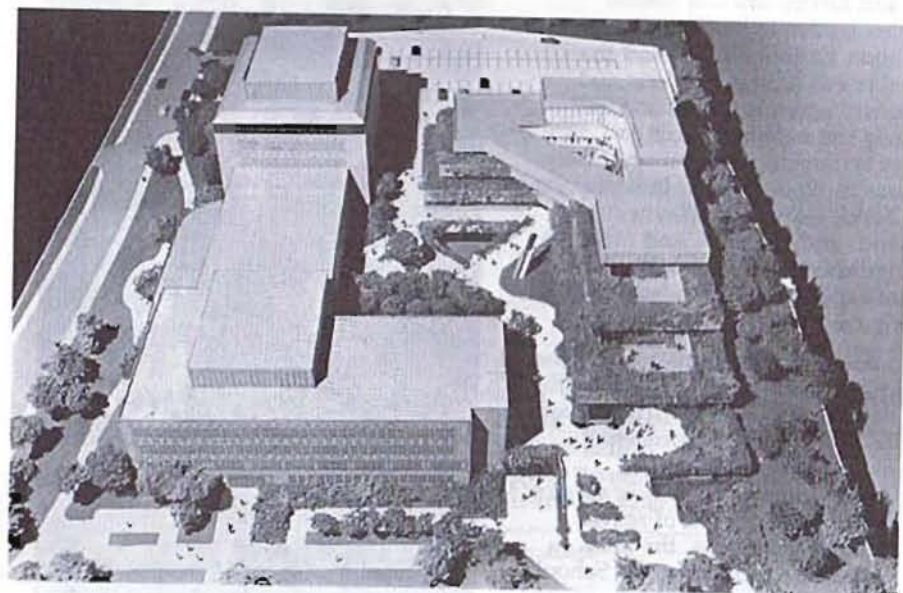
### Indianapolis

The graduate program on the Indianapolis campus is especially attractive to students who prefer studying in an urban environment or to those who already reside in and do not wish to leave the metropolitan area. The City of Indianapolis is the largest city in Indiana, and its population of 600,000 is located in the center of the state. As the state capital and center for government

for Indiana, the city is a vital resource for students and their spouses who seek employment in the public or private sector. It also provides a laboratory for the nontraditional student who wishes to combine hands-on work experience with academic training. Approximately 15,500 people are employed in public administration positions in the 5.4 square mile area known as the Indianapolis Regional Center. An additional 20,000 jobs exist in administratively related service areas. Many professional internships are available in Indianapolis within government agencies at the state, local, and federal levels, and students will find in the Indianapolis graduate population a large number of full-time professionals who contribute to meaningful exchanges in the classroom. An active interchange between SPEA faculty and government officials based in Indianapolis also exposes students to faculty exchanges involving the most current of contemporary problems.

Indianapolis, an expanding urban center, provides students with many accoutrements associated with a metropolitan lifestyle. Major concerts in Indianapolis are generally held in such venues as Market Square Arena, the Convention Center, the Vogue Theatre and, occasionally, the fairgrounds Coliseum. In addition to many national attractions from the world of rock and popular music, an outstanding symphony orchestra and a growing professional repertory company are focal points of the city's cultural life.

The Indianapolis sports picture is dominated by the world-famous Indianapolis 500 Mile Race. The city is represented in the National Basketball Association by the Indiana Pacers, the American Soccer League by the Indy Daredevils, Triple A Baseball by the Indianapolis Indians, and ice hockey by the Indianapolis Checkers. The city annually hosts the U.S. Clay Court Tennis Championships, and in 1979 hosted the NCAA basketball finals.





Parks literally cover Indianapolis. The city boasts over 100 large and small parks in which one can get away from the pressures of city life. Eagle Creek Park, the largest municipal park in the United States, is by far the most popular park in the city. It offers a lake, beaches, and picnic grounds. Other city parks offer swimming pools, picnic tables, tennis courts, and other recreation.

## The MPA: The Professional in the Public Sector

Developing intellectual thoroughness and professional skills are the two basic goals of the Master of Public Affairs program. First, students are confronted with analyzing not isolated problems, but complex problems which occur in a rich and everchanging environment. The clear, logical thinking that is necessary to put the elements of a particular problem into a comprehensive perspective is developed through a 21-hour MPA core curriculum. The core curriculum ensures that every student acquires both an understanding of the crucial policy issues and governmental structures and processes which form the environment within which graduates will pursue careers. To this end, students take 9 hours of required courses which examine public administrative structures and processes and major problems of public policy, especially environmental concerns. In addition, because students need to learn sound methodological techniques of problem solving and analysis, 12 hours of coursework are required in the areas of quantitative analysis, computer usage, economic analysis, and legal analysis.

Because graduates must be able to apply professional skills in more specialized areas of policy and management, each student, in addition to the 21 hours of core work, chooses one of 12 concentration areas for intensive study. The concentration areas are management of public affairs; planning; policy analysis; health systems administration; environmental policy; personnel management; public sector labor relations; urban management; criminal justice; human services administration; policy analysis; and comparative and international affairs. Each concentration, with the exception of the environmental policy and urban management concentrations, requires 18

hours of coursework. The concentrations available on the Bloomington and Indianapolis campuses are described in more detail below. A minimum of 48 credit hours must be completed to earn the MPA degree; in addition to the 39 hours of core and concentration requirements, 6-9 hours of electives may be used to add breadth to a student's program, to deepen a field of concentration, or to master foreign languages, quantitative tools, or administrative techniques. Students may petition the Director of the Program to waive requirements which substantially duplicate previous coursework.

### Mid-Career Option

A maximum of 15 credit hours may be granted students for significant administrative or policy-level work experience in public or private organizations. This work experience may be of a managerial nature or may be in program or policy development. The work experience need not necessarily be with a government agency. Many private and quasi-public organizations have significant governmental contacts. Furthermore, much management-level experience in the private sector is applicable to the public sector.

Students wishing to take full advantage of the Mid-Career Option should complete the Mid-Career Option application by the middle of their first semester of work. Students receiving the Mid-Career Option should carefully plan their programs in consultation with an adviser as early as possible.

### Internships and Placement

The quality of a graduate program is best indicated by the success of its students. In the academic year 1980-81, every student who registered with the placement center found professional employment. Of those who registered, 38% found employment at the federal level of government, 14% found employment at the state level, and 29% found employment at the local level. In addition, 19% have accepted



professional positions in the private sector.

However, no placement office places graduates. It locates jobs or employers, provides employer/job information, and trusts that the graduate/client has learned to take advantage of available opportunities. The placement office provides a central location for resources and contacts which help graduates place themselves.

Through the center's job development program, contacts are made with Federal and Indiana state systems, regional and local agencies, and private businesses. An up-to-date job file is available to all students who register with the office. The center contains one of the most extensive public sector placement libraries in the country (library hours are 8-12, 1-5 M-F). In addition, each registered student is eligible to receive the "Registrants Bulletin," a weekly listing of public sector-oriented jobs located throughout the country.

The center also offers a one credit-hour course in career planning and preparation, V529. This course meets



weekly for eight weeks and is typically offered only the first eight weeks of fall semester. Participants take an interest inventory test, discuss resumes, cover letters, interviewing skills, etc.

The activities of the placement officer are closely coordinated to the wide variety of professional internships available to MPA students. The programs of the placement center encourage students to relate classroom instruction to real-world problems in a work setting. At the same time, participating agencies and organizations have the opportunity to supplement their work force with trained, enthusiastic personnel.

The center creates well-designed student internships through its complete delivery system which includes all steps from internship planning through evaluation. Projects are useful and valuable to the agency, well-planned in advance, and engage students in professional level tasks. The center recruits and screens students, recommends appropriate students to the agency for final approval, and provides support and technical assistance during

the internship. Student progress is reviewed periodically by supervisors in accordance with objectives established at the outset, and the center conducts a thorough evaluation following the experience.

Students on the Indianapolis campus have a unique opportunity not only in finding employment but also in participating in public affairs while still in school. By virtue of the School's location in a large metropolitan capital, professional opportunities exist locally at all levels of government—Federal, State, regional, and city. The SPEA Placement Office at IUPUI, as part of SPEA's Statewide Public Careers Internship and Placement Center, continues to develop a network of contacts for both employment and internship purposes. In a recent year, approximately 70 professional internship positions were available in the Indianapolis area alone.



Recent SPEA graduates in various concentrations now hold positions in the following organizations, among others:

U.S. Office of Management & Budget  
U.S. Environmental Protection Agency  
U.S. Department of Housing & Urban Development  
U.S. Department of Education  
National Aeronautics & Space Administration  
U.S. Department of the Interior  
U.S. Agency for International Development  
U.S. Internal Revenue Service  
U.S. National Labor Relations Board  
U.S. General Accounting Office  
U.S. Department of Justice  
U.S. Department of Energy  
U.S. Department of State  
U.S. Small Business Administration  
U.S. Forest Service  
Ohio Bureau of the Budget  
Wisconsin Department of Transportation  
Louisiana State Budget Office  
Minnesota Pollution Control Agency  
Port of New York Authority  
Office of the City Manager, Phoenix, Arizona  
Office of the City Manager, Kansas City, Missouri  
Town Manager, New Whiteland, Indiana  
Department of Metropolitan Development, Indianapolis  
Personnel Department, City of San Francisco  
Planning Department, Columbia, Missouri  
Budget Office, Tampa, Florida  
Texas Area V Health Systems Agency  
Southwestern Wisconsin Health Systems Agency  
Radio Corporation of America  
Standard Oil of Indiana

During the past academic year SPEA students held internships in the following agencies:

AMAX Coal Company, Department of Governmental Affairs  
Arizona State Legislature  
Civil Aeronautics Board  
City of Bloomington, Personnel Department  
City of Fort Wayne, Department of Community Development and Planning  
City of Muncie, Department of Community Development  
City of Xenia, Ohio  
Everglades National Park (Florida)  
Farm Life Experience Center for Children  
Department of Health, Education, and Welfare Office of Human Services Department

Executive Office of the Governor, State of Michigan  
Illinois Bureau of the Budget  
Illinois Department of Commerce  
Indiana Association of Cities and Towns  
Indiana Department of Commerce  
Indiana Department of Traffic Safety  
Indiana State Board of Health  
Kentuckiana Regional Planning and Development Agency  
Legal Services Program of Northern Indiana  
Marshall County Health Department  
Municipal Court of Marion County  
National Labor Relations Board (Indianapolis)  
National Highway Traffic Safety Administration  
Northern Indiana State Hospital and Development Disabilities Center  
Santa Clara County (California) Revenue and Systems Agency  
South Bend Housing Authority  
Southwestern Indiana Manpower Consortium  
U.S. Office of Management & Budget  
U.S. Office of Personnel Management  
Vanderburgh Circuit and Superior Courts, Probation Department  
Vigo County Bureau of Employment and Training



## MPA Curriculum Summary

### MPA Core Courses—Brief Descriptions

All students are required to complete the 21-hour core curriculum and to choose a concentration for intensive study (18-21 hours). Electives (6-9 hours) complete the 48 hours required for the degree.

**V502—Public Management Analysis** of concepts, methods, and procedures involved in managing public organizations. Problems of organization, planning, decision-making, performance, evaluation, and the management of human resources are considered. Cases are drawn from a variety of public services found at federal, state, and local levels of government.

**V506—Quantitative Analysis for Public Affairs I P:** Familiarity with basic concepts in college algebra and statistics; or appropriate V500 credit. Non-calculus survey of concepts in probability, estimation, and hypothesis testing. Applications of contingency table analysis, analysis of variance, regression, and other statistical techniques. Computer processing of data emphasized.

**V507—Quantitative Analysis for Public Affairs II P:** V506 or equivalent. Focus on analytical models and their use in solving problems and making decisions in the public sector. Discussion of standard approaches to modeling and estimation of parameters.

**V517—Public Management Economics P:** V505, E103, or its equivalent, or permission of the instructor. Application of micro-economics concepts and techniques, including cost, elasticity, pricing, wage determination, and cost-benefit analysis, to public management and public issues and concerns. The course provides a managerial economics perspective to decisionmaking.

**V520—Environmental and Social Systems** The interrelationships among social, technical, and natural systems. Theories of growth. Causes and implications of environmental problems. Alternative policies and mechanisms for environmental control and bases for choice.

**V540—Law and Public Affairs** Explanation of law in society and its influence on public sector operations. Examination of some of the central substantive areas of the study of law, including regulatory processes, administrative adjudication, the Administrative Procedures Act, ombudsmen, citizen rights, among others.

**V560—Public Finance and Budgeting** The fiscal role of government in a mixed economy, sources of public revenue and credit; administrative, political, and institutional aspects of the budget and the budgetary process; problems and trends in intergovernmental fiscal relations.

### MPA Concentration Areas

All concentration areas except urban management and environmental policy require 18 credit hours of course work; both urban management and environmental policy require 21 hours.

**Public Financial Administration** Courses in this concentration focus on technical skills necessary for budget preparation, analysis, and operation; tax system policy and administration; and public financial planning. Students often elect double concentrations that combine public financial administration with urban management, public sector labor relations, comparative and international affairs, or management of public affairs. Entry-level job possibilities include accounting officer, budget examiner, budget analyst, auditor, and financial administrator.

**Management of Public Affairs** Candidates who select the Management of Public Affairs concentration take advanced courses in administrative analysis, information systems management, and general management and administration. Normally, pre-entry students will select a single subject area other than

general management and administrative behavior for specialization. Mid-career students and those pre-entry students headed for administrative jobs with general management responsibilities may take management courses drawn from several areas. Job possibilities include management analyst, personnel officer, administrative assistant, budget officer, and program evaluator.

**Urban Management** The Urban Management Concentration provides advanced professional training for individuals interested in careers in local government administration. This includes careers as city managers, chief administrative officers in local government, deputy mayors, executive assistants to mayors and city managers, township administrators, county executives, and executive heads of councils of government and other regional bodies. The program is designed to provide students with the basic knowledge and skills required to perform as public managers in the increasingly complex world of local government.

**Personnel Management** The Personnel Management concentration involves much more than preparing the student for salary administration or job classification work. Students also are exposed to concepts and techniques pertaining to personnel design and management, performance evaluation, staff development, conflict resolution, safety standards, collective bargaining, and public sector labor relations. Students may choose to emphasize public sector labor relations and collective bargaining as a subspecialty within the concentration. Entry level possibilities include positions such as personnel officer, training officer, labor relations consultant, hearing officer, and labor relations investigator.

**Planning** The Planning concentration offers the opportunity to develop conceptual and analytical tools useful in urban and regional development planning. The core consists of three required courses designed to promote theoretical, methodological, and substantive understanding of the planning function. Students then select a sequence of courses in planning theory, planning methods, or general regional systems. Job possibilities include city planner, land use policy planner, transportation planner, and development planner.

**Policy Analysis** Candidates who select the Policy Analysis concentration design individual programs of study consisting of 18 credits of approved courses in econometrics,

mathematics, operations research, policy analysis, simulation, statistical decision theory, statistics, stochastic processes, and systems analysis. Entry-level job possibilities include policy analyst, research analyst, budget and management analyst, and social science analyst.

**Public Sector Labor Relations** Students who choose this concentration can select courses from SPEA, economics, law, business, education, and sociology. Labor relations specialists may find employment in either government agencies in the public sector or labor-management relations in the private sector. Entry-level job possibilities include personnel officer, labor relations consultant, hearing officer, industrial relations specialist, and labor relations investigator.

**Health Systems Administration** The Health Systems concentration is designed for students who want to assume a managerial position in the public health field. It prepares students to assume a leadership role in administering public health programs in organizations such as health departments, health systems agencies, professional standards review organizations, planning councils, health maintenance organizations, and foundations.

**Comparative and International Affairs** The Comparative and International Affairs concentration is designed for both preservice and mid-career students. Many will be foreign nationals and some will be Americans who seek employment with foreign governments, foreign-aid programs, and international organizations. Students should normally enter the concentration with some language skills and knowledge of particular cultures. Entry-level job possibilities include human resources officer, program officer, international cooperation specialist, and capital development officer.

\*Concentration available only on the Indianapolis campus; Personnel specialization available within Management concentration on the Bloomington campus.

\*\*Concentration presently available only on the Bloomington campus. Health Administration coursework available on the Indianapolis campus.





**Environmental Policy\*\*** Entry-level positions in the environmental field are usually awarded on the basis of ability to perform specific analytical, technical, and management functions. An environmental policy concentration will often be appropriate for mid-career students either seeking specific skills or desiring to modify a strong technical base to embrace wider environmental and administrative perspectives. Pre-career students who have appropriate undergraduate technical or analytical training will find the concentration applicable to a more restricted range of career goals. However, pre-career students who lack relevant undergraduate training may wish to consider taking another concentration and selecting related environmental courses as electives or may wish to pursue a double concentration. Job possibilities include environmental planner, environmental impact analyst, field representative, and environmental writer.

**Human Services Administration** The concentration is designed to prepare persons for management positions in federal, state, and local human resource agencies. Emphasis include application of public management processes to human service organization, skills requisite to working with elected officials, administrative officials, and consumer groups, and practices of comprehensive departments of human resources, inter-agency administrative units and multi-service centers. Students without professional experience will take an internship in public affairs.

**Criminal Justice** The Criminal Justice concentration is designed for the needs of either the preservice or mid-career student and can be directed toward specific or general areas of interest depending on the student's undergraduate background and/or work experience. The concentration emphasizes, in addition to substantive aspects of the criminal justice field, program management and evaluation and policy analysis skills and techniques applicable to the field. Career areas for which this concentration is appropriate include law enforcement, private security, corrections, probation and parole administration. The concentration is also appropriate for individuals employed in human services and social work and who desire supplementary training.

**Urban Affairs** Students electing this concentration may take either a general or a specialized sequence of urban courses. Under the general sequence, students take seminars in urban economics or geography, urban sociology, anthropology or psychology, and political science. Students who elect a specialized sequence take courses in such areas as Urban Planning, Urban Housing and Land Use, and Urban Transportation. Entry-level job possibilities include urban affairs analyst, housing evaluation specialist, urban planner, and city manager.

## Public Financial Administration

### Concentration Requirements

The Public Financial Administration Concentration is offered on the Bloomington, Indianapolis, and Northwest campuses of Indiana University. The concentration requirements are similar on the Indianapolis and Northwest campuses, but differ for the Bloomington program. In all cases, the student must complete a minimum of 18 credit hours in the concentration. Students who select the Public Financial Administration concentration should enroll early in their graduate program in four of the courses required in the core of the MPA program: Public Management Economics, Public Finance and Budgeting, and Quantitative Analysis for Public Management I and II. The MPA core courses provide the foundation for advanced work in public finance.

### Bloomington Requirements

Within the Public Financial Administration Concentration, students select three of the following four courses:

- V609 Seminar in Revenue Policy and Administration (3 cr.)
- V610 Seminar in Government Budget and Program Analysis (3 cr.)
- V660 Cases and Problems in Fiscal Administration (3 cr.)
- V667 Seminar in Public Capital and Debt Theory and Administration (3 cr.)

These courses build the understanding of revenue, budget, and fiscal administration issues and operations necessary for the concentration.

Three other courses are selected on approval of the concentration adviser to permit development of specialized capabilities, according to the student's interest in urban finance, program evaluation, fiscal information systems, fiscal planning, etc.

- Among the available courses:
- V562 Public Program Evaluation (3 cr.)
  - V563 Seminar in the Planning Process (3 cr.)
  - V662 Seminar in Productivity and Program Evaluation (3 cr.)
  - V594 Principles of Urban and Regional Science (3 cr.)
  - V567 Public Financial Administration (3 cr.)
  - V665 Seminar in Policy and Administration (3 cr.)
  - V668 Problems in Fiscal Federalism (3 cr.)
  - E560 Microeconomic Aspects of Public Finance (3 cr.)
  - E561 Macroeconomic Aspects of Public Finance (3 cr.)
  - E562 Analysis of Public Expenditure Programs (3 cr.)
  - A508 Accounting for Public Administration (3 cr.)
  - V585 Practicum in Public Affairs (3 cr.)
  - V590 Research in Public Affairs (3 cr.)
  - V516 Managing Public Information Systems (3 cr.)
  - V570 Public Sector Labor Relations (3 cr.)
  - V670 Topics in Public Sector Labor Relations (3 cr.)
  - V595 Managerial Decision-Making (3 cr.)

Other suitable courses may be suggested by the student.

### Indianapolis Campus

Students are required to complete:

- V567 Public Financial Administration (3 cr.)
- A508 Accounting for Public Administration (3 cr.) and either V585, Practicum in Public Affairs or V590, Research in Public Affairs.

Depending on the interest of the student, two of the following courses are normally selected:

- V609 Seminar in Revenue Policy Administration (3 cr.)
- V610 Seminar in Government Budget and Program Analysis (3 cr.)
- V668 Problems in Fiscal Federalism (3 cr.)
- A523 Business Information Systems (3 cr.)
- F545 Money and Capital Markets (3 cr.)

Electives (3 cr.) may be selected from the following:

- V516 Managing Public Information Systems (3 cr.)
- V562 Public Program Management and Evaluation (2-3 cr.)

- V563 Seminar in the Planning Process (3 cr.)
- V662 Seminar in Productivity and Program Administration (3 cr.)
- V665 Seminar in Policy and Administration (3 cr.)
- A514 Auditing Theory and Practice (3 cr.)
- A515 Federal Income Taxes (3 cr.)
- E560 Micro-Economic Aspects of Public Finance (3 cr.)
- E561 Macroeconomic Aspects of Public Finance (3 cr.)
- R501 Real Estate and Land Economics (3 cr.)
- E562 Analysis of Public Expenditure Programs (3 cr.)

### Placement

Recent graduates of the Public Financial Administration have begun careers in the following positions:

#### Federal

Field Auditor, General Accounting Office  
Budget Analyst, U.S. Army Corps of Engineers  
Budget Analyst, U.S. Department of Energy  
Budget Analyst, National Aeronautics and Space Administration

#### State

Management Analyst, Wisconsin Legislative Audit Bureau  
Program Analyst, Indiana Legislative Services Agency  
Budget Analyst, New York State Budget Agency  
Budget Analyst, Illinois Bureau of the Budget  
Budget Analyst, Ohio Office of Budget and Management  
Research Analyst, Indiana Commission on Tax and Financing Policy  
Administrative Budget and Management Analyst, Wisconsin Department of Revenue  
Capital Budget Analyst, Wisconsin Budget Bureau  
Budget Policy Analyst, Kentucky Department of Natural Resources

#### Local

Program Analyst, Central Indiana Health Systems Planning Agency  
Administrative Assistant, Vincennes (Indiana) Economic Opportunity Commission  
Mayoral Assistant, Bloomington, Indiana  
Program Analyst, Des Moines (Iowa) Office of Budget and Management  
City Administrator, Wixom, Michigan  
Budget Analyst, Jefferson County, Kentucky  
Budget Analyst, Tampa, Florida  
Assistant to Treasurer, Indianola, Iowa

\*\*Available only on the Bloomington campus.



## Management of Public Affairs

### Concentration Requirements

Students in the Management of Public Affairs Concentration take advanced courses in the major administrative subjects: personnel management, budgeting and program evaluation, management analysis, information systems management, and general management and administration. Normally, pre-entry students will select a single subject area other than general management and administrative behavior and concentrate in that one advisory specialization. Mid-career students and those pre-entry students headed for unspecialized administrative jobs may wish to take general management courses drawn from all the administrative subjects.

Students are required to take one of the following

- V504 Public Organization (3 cr.)
- V518 Intergovernmental Systems Management (3 cr.)
- V512 Public Policy Process

In addition, students select two of the following concentration core courses:

- V595 Managerial Decision-Making (3 cr.)
- A508 Accounting for Public Administration (3 cr.)
- V562 Public Program Evaluation (3 cr.)

The remaining 9 credit hours may be drawn from the following advisory specializations.

#### Personnel Management

- V561 Public Personnel and Manpower Systems

#### Electives include:

- V570 Public Sector Labor Relations
- V650 Topics in Public Personnel Management
- V661 Seminar in Public Personnel Administration
- V662 Seminar in Productivity and Program Evaluation
- V675 Issues and Problems in Public Sector Labor Relations

#### Budgeting and Program Evaluation

- V562 Public Program Evaluation
- V610 Seminar in Government Budget and Program Analysis
- V664 Seminar in Complex Public Organization
- E562 Analysis of Public Expenditure Programs

#### Management Analysis

- Choose one of:
- K512 Multivariate Statistical Analysis
- P554 Advanced Statistics in Psychology II
- S650 Fundamentals of Social Statistics II

Electives to be chosen from:

- V562 Public Program Evaluation
- V563 Seminar in Planning Process
- V662 Seminar in Productivity and Program Evaluation
- V664 Seminar in Complex Public Organization
- K515 Quantitative Analysis in Decision-Making
- K520 Introduction to Operations Research
- E671 Econometrics I
- E672 Econometrics II

#### Information Systems Management

- B516 Managing Public Information Systems
- L544 Introduction to Information Science
- L643 Computer Applications in Information Systems
- L644 Information Storage and Retrieval
- L645 Systems Analysis and Design

Students desiring a general management and administrative behavior emphasis should, in consultation with an adviser, select courses in the field of organization theory and in other administrative specialties above.

### Placement

Job possibilities for an MPA with a specialization in management include management analyst, personnel officer, city manager, budget officer, program evaluator, public affairs assistant, government affairs liaison, and intergovernmental affairs liaison. Graduates of the Management of Public Affairs concentration are prepared for work at the federal, state and local levels of government.

Recent SPEA graduates hold positions in the following organizations:

- General Accounting Office
- General Services Administration
- Fresno County (California) Administrative Office
- Town Manager (Flora, Indiana)
- Office of Management and Budget
- Internal Revenue Service
- Port Authority of New Jersey and New York
- Kentucky Office of Local Government
- Indiana Legislative Council
- City of Champaign, Illinois
- City of Phoenix, Arizona
- City of Indianapolis, Indiana

## Urban Management

### Concentration Requirements

The Urban Management Concentration provides advanced professional training for individuals interested in careers in local government administration. This includes careers as city managers, chief administrative officers in local government, deputy mayors, executive assistants to mayors and city managers, township administrators, county executives, and executive heads of councils of government and other regional bodies. Entry level positions for MPA graduates have included Town Manager, Assistant to the City Manager for Budget, Assistant to a City Department Head, and City Manager Intern. The program is designed to provide students with the basic knowledge and skills required to perform as public managers in the increasingly complex world of local government.

The Urban Management Concentration is composed of 21 hours of coursework to be selected in consultation with the adviser in accordance with the guidelines below. Students will also select an additional 7 hours of elective courses to complete requirements for the degree.

#### Urban Administration and the Policy Environment

(select four of the following six courses)

- V518 Intergovernmental Systems Management
- V562 Program Evaluation
- V564 Urban Administration
- V567 Public Financial Administration
- V594 Urban and Regional Science
- A508 Accounting for Public Administration

#### Planning

(select one of the following)

- V549 Environmental Planning
- V563 The Planning Process

#### Personnel and Labor Relations

(select one of the following)

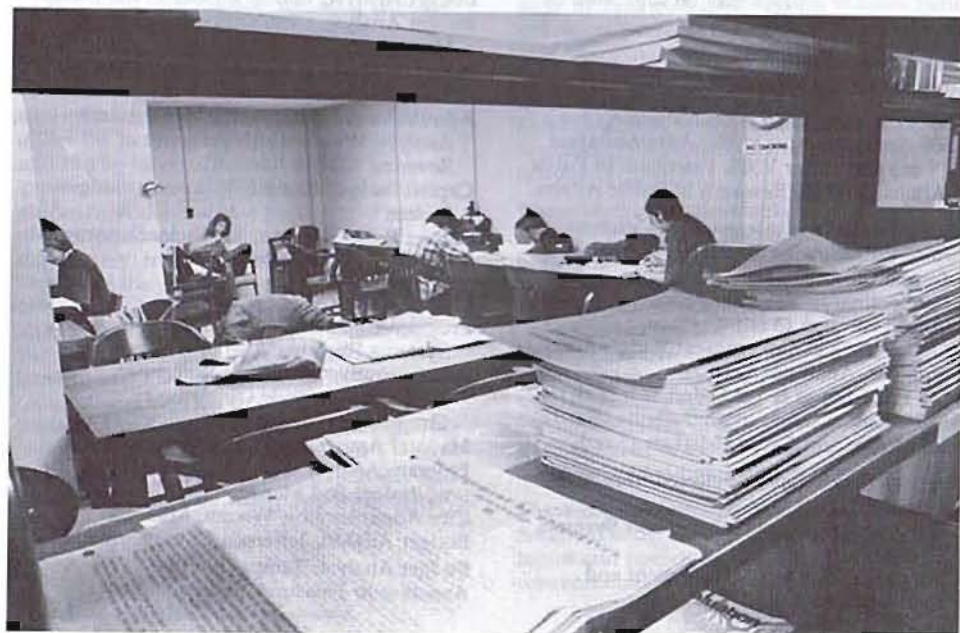
- V561 Public Personnel and Manpower
- V570 Public Sector Labor Relations
- V650 Topics in Public Personnel Management
- V670 Topics in Public Sector Labor Relations

#### Urban Public Services

(a total of three hours)

1-hour modules in urban services—for example:

- Human Services
- Transportation
- Criminal Justice
- Public Safety





Recreation and Parks  
Water Resources and Waste Disposal

3-hour course which focuses on a single urban public service—for example:  
V582 Criminal Justice Systems  
V586 Public Safety in the U.S.  
V633 Seminar in Public Transportation Policy  
V684 Seminar in Emergency Services  
Planning, Management, and Issues  
V621 Seminar in Housing and Public Affairs

### Six Hour Experiential Component

It is required that students must fulfill an experiential component, either from prior work, an internship, a workshop, supervised research activity, or a practicum in the field of urban management. Experiential components are developed through the School's placement center, and through SPEA's research and service institutions and centers.

### Placement

Among the cities and agencies in which recent SPEA graduates hold positions are:

Phoenix, Arizona  
Kansas City, Missouri  
Miami, Florida  
Detroit, Michigan  
Indianapolis, Indiana  
Chicago, Illinois  
Madison, Wisconsin  
Lexington, Kentucky  
Port Authority of New York  
U.S. Department of Housing and Urban Development  
U.S. Department of Transportation

## Planning

### Concentration Requirements

The Planning Concentration offers students the opportunity to develop conceptual and analytical tools applicable to a variety of substantive concerns in urban and regional planning. Together with the MPA core, the Planning Concentration courses provide both the general background and the specific skills necessary for execution of the planning function in most public sector contexts.

At the heart of this concentration are five required courses:

V563 Seminar in the Planning Process  
V593 Analytic Methods in Planning and Policy Analysis  
V594 Urban and Regional Science  
V549 Environmental Planning

A student must also select one of the following courses:

V450/550 Workshop in Community Development and Planning  
V567 Public Financial Administration

In addition to the five required courses, students will select a minimum of two elective courses to develop further expertise in a substantive policy area. These electives will be chosen in consultation with the concentration adviser. This will give students the opportunity to develop their interests through the course flexibility that characterizes SPEA. At the same time, the student will benefit from the experience and knowledge of the Planning Concentration's faculty. Alternative specialized course sequences include, but are not limited to: land use, economic development, regional analysis, financial planning, housing and community development, transportation, health, and human service delivery systems. Graduates of the Planning Concentration are prepared for work at the local, regional, state, and federal levels.

The Planning Concentration is currently being offered on the Bloomington and IUPUI campuses. The Bloomington campus also offers a Ph.D. in Regional Analysis and Planning.

### Placement

Recent SPEA planning concentration graduates hold positions in the following organizations:

Indiana State Planning Services Agency  
U.S. Environmental Protection Agency  
Fort Collins (Colorado) Department of Planning

Utica (New York) Department of Urban Renewal  
Hammond Manpower Planning Council  
Wisconsin Department of Transportation  
Minneapolis Planning Department  
U.S. Department of Interior  
Region 10 (Indiana) Planning Commission  
Boston Redevelopment Authority  
U.S. Department of Housing and Urban Development  
Indianapolis Department of Metropolitan Development  
Kentuckiana (Louisville, Ky.)  
Regional Planning and Development Agency



## Policy Analysis

### Concentration Requirements

Students in the Policy Analysis Concentration are provided background in the scientific methods analysts apply as they generate alternative courses of action for decisionmakers, and a framework for evaluating alternatives. The multidisciplinary approach of the concentration curriculum stresses the issues, methods, and skills involved in the analysis of complex problems. Students are encouraged to apply classroom experience to a variety of substantive policy areas.

All students in the concentration take:  
V593 Analytical Approaches in Planning and Policy Analysis (3 cr.) P: V507  
V691 Seminar in Problems and Issues in Policy Analysis (3 cr.)

Students also choose two of the following courses:

V562 Public Program Evaluation (3 cr.)  
V595 Managerial Decision-Making (1-3 cr.)  
V610 Seminar in Government Budget and Program Analysis (3 cr.) P: V525 or consent of the instructor.  
V662 Seminar in Productivity and Program Evaluation (3 cr.)

In consultation with the Policy Analysis Concentration adviser, students choose two electives. Possible examples include:  
Y665 Policy Analysis I and II  
E562 Analysis of Public Expenditure Programs  
K520 Introduction to Operations Research  
K525 Quantitative Systems Analysis  
V526 Applied Mathematics in Environmental Science  
E671 Econometrics I

### Placement

The Policy Analysis concentration prepares students for positions in such organizations as legislative staff agencies, budget agencies, executive policy planning and analysis agencies, and departmental staffs at federal, state, and local levels of government. Entry-level job possibilities include research analyst, program analyst, evaluation analyst, budget and management analyst, and statistician.

Recent SPEA graduates hold positions in the following organizations:

Indiana Legislative Council  
Office of Management and Budget  
Illinois Bureau of the Budget  
Internal Revenue Service  
Wisconsin State Budget Office  
Michiana Area Council of Governments



## Public Sector Labor Relations

### Concentration Requirements

The Public Sector Labor Relations Concentration is interdisciplinary in nature, with courses offered in public and environmental affairs, business, economics, law, education, and sociology.

The curriculum provides the student with a combination of analytical skills and conceptual approaches to address today's salient issues and problems in public sector labor relations. There are two required courses in the concentration. V570 is an introductory course, while V675 synthesizes the information and skills acquired in courses selected to comprise the concentration in labor relations. Thus the concentration is made up of 6 hours of required courses, and 12 hours to be selected from the disciplines listed above.

The required courses are:

V570 Public Sector Labor Relations.  
V675 Issues and Problems in Public Sector Labor Relations

The remaining 12 hours of the concentration may be chosen from the following list of departmental offerings. The courses selected depend upon the interests of the student. Consultation with the labor relations faculty is available and encouraged.

#### SPEA

V561 Public Personnel and Manpower Systems (3 cr.)  
V562 Public Program Management and Evaluation (3 cr.)  
V650 Topics in Public Personnel Management (3 cr.)  
V661 Seminar in Public Personnel Administration (3 cr.)  
V662 Seminar in Productivity and Program Evaluation (3 cr.)  
V670 Topics in Public Sector Labor Relations (3 cr.) (Among the topics examined in recent V670 courses are: The Law of Equal Employment Opportunity and Affirmative Action; Contract Administration and Grievance Arbitration; and Police and Firefighter Collective Bargaining.)

#### Business

Z513 Administration of Manpower Systems (3 cr.)  
Z514 Seminar in Industrial Relations (3 cr.)

#### Economics

E445 Collective Bargaining: Practices and Problems (3 cr.)  
E447 Economics of the Labor Market (3 cr.)  
E540 Labor Economics: Graduate Survey (3 cr.)  
E547 Government Regulation of Labor Relations (3 cr.)

#### Education

A615 Workshop in School Law: Collective Negotiations (1-3 cr.)

#### Law

B663 Labor Law I (3 cr.)  
B664 Labor Law II (3 cr.)  
B788 Seminar in Labor Law (2 cr.)

#### Sociology

S410 Topics in Social Organization: Class, Status and Conflict (3 cr.)

### Placement

Labor relations specialists may find employment in either government agencies in the public sector or labor-management relations in the private sector. Entry-level job possibilities include personnel officer, labor relations consultant, hearing officer, industrial relations specialist and labor relations investigator, EEO and affirmative action officer.

Recent SPEA graduates hold positions in the following organizations:

U.S. Department of Labor  
Indiana State Personnel Office  
U.S. Office of Personnel Management  
Midwest Center for Public Sector Labor Relations  
Indiana Education Employment Relations Board  
Federal Service Impasses Panel  
Indiana State Highway Commission  
General Telephone and Electronics Corporation (GTE)  
Radio Corporation of America (RCA)  
Indiana Association of Cities and Towns

## Health Systems Administration

### Concentration Requirements

The Health Systems Administration Concentration prepares the student to assume a variety of professional positions in a number of organizational settings. Potential employment includes positions such as planners, administrators, and data managers in public sector organizations like federal, state, and local health departments, health systems agencies, professional standards review organizations, health maintenance organizations, and philanthropic foundations. In addition, while the program is designed for those wishing to work in the public sector, there are numerous employment opportunities available in the private sector with organizations such as Blue Cross-Blue Shield and national and state hospital associations.

The three required courses for HSA concentration students are designed to familiarize the student with the health care system, particularly its organization, financing, problems, policy-making process, and potential change of the system.

The three required courses are:

V545 U.S. Public Health Policy I (3 cr.)  
V546 U.S. Public Health Policy II (3 cr.)  
V631 Seminar in Health Planning (3 cr.)

To augment these three courses, the faculty concentration adviser assists the student in choosing three elective courses. A partial list of possible selections includes:

V504 Public Organization  
V518 Intergovernmental Systems Management  
V561 Public Personnel and Manpower Systems  
V562 Public Program Evaluation  
V563 The Planning Process  
V567 Public Financial Administration  
V586 Public Safety in the United States  
V595 Managerial Decisionmaking  
V610 Seminar in Budget and Program Analysis  
V585 Practicum in Public Affairs (1-6 cr.)  
AHL B421 Management in Health Organizations (3 cr.)  
AHL B401 Introduction to Hospital Administration (3 cr.)  
H366 Health Problems in the Community (3 cr.)  
C511 Epidemiology (3 cr.)  
C512 Environmental Health Science (3 cr.)

C523 Community Health Organization and Administration (3 cr.)  
C591 Public Health Statistics (3 cr.)  
H519 Problems and Issues in Health (3 cr.)

### Placement

Because employers in the health care field sometimes prefer to hire students who have practical experience, the student is strongly encouraged to serve an internship. The student may earn up to 6 hours credit for an internship. Assistance is provided to students wishing to serve an internship by the faculty concentration adviser and the SPEA Internship Office.

Recent Health Systems Administration Concentration graduates have been placed in the following organizations:

Southern Indiana Health Systems Agency  
Central Indiana Health Systems Agency  
Indiana Legislative Council  
Indiana Board of Health  
Southeastern Wisconsin Health Systems Agency  
Northern Louisiana Health Systems Agency  
Texas Area V Health Service Agency  
U.S. Department of Health and Human Services



## Comparative and International Affairs

### Concentration Requirements

The Comparative and International Affairs Concentration offers an interdisciplinary course of study. It provides the student with a grounding in both analytical skills and major theoretical approaches and problems which are foremost in the field today.

Three required core courses lay a foundation in both the theory and practice of international development, economics, and administration. The courses, which utilize a case study approach, are:

- V575 Comparative and International Administration (3 cr.)
- V576 Comparative and International Development (3 cr.)
- V577 Comparative and International Economics (3 cr.)

Normally, students should select the remaining 9 hours of concentration electives (and even the remaining 5 hours of program electives) to gain greater knowledge of a single subject. For instance, a student may wish to cover a single global area in greater depth and take courses in, say, Latin American history, politics, and economics. A second alternative would be for a student to take courses in a single substantive area without regard to global area, such as international business and economics. Still a third alternative would be for a student to select courses from another MPA concentration such as Management of Public Affairs or Urban Administration. Most often, students come into the concentration with some language training, although the 5 hours of program electives can be used to enhance language skills. In all cases a student's program should be developed in consultation with an adviser.

The SPEA concentration in Comparative and International Affairs is unique in the extent to which it builds upon the extraordinarily rich area studies programs of Indiana University. These include the Latin American Studies Program, the African Studies Program, the Russian and East European Studies Program, Chicano-Riqueño Studies, a diverse program in Near Eastern Languages and Literature, the Slavic Language and Area Center, the Uralic and Inner Asian Language and Area Center, the East Asian Languages and Cultures Department, the Institute of German Studies, and the West European Studies Program.

Other departmental offerings are listed below:

#### Anthropology

- E420 Economic Anthropology (3 cr.)
- E440 Political Anthropology (3 cr.)
- E460 The Arts in Anthropology (3 cr.)
- E520 Problems in Economic Anthropology (3 cr.)
- E580 Applied Social Anthropology (3 cr.)
- P500 Proseminar in Archaeology (4 cr.)
- P600 Seminar in Prehistoric Archaeology (3 cr.)

#### Business

- D420 International Business Administration (3 cr.)
- D490 Special Studies in International Business (cr. arr.)
- D496 Foreign Study in Business (2-6 cr.)
- D502 Introduction to International Business (3 cr.)
- D519 Environmental Analysis for International Business (3 cr.)
- D527 Latin America: Business and Economic Development (3 cr.)

#### Economics

- E430 Introduction to International Economics (3 cr.)
- E495 Economic Development: Less Developed Areas (3 cr.)
- E530 International Economics (3 cr.)
- E533 Current Problems in International Economics (3 cr.)
- E592 Economic Development and Growth (3 cr.)
- E792 Workshops in Problems of Development (3 cr.)
- E793 Seminar in Planning Strategies and Techniques (3 cr.)
- E825 Readings in Comparative Economic Systems (1-6 cr.)
- E830 Readings in International Economics (3 cr.)

#### Education

- W513 Education and Change in Underdeveloped Countries (2 cr.)
- W525-W526 Comparative Education I-II (3 cr. each)
- W527 Travel Study (cr. arr.)
- W590 Research in Higher Education (cr. arr.)
- W715 Comparative Higher Education (2 cr.)

#### Folklore

- F485 Latin American Indian Music (3 cr.)
- F486 Latin American Folk Music (3 cr.)
- F610 Seminar in Yoruba Folklore (3 cr.)
- F638 Seminar in Latin American Folklore (3 cr.)
- F650 South American Indian Folklore (3 cr.)
- F800 Research in Folklore (cr. arr.)

#### History

- E431 History of Africa I (3 cr.)
- E432 History of Africa II (3 cr.)
- E437 History of North Africa from 640 A.D. to the Present (3 cr.)
- F444 History of Mexico (3 cr.)
- F445 Cuban Revolution (3 cr.)
- E447 United States-Latin American Relations to 1945 (3 cr.)
- H575 Individual Readings in History (cr. arr.)
- H665 Colloquium in Latin American History (Colonial Period) (4 cr.)
- H670 Colloquium in Latin American History (National Period) (4 cr.)
- H695 Colloquium in African History (4 cr.)
- S865 Seminar in Latin History (Colonial Period) (4 cr.)
- S870 Seminar in Latin American History (National Period) (4 cr.)

#### Journalism

- J513 International Communication I (3 cr.)

#### Latin American Studies

- L400 Contemporary Mexico (3 cr.)
- L402 Contemporary Brazil (3 cr.)
- L404 Contemporary Argentina (3 cr.)
- L406 Contemporary Peru and Chile (3 cr.)
- L425 Special Topics in Latin American Studies (1-3 cr.)

#### Law

- B771 Seminar in International Development (3 cr.)

#### Political Science

- Y657 Comparative Politics (3 cr.)
- Y663 Political and Administrative Development (3 cr.)
- Y669 International Politics (3 cr.)
- Y680 Readings in Political Science (cr. arr.)
- Y757 Comparative Politics (3 cr.)
- Y759 Cross-Cultural Political Analysis (3 cr.)

#### Sociology

- S615 Problems in Demography and Ecology (3 cr.)

### Internships and Placement

Besides the regular SPEA assistantships, students will find opportunities to compete for International Development Internships through the Agency for International Development, and for language and area fellowships offered by Indiana University's various programs.

Entry-level job possibilities for a graduate of the Comparative and International Affairs concentration include human resources officer, program officer, international cooperation specialist, and capital development officer.

Graduates of the Comparative and International Affairs Concentration are currently employed in the following agencies:  
U.S. Department of Energy  
Ministry of Interior, Thailand  
San Carlos Apache Indian Reservation  
National Institute of Development Administration, Thailand





## Environmental Policy

### Concentration Requirements

The Environmental Policy Concentration has few immutable requirements other than those of the MPA degree. Students are encouraged to develop curricula to meet their own needs. The concentration adviser will assist the student to assure the program has sufficient intellectual rigor and to guide the student toward appropriate employment. With this freedom to choose, the student assumes a large responsibility for his or her own future. The adviser cannot and will not determine the student's goals. The concentration is not for the undecided student who wishes a tightly structured program, but rather for the student with well-defined goals.

The MPA with the Environmental Policy Concentration is most appropriate for students with undergraduate or professional analytical or technical functions, and not for the mastery of environmental policy perspectives. Students who lack the technical background will be at a disadvantage in seeking jobs, and may prefer to choose another concentration within the MPA program with related concentration. Early selection of a specific entry position as a career focus will sharpen the educational program and strengthen the professional strength of the degree.

The Environmental Policy Concentration will often be useful for mid-career students who seek specific analytical skills or desire to modify a strong technical base to include wider environmental and administrative perspectives. These students should investigate the MPA program's Mid-Career Option, which awards academic credit for significant administrative experience. Discussion of career goals with program faculty will help tailor the degree to the needs of the individual.

Students electing the Environmental Policy Concentration must (1) choose a particular environmental career objective, (2) design a preliminary concentration of at least 21 hours of this objective, and (3) apply to the Environmental Policy Concentration Adviser for a faculty advisory committee. The faculty advisory committee will help the student formulate a final concentration in accord with the student's career objectives and approve the program.

The Environmental Policy Concentration offers students three routes to a degree:

1. **Land-Use Analysis Focus** A focus in this area is most appropriate for students with backgrounds in geography or geology, or with skills in economic or demographic analysis.
2. **Energy Policy Focus** Background in geology, another physical science, or economic analysis is appropriate.
3. **Science and Technology Management Focus.**

In addition, each recipient of the degree must obtain professionally relevant experience (up to 6 cr.) through a guided on-the-job internship, advanced project (e.g., in environmental impact analysis), or through research directly related to a particular employment role. A report, paper, or thesis is usually prepared as part of this component. This will normally occur during the final year of the program.

### Graduate Placement

SPEA Environmental Programs has an excellent record in graduate placement. This is due in part to the current demand for individuals trained in environmental problem-solving and in part to the emphasis on in-service training within the program. Specifically, the program's professional experience requirement, combined with opportunities for work on Environmental Systems Application Center (ESAC) projects, insure that a graduate approaches the job market armed with both valuable stores of knowledge and practical working experience.

Recent SPEA Environmental Policy graduates hold positions in the following agencies:

Minnesota Pollution Control Agency  
General Services Administration (Chicago)  
U.S. Environmental Protection Agency  
General Accounting Office  
Indiana State Board of Health  
City of Bloomington, Minnesota  
Central Iowa Regional Association of Local Government Department of Housing and Urban Development  
Kentucky Department of Natural Resources and Environmental Protection  
U.S. Bureau of Land Management,  
Department of the Interior  
American Chemical Society

## Human Services Administration

### Concentration Requirements

The Human Services Administration concentration is designed to prepare persons for public management positions in federal, state, and local human resource agencies. Government commitments in income maintenance, social services, employment and training, children and youth, aging, substance abuse, mental disability, and related areas have grown considerably in the past half-century. Human services now amount to half of all governmental output.

The Human Services Concentration focuses on developing a corps of "generalist-specialist" human resource administrators for the complex systems of the future. The new public manager needs to have a systems approach to both administer a wide variety of programs and appreciate the inter-relationships between programs. The new generalist-specialist administrator must concurrently be sensitive to the needs of those who direct the categorical programs within the human services network or governmental agency. Finally, the new administrator must be able to deal with both organizational and inter-organizational change.

### Human Services Administration Concentration Requirements (18 credit hours)

Select six credits from the following:  
V554 Human Services Administration (3 cr.)  
V556 Topics in Human Services Administration (1-3 cr.)  
V545 Health Policy (3 cr.)

In addition to the six hours required above, students will select six credit hours from the following group that affords students the opportunity to relate the MPA core to the concentration.

A508 Accounting for Public Administration  
V504 Public Organization  
V545 Health Policy I  
V546 Health Policy II  
V518 Intergovernmental Systems Management  
V554 Human Services Administration  
V556 Topics in Human Services Administration  
V562 Public Program Evaluation  
V563 The Planning Process  
V564 Urban Management  
V567 Public Financial Administration  
V582 The Criminal Justice System

V595 Managerial Decision-Making  
V610 Seminar in Government Budget and Program Analysis  
V621 Seminar in Housing and Public Affairs  
V631 Seminar in Health Planning  
V682 Seminar in Criminal Justice Planning and Management Issues

Other courses can be substituted with the permission of the concentration adviser and in consultation with the Graduate Program Director.

In addition to the above courses students will ordinarily select remaining courses offered by SPEA and other schools and departments in order to familiarize themselves with human services approaches.

Students without professional experience will take an internship in public affairs.



## Master of Public Affairs Double Concentration: Planning and Environmental Policy

There is an increasing emphasis on incorporating environmental data into the planning process. The double concentration in planning and environmental policy is a unique program designed to fill the need for environmental planners. Environmental planners are seen as a critical link between city officials and environmental consultants. They are able to critically analyze the work done by the consultants, and interpret the results within a public policy perspective.

### Admission Requirements

Admission requirements are the same as those for admission into the general MPA program.

### Degree requirements

1. At least 48-credit hours must be completed for the MPA degree with a double concentration in planning and environmental policy.
2. MPA Core Courses (21 cr.)
3. Requirements for Double Concentration. (All courses are three credits unless specified otherwise)

### Planning Core

SPEA V563 The Planning Process  
SPEA V593 Analytical Methods in Planning and Policy Analysis (P: V507)  
SPEA V594 Principles of Urban and Regional Science  
SPEA V549 Environmental Planning

### Environmental Science and Management

SPEA V527 Applied Ecology  
SPEA V547 Applied Earth Science  
SPEA V552 Environmental Engineering

### Additional Courses (two courses from one of the following groups)

#### Spatial Analysis

GEOG G413 Location Theory  
GEOG G488 Spatial Analysis  
GEOG G515 Mathematical Models in Geography

#### Regional Land Use

BUS L408 Real Estate Law  
ECON E419 Location and Regional Economics  
GEOG G414 Regional Transportation Systems

GEOG G415 Advanced Urban Geography  
GEOG G417 Land Use Analysis  
LAW B615 Land Use Control

### Terrestrial Systems

GEOG G335 Photogrammetry and Remote Sensing  
GEOG G336 Environmental Remote Sensing  
GEOG G404 Elements of Soil Science  
GEOG G407 Advanced Physical Geography  
GEOG G435 Cartography and Remote Sensing  
SPEA V528 Applied Ecology Laboratory  
SPEA V548 Applied Earth Science Laboratory  
SPEA V620 Environmental Analysis Workshop

### Water Resources

BIOL M420 Environmental Microbiology  
BIOL Z468 Limnology (4 cr.)  
GEOG G405 Hydroclimatology  
GEOL G451 Principles of Hydrogeology  
GEOL G551 Advanced Hydrogeology



## Graduate Courses

**V500 Quantitative Tools for Public Affairs (1-3 cr.)** A modular presentation of mathematical and statistical concepts designed to prepare students for V506. Representative module topics include: basic algebraic concepts, basic statistical concepts, probability, computer use and matrix algebra.

**\*V502 Public Management (1-3 cr.)** Analysis of concepts, methods, and procedures involved in managing public organizations. Problems of organization, planning, decision-making, performance evaluation, and the management of human resources are considered. Cases are drawn from a variety of public services found at federal, state, and local levels of government.

**V504 Public Organization (3 cr.)** Focuses on behavior within the context of the public organization. Includes such topics as perception, need satisfaction, attitude formation, motivation, leadership, systems theory, role theory, group theory, conflict theory, communication theory, and decision theory.

**V505 Basic Economics for Public Management (1 cr.)** Introductions to microeconomic analysis: basic economic terminology, simple models, use and interpretation of graphs in economics, applications of simple algebra in economics.

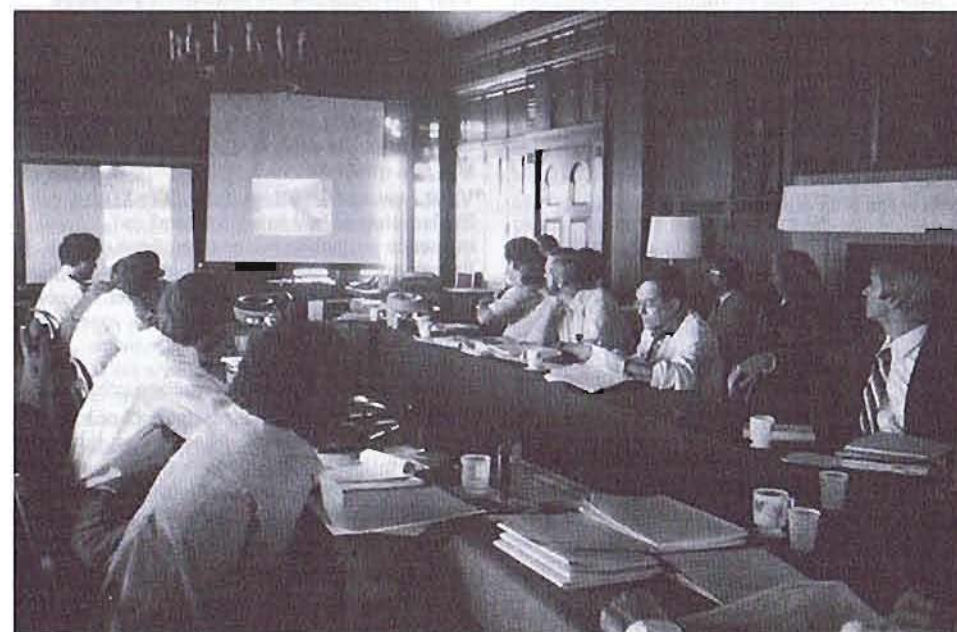
**\*V506 Quantitative Analysis for Public Affairs I (3 cr.)** P: familiarity with basic concepts in college algebra and statistics, or appropriate V500 credit. Non-calculus survey of concepts in probability, estimation, and hypothesis testing. Applications of contingency table analysis, analysis of variance, regression, and other statistical techniques. Computer processing of data emphasized.

**V507 Quantitative Analysis for Public Affairs II (3 cr.)** P: V506 or equivalent. Focus on analytical models and their use in solving problems and making decisions in the public sector. Discussion of standard approaches to modeling and estimation of parameters.

**V508 Topics in Quantitative Analysis (1-3 cr.)** P: consent of instructor. Study and application of selected quantitative methods of analysis. Additional topics which are not included in V506 or V507 may be presented, or more advanced examination of topics which are introduced in V506 and V507 may be undertaken.

**V510 The Political, Economic, and Regulatory Aspects of Environmental Control (3 cr.)** A consideration of environmental policy-making from the perspectives of state, local, and national, political, economic, and regulatory factors.

### \* Core Courses





Alternative forms of environmental regulation are considered in the light of their political and economic feasibility and consequences.

**V512 Public Policy Process (3 cr.)** An examination of the role of public affairs professionals in policy processes. Focuses on relationships with political actors in various policy arenas.

**V516 Public Management Information Systems (3 cr.)** The economic, social, demographic, technological, and political data necessary for the effective analysis and management of public services. The formation and classification of information on public programs and services. The organization, gathering, storage, and retrieval of complex data banks. The assessment of public organizational data needs.

**\*V517 Public Management Economics (3 cr.)** P: V505; E103, or its equivalent; or permission of the instructor. Application of micro-economics concepts and techniques, including cost, elasticity, pricing, wage determination, and cost-benefit analysis, to public management and public issues and concerns. The course is designed to provide a managerial economics perspective to decision-making.

**V518 Intergovernmental Systems Management (3 cr.)** Discussion of theories and approaches to systems management including responsibilities and tasks of public systems. Examination of inter-governmental relationships such as national-state-local relationships and intra-local governmental relationships, treatment of organizational and systems design as well as planning, decision-making, and control of public systems. Discussion of applications to services such as environment, health, and human resources.

**\*V520 Environmental and Social Systems (3 cr.)** The interrelationships among social, technical, and natural systems. Theories of growth. Causes and implications of environmental problems. Alternative policies and mechanisms for environmental control and bases for choice.

**V526 Applied Mathematics for Environmental Science (3 cr.)** P: Differential and integral calculus, FORTRAN. Philosophy and techniques of mathematical modeling, with emphasis on practical applications. Numerical analysis, applied calculus, differential equations, system simulation.

**V527 Applied Ecology (3 cr.)** P: An introductory level ecology course. Ecosystem concepts in natural resource management. Techniques of ecosystem analysis. Principles and practices of ecological natural resource management.

**V528 Applied Ecology Laboratory (3 cr.)** P or concurrent, V527. Field techniques for quantitative analyses of ecosystems. Introduction to laboratory techniques for applied ecological research.

**V529 Seminar in Career and Professional Development (1 cr.)** Introduction to career development in public and environmental affairs. Orientation to career development approaches and resources. Discussion and practice of professional skills and techniques. Orientation to career development opportunities.

**V532 Urban Decision-Making (3 cr.)** Administrative decision-making against the background of urban politics, power structures, bureaucracies, commercial and industrial interests, and citizen participation.

**V533 Applied Urban Economics (3 cr.)** Economic base analysis; input-output matrices; economic forecasting.

**V536 Environmental Chemistry (3 cr.)** Water, air, and soil quality and their measurements; special pollutant substances, their chemistry, sources, toxicological effects and analyses.

**V537 Environmental Chemistry Laboratory (3 cr.)** P or concurrent: V536 or consent of instructor. Experimental work in environmental chemical analysis to demonstrate analytical methods and instrumentation used in environmental laboratories, having reference to air, water, and soil quality.

**\*V540 Law and Public Affairs (3 cr.)** Explanation of law in society and its influence on public sector operations. Examination of some of the central substantive areas of the study of law, including regulatory processes, administrative adjudication, the Administrative Procedures Act, ombudsmen, citizen rights, among others.

**V545 U.S. Public Health Policy I (3 cr.)** An analysis of the delivery of health care in the U.S. from 1900-1975. Major system components are defined and studied. Topics covered include: organization of health

programs on federal, state, and local levels of government; community and volunteer organizations and alternative health delivery systems.

**V546 U.S. Public Health Policy II (3 cr.)** P: V545. An examination of three major health issues: politics and health policy, cost and quality of care, and public health law.

**V547 Applied Earth Science (3 cr.)** Principles of the earth sciences and their applications to environmental analysis and management. Identification, quantification, and analysis of critical components of watershed systems. Interaction of human activities with the physical environment.

**V548 Applied Earth Science Laboratory (3 cr.)** Principles and methods of sampling, collection, measurement, analysis, interpretation of data concerning processes and features of the physical environment. Students will become familiar with field and laboratory equipment within the context of research projects. Emphasis is placed on practical application of basic techniques to real problems.

**V549 Environmental Planning (3 cr.)** The link between environmental quality and land use planning. Analytical and regulatory approaches for incorporating physical environmental concerns into everyday planning practice. NEPA and state environmental planning programs. Methods for assessing the physical and socioeconomic effects of community and regional development proposals for inclusion in Environmental Impact Statements.

**V550 Topics in Public Affairs (cr. arr.)** Selected research and discussion topics organized on a semester-by-semester basis, usually with significant student input in the course design.

**V552 Environmental Engineering (3 cr.)** Concerned with biological, chemical, physical, and engineering knowledge essential to the achievement of environmental quality objectives. Theory and design of unit operations and processes for air, water, and land pollution abatement. Emphasis on water quality control, industrial wastewater treatment, and solid waste management.

**V554 Human Services Administration (3 cr.)** Focus is on policy, management, and organization, relating to a variety of human-service systems. Special attention is given to the management of social programs in the intergovernmental system.

**V555 Topics in Environmental Science (1-3 cr.)** Selected research and discussion topics in Environmental Science usually organized in a seminar format.

**V556 Topics in Human Services Administration (1-3 cr.)** Readings and research on selected topics in the field of the management of human services. Topics selected for study will vary.

**\*V560 Public Finance and Budgeting (1-3 cr.)** The fiscal role of government in a mixed economy, sources of public revenue and credit; administrative, political, and institutional aspects of the budget and the budgetary process; problems and trends in intergovernmental fiscal relations.

**V561 Public Personnel and Manpower Systems (1-3 cr.)** Discussion of the selection and management of personnel. Personnel systems and the role of the merit system in government. Emphasis on public labor relations and continuous training of personnel for professional development.

**V562 Public Program Evaluation (3 cr.)** Examination of how the programs of public agencies are proposed, established, operated, and evaluated. Discussion of the role and conduct of research in the program evaluation process. In addition, techniques of effective evaluation and analysis are discussed.

**V563 The Planning Process (1-3 cr.)** Seminar designed to familiarize students with planning ramifications of policy issues faced by governments. The focal topics selected for study will vary. Emphasis placed on identification and analysis of substantive issues, methods employed for resolution, and application of planning techniques for achieving goals.

**V564 Urban Administration (3 cr.)** The course deals with the administration of public policy in American urban government, with special attention to the relationship of structure, process, and policy in selected functional areas. Students will be expected to read widely and to analyze and compare different perspectives and practices rather than to conduct an intensive inquiry into some particular area.

**V566 Executive Leadership (1-3 cr.)** Analysis of executive leadership within the context of public organizations in the United States. Examines the role of public managers and the principles and factors that affect their actions in light of current research and practice.



**V567 Public Financial Administration (3 cr.)** P: V560. Problems of financial management in governmental units; alternative revenue sources, financial planning and control, cash debt management; survey of modern expenditure management, control, and planning.

**V568 Topics in Urban Services (1-3 cr.)** The course deals with selected topics in urban services. The course may focus on a specific urban service or provide an overview for several urban services.

**V570 Public Sector Labor Relations (3 cr.)** An introductory overview of labor relations concepts within the framework of the public sector. The development, practice, and extent of the collective bargaining process as well as the administration of the labor agreement will be examined for state agencies, local municipalities, and school districts.

**V575 Comparative and International Administration (3 cr.)** Reading and discussion of case studies and comparative analysis of formal organizations with emphasis on governmental bureaucracies, public corporations, and international organizations, program evaluation, communication and decision-making and administrative structure and process.

**V576 Comparative and International Development (3 cr.)** Examination of the application of development theory to the public sector. Topics include modernization theory, urbanization, development administration, community development, ethnicity, ideology, and national planning. Area case study project to include problems of policy implementation in developing areas.

**V577 Comparative and International Economics (3 cr.)** Examination of topics in international economics as related to problems of economic development. Topics include international trade, comparative economic policy, economic growth theory, economic integration, foreign aid investment, exchange rates, and international economic organization.

**V581 Public Safety Law (1-3 cr.)** Survey of historical development of Anglo-American law of public safety, including criminal law, civil remedies, administrative regulation of risk, and recent developments in employee and consumer safety. Emphasis on understanding legal theory and practice as basis for management decisions.

Comparison of jurisprudential viewpoints and other disciplinary approaches to

causation, prevention, and correction of public safety problems.

**V582 Criminal Justice Systems (2-3 cr.)** P: V586. Detailed examination of operations of police, courts, and correctional agencies. Study of management problems in system response to criminal activity. Development of understanding of interrelationships among system components. Examination of major policy issues in criminal justice, with emphasis on decision-making techniques.

**V584 Emergency Services Systems (module 2 cr.)** P: V586. Detailed examination of emergency services systems, including fire, rescue, disaster and emergency medical services. Discussion of legal issues involved in decision-making. Management of emergency services systems.

**V585 Practicum in Public Affairs (cr. arr.)** Open to interested students through the Public Careers Internship and Placement Center or Field Study Program. Students hold work assignments with public agencies; final product such as a report, oral examination, or examples of materials developed in the Practicum is required. Grading is on a satisfactory-fail basis.

**V586 Public Safety in the U.S. (3 cr.)** Overview of Criminal Justice and Public Safety. Definitions of public safety and identification of major components. Functional description of major public safety agencies. Discussion of basic issues in public safety. Management in public safety system.

**V587 Criminal Violation: Problems and Characteristics (3 cr.)** Commonalities in criminal behavior. The criminal act: circumstances leading to commission, subsequent perceptions of them. Family, community, and other environments affecting criminal behavior. Behavioral consequences of processes of crime control.

**V588 Law and Control in Society (3 cr.)** The role of law versus other forms of social control. How social change and social institutions shape the law. Social factors influencing the administration of law.

**V589 Practicum in Environmental Science (1-6 cr.)** Open to interested students through the placement center. Students hold work assignments with public agencies; final product such as a report, oral examination, or examples of materials developed in the Practicum is required. Grading is on a satisfactory-fail basis.

\* Core Courses

**V593 Analytical Methods in Planning and Policy Analysis (3 cr.)** P: V507. Topics include forecasting (e.g. population, employment, land use), optimization (e.g., CPM, PERT), operations research (e.g., queues), estimation and simulation of structural equation models.

**V594 Principles of Urban and Regional Science (3 cr.)** Discussion of the basic processes of change and development in regional systems, with emphasis on metropolitan regions. Includes economic, demographic, and environmental aspects and their interactions.

**V595 Managerial Decision-Making (1-3 cr.)** Applications of decision-making tools to substantive public management problems. A variety of managerial cases and issues are selected for intensive discussion and analysis.

**V609 Seminar in Review Theory and Administration (3 cr.)** P: V560. This seminar examines the basic objectives and the political and economic aspects of tax administration. In the course of an examination of the interrelationships of tax policy, tax laws, and tax administration, the course reviews the major economic issues raised by types of taxes and user charges. The seminar also examines the fundamentals of tax legislation. Major emphasis is on state and local administration, although some federal problems will be covered.

**V610 Seminar in Government Budget and Program Analysis (3 cr.)** P: V560. Advanced study of management aspects of budgetary process. Special cases are analyzed and budget problem-solving exercise are utilized.

**V620 Environmental Analysis Workshop (1-3 cr.)** P: permission of instructor. Projects in environmental analysis.

**V621 Seminar in Housing and Public Affairs (3 cr.)** A seminar on the policy and implementation problems associated with housing. The emphasis is on the analytical, managerial, decision skills and responsibilities of appointed public officials in the field of housing. Both macro questions of domestic housing policy and micro questions of density, code making, entering, and the like are treated.

**V631 Seminar in Health Planning (3 cr.)** A seminar in analysis and use of existing data and data systems in a planning context. Focus of the seminar will be on general systems theory as a planning tool. Student projects will be required.

**V633 Seminar in Public Transportation Policy (3 cr.)** P: V501 or 502. A seminar in the policy and implementation problems associated with public transportation. The analytical, managerial, and decision skills and responsibilities of public administrators in the field of transportation are treated. May include cases and problem-solving exercises in traffic systems management, and integrating transportation systems with other social service systems.

**V650 Topics in Public Personnel Management (1-3 cr.)** P: V561. Readings and research on selected topics in the public personnel field. Topics may include such subjects as affirmative action, occupational health and safety, manpower forecasting and planning, approaches to position classification.

**V660 Cases and Problems in Fiscal Administration (3 cr.)** P: Consent of instructor. An advanced seminar in the management aspects of public finance which focuses on the budgetary process. Special cases are analyzed and budget problem-solving exercises are utilized.

**V661 Seminar in Public Personnel Administration (3 cr.)** P: V561. The analysis and evaluation of problems in public personnel administration including training, labor relations, mobility, and the operations of civil service manpower systems.





**V662 Seminar in Productivity and Program Evaluation (3 cr.)** Examines the problem of rigorously determining the productivity of governmental services, including problems of defining and measuring public products, specifying public service inputs, and statistically estimating public service production functions. Concepts are given concrete application through careful investigation of attempts to measure productivity of governmental services.

**V663 Seminar in the Regulatory Process (3 cr.)** P: V501 or V502. An examination of the independent regulatory agencies in the Federal government and their counterparts at the local and state level. The special focus is on the interrelationship between the administrative, judicial, and rule-making powers of these agencies and their political, bureaucratic, and legal settings.

**V664 Seminar in Complex Public Organization (3 cr.)** P: V501 or V502. An advanced course in theories of organization with a special focus on the complex organization in the public sector. Both general theories, such as systems theory, and middle-range theories, such as decision theory, communications theory, and the like, are used.

**V665 Seminar in Policy and Administration (3 cr.)** Politics of program development and management. Translation of plans into viable, administrable programs. Marshalling support, political processes, strategies, constraints, tradeoffs, etc.

**V667 Seminar in Public Capital and Debt Theory and Administration (3 cr.)** P: V560. This seminar examines the options open to governments, especially state and local, and why they resort to debt finance. The issues raised by the alternatives are examined in detail. Among the topics are public authority debt, revenue bonds, methods of placement, lease-purchase finance and maturity choice. In addition, management of idle cash balances will be considered.

**V668 Problems in Fiscal Federalism (3 cr.)** P: V517 or consent of instructor. An advanced seminar in intergovernmental fiscal relations; aid programs, geographic spillovers, tax overlapping and coordination, and fiscal imbalance.

**V670 Topics in Public Sector Labor Relations (1-3 cr.)** P: V570 or permission. Selected research and discussion topics in the field of public sector labor relations arranged on a semester-by-semester basis. Possible topics are collective bargaining in the public sector and dispute settlement in public sector labor relations.

**V675 Issues and Problems in Public Sector Labor Relations (3 cr.)** P: V570 or permission. A capstone seminar providing an integrated examination of the most significant current issues and problems facing public employees and their governmental employers.

**V682 Seminar in Criminal Justice Planning, Management, and Issues (3 cr.)** P: V582. A seminar addressing selected issues in criminal justice. Topics may include management, planning, organized crime, juvenile delinquency, law enforcement, courts, corrections, and other issues. Topics will vary each semester. Different sections may address different topics. The course may be taken more than once.

**V691 Seminar in Problems and Issues in Policy Analysis (3 cr.)** An advanced consideration of policy analysis for the student with a background of calculus and statistics. The seminar considers contrasting models of policy analysis and the appropriate quantitative techniques suited to each model. The seminar requires the treatment of a specific public policy problem and the use of quantitative analysis in problem assessment.

**V890 Thesis (Ph.D.) (cr. arr.) (S-F only)**

## Other Graduate Programs

### Public Management Certificate Program

The Public Management Certificate Program requires 15 credit hours of graduate courses and is designed to provide the student with a focused study in public management. The certificate is especially appropriate for in-service individuals who wish to expand their primary field of managerial competence or who are contemplating a career change and wish to have training in the public management area prior to enrolling in the MPA degree program. Certification of a baccalaureate degree is required for admission to the Public Management Certificate program. The 15 hours of credit earned obtaining the Certificate may apply to the 48-hour requirement for individuals subsequently admitted to the MPA degree program.

## School of Public and Environmental Affairs-University of Paris-South Exchange Program

The School of Public and Environmental Affairs participates in an exchange program with the University of Paris-South. The objectives of this program are to promote a deeper knowledge and appreciation of France and the United States; and to encourage and facilitate comparative research by students and faculty of the two institutions in the area of public administration and public affairs.

The program is intended for:

1. Students from the University of Paris-South who have completed their Masters in Law.
2. Students from the School of Public and Environmental Affairs who have completed at least their first year of study toward the MPA.

Upon successful completion of the requirements of each University, students will receive a diploma from the host University. The diploma awarded by the University of Paris-South is titled: "Diplôme de gestion publique de l'Université de Paris-Sud." The diploma awarded by Indiana University is titled: "Certificate of Public Management."

Students interested in participating in this exchange program should contact the Public Affairs Graduate Program Director early in the second semester of their first year in the MPA Program.



## The State Capitol Graduate Program\*

The State Capitol Graduate Program is available to state, local, and federal government employees who work within the Indianapolis metropolitan area. The Program is especially appropriate for individuals who wish to expand their primary field of professional competence or who are shifting from professional or technical roles in the public service to managerial roles. All graduate courses taught in the Program have been designed as three one-credit-hour modules. Each module is taught intensively from 4:00 to 6:00 p.m. on Friday afternoons and from 9:00 a.m. to 1:00 p.m. on Saturday over a two-week period, and students may enroll for any or all of the individual modules. Credits earned in the State Capitol Graduate Program may be applied in a variety of ways, to the Public Management Certificate Program, the parent Master of Public Affairs, or on a graduate non-degree, continuing education basis, according to the needs of government employees. For more information, please contact: Director, Graduate Program Indiana University-Purdue University at Indianapolis School of Public and Environmental Affairs Indianapolis, IN 46223 (317) 264-4656

\* Available only on the Indianapolis campus.



## Accelerated Masters Program (AMP)

Undergraduate students who demonstrate particular excellence by maintaining a 3.6 cumulative grade point average may apply for admission to the Master of Public Affairs or the Master of Science in Environmental Science graduate programs of SPEA during their junior year. The Executive Committees of these programs will accept only those students to the AMP whose application proposals relate their undergraduate concentrations so as to give considerable strength in a particular area.

The AMP allows students to fulfill some SPEA graduate requirements during their senior year. Some of the graduate courses may be counted toward the graduate degree requirements as well as the undergraduate degree requirements, but these "double-counted" courses cannot exceed 24 credit hours in the MPA program and 18 credit hours in MSES. The AMP does not entitle students to waive any requirements of the Bachelor's degree pursued. All requirements can be met concurrently for the bachelor's and graduate degree.

AMP students may complete part or all of their master's degree on any campus of Indiana University, assuming availability of courses and approval of the AMP committee and local Program Director.

## Combined Master of Public Affairs-Doctor of Jurisprudence Program (MPA-JD)

The combined J.D.-MPA Program enables the student to take a four-year sequence of courses leading to the receipt of both degrees. The student must have a bachelor's degree from an accredited institution of higher education and must apply to both the School of Law (Bloomington) and the School of Public and Environmental Affairs. If the applicant is admitted to only one school, the applicant will be permitted to attend that school and will, of course, be required to meet graduation requirements of that school.

It is preferred that the student apply to both schools simultaneously for the combined J.D.-MPA Program. It is possible, however, for a person already enrolled in the School of Law to apply for admission to the School of Public and Environmental Affairs up to the completion of the second year of law study. It is also possible for a student enrolled in the School of Public and Environmental Affairs to seek admission to the School of Law up to the end of the first year of the MPA course of study.

Grade averages in the School of Law and the School of Public and Environmental Affairs will be computed separately. Continuation in the program will require the student to meet academic standards in each school. A student failing in one school but meeting academic standards in the other may complete work for the degree in the school in which the student is able to meet the academic standards. Such completion must be upon the same conditions (credit hours, residency, etc.) as required of regular (non-combination) degree candidates, i.e., 82 credit hours for law and 48 credit hours for SPEA. Students will be eligible for honors in each school based on the criteria of each school.

Students enrolled in the combined program will be assigned co-advisers—one each from the faculty of the Law School and School of Public and Environmental Affairs. Co-advisers will be responsible for reviewing and counseling with respect to course selection of the students for each semester to assure attainment of educational objectives. Co-advisers will also assist in scheduling problems which the student might encounter as a result of the combined degree program.

The student will customarily spend the first academic year in the School of Law. Thereafter, the student will divide the second, third, and fourth years between the two schools, taking an average of seven to eight hours of law courses each semester and four to seven hours of SPEA courses. Thus, the student will have a continuing educational experience in both Schools.

Requirements for graduation for persons admitted to the combined J.D.-MPA are as follows:

1. 76 credits of law courses, including all degree requirements (e.g., required first-year courses, research seminars, residency, etc.).
2. 34 credits of SPEA courses. Students are required to take the following MPA core courses:  
V502 Public Management (3 cr.)  
V506 Quantitative Analysis for Public Affairs I (3 cr.)  
V507 Quantitative Analysis for Public Affairs II (3 cr.)  
V517 Public Management Economics (3 cr.)  
V520 Environmental and Social Systems (3 cr.)  
V560 Public Finance and Budgeting (3 cr.)  
The remaining 16 hours will consist of 2 hours of SPEA credit for the joint research paper and the required courses for a concentration to be chosen by the student.
3. A research paper is to be completed in the last year of the combined program and jointly supervised by advisers from both schools. Credit for this supervised research will be arranged and will count toward degree requirements in both schools. A minimum of 4 credit hours must be taken with at least 2 hours of research counting for the J.D. degree and 2 hours of V590, Research in Public Affairs, counting toward the MPA program. The topic must be selected no later than the end of the third year of the combined program, must include elements of both disciplines, and must be approved by the student's co-advisers.



## Joint Master of Public Affairs/Doctor of Optometry Degrees (MPA/OD)

The School of Optometry cooperates with SPEA in a joint program for Optometry students that combines the OD and MPA programs allowing students to obtain both degrees within 5 years.

The practice of Optometry is no longer limited to the office practice, but expanding to include a field of "public health" optometry. Only recently, the American Public Health Association recognized this with creation of a new section; "Vision Care."

As a result, students interested in this career area need public administration knowledge and skills. This need can be met by offering the students the opportunity to receive both the OD and the MPA in five years rather than the "normal" six. Students begin the SPEA studies the Spring semester of the fourth year, and Optometry waives the fourth year second semester clinic requirements for these students. The full fifth year would be devoted to SPEA studies; of course, students are free to begin the SPEA portion earlier dependent upon their schedule, summer offerings, etc.

Students complete 36 credit hours of SPEA graduate work. They complete the SPEA-MPA core with the exception of V540 Law and Public Affairs and follow the Health Systems Administration concentration courses with the exception of V545 Health Policy, where a similar course exists in Optometry.

The curriculum consists of the following:

### SPEA Core

V502 Public Management  
V520 Environmental and Social Systems  
V560 Public Finance and Budgeting  
V506 Quantitative Analysis I  
V507 Quantitative Analysis II  
V517 Public Management Economics

### Health Systems Administration Requirements

V546 Health Policy II or V555 Epidemiologic Techniques  
V631 Seminar in Health Planning

### Four of the Following

V545 Health Policy I  
V546 Health Policy II  
V555 Epidemiologic Techniques  
V525 Public Financial Administration  
V595 Managerial Decision-making  
V562 Program Evaluation  
V550 Human Services Administration  
V504 Public Organizations

\* Note: other courses may be substituted with the approval of the concentration adviser.

**Sequence of Courses** With the exception of meeting prerequisite requirements, students may take the courses in any order. Much of the sequence in which the courses are taken will be determined by their availability. For example, V546 Health Policy II and V555 Epidemiologic Techniques are offered biennially.

## Combined Master of Public Affairs/Master of Library Science Program (MPA-MLS)

The School of Library and Information Science and the School of Public and Environmental Affairs collaborate in a joint masters program which addresses the demand for information specialists with public management and problem-solving skills. The program prepares students for positions in information centers and libraries in the public and private sectors as well as professional positions in information management, public affairs, and a variety of administrative jobs. The School of Library and Information Science is acknowledged as one of the top schools in this area and is accredited by the American Library Association.

Candidates for the joint degree complete the core requirements for the MPA and nine additional hours selected from an approved list of courses offered by the School of Public and Environmental Affairs. Candidates also complete core requirements and elective courses from the School of Library and Information Science with an information science emphasis. The joint program consists of a total of approximately 64 credit hours. Candidates must be admitted to both schools.

### Master of Library Science Requirements

#### Core Courses:

L504 Information Sources and Services (3 cr.)  
L508 Principles of Library Collection Building (3 cr.)  
L510 Organization of Materials and Information (3 cr.)  
L544 Introduction to Information Sciences (3 cr.)  
L558 The Library as an Organization (3 cr.)

#### Other Required Courses:

L596 Library Practice Work (3-5 cr.)  
L644 Information Storage Retrieval Methods and Techniques (3 cr.)  
L645 Systems Analysis and Design (4 cr.)  
L647 Library Automation (3 cr.)

### Master of Public Affairs Requirements

#### Core Courses:

V502 Public Management (3 cr.)  
V517 Public Management Economics (3 cr.)  
V506 Quantitative Analysis for Public Management I (3 cr.)  
V507 Quantitative Analysis for Public Management II (3 cr.)  
V520 Environmental and Social Systems (3 cr.)  
V540 Law and Public Affairs (3 cr.)  
V560 Public Finance and Budgeting (3 cr.)

#### Specialization Courses (select three of):

V504 Public Organization (3 cr.)  
A508 Accounting for Public Administration (3 cr.)  
V518 Intergovernmental Systems Management (3 cr.)  
V561 Public Personnel and Manpower Systems (3 cr.)  
V562 Public Program Evaluation (3 cr.)  
V563 The Planning Process (3 cr.)  
V567 Public Financial Administration (3 cr.)  
V570 Public Sector Labor Relations (3 cr.)

Note: Appropriate substitutions may be made with the approval of the Director of Public Affairs Graduate Programs.

#### Electives:

3 credit hours taken from SPEA courses



## Master of Science in Environmental Science (MSES)

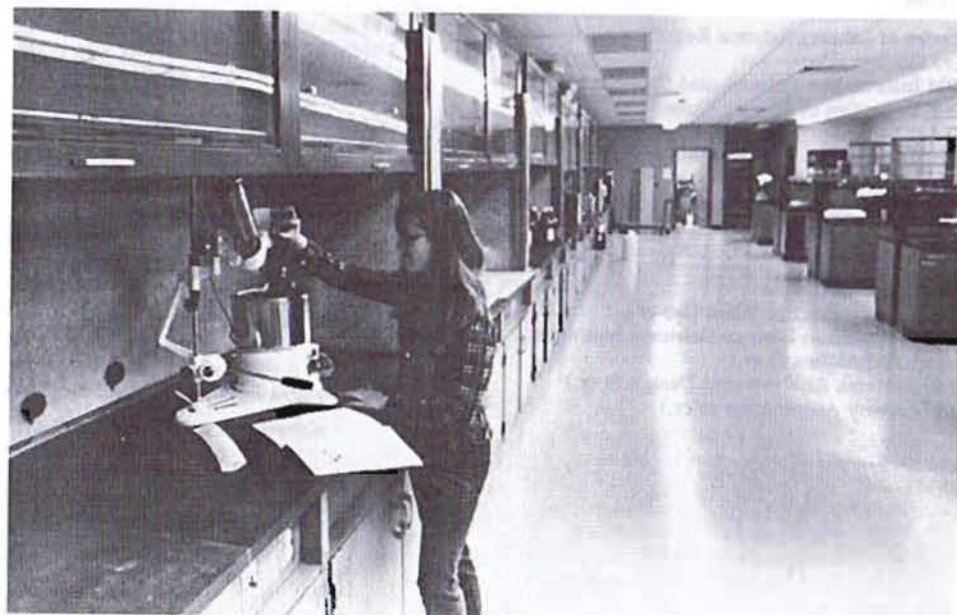
The increasingly technological nature of our society and the concern that environmental effects must routinely be considered in formulating both public and private policy have created an unprecedented need for individuals whose expertise spans both administrative and technical fields. The goal of the Master of Science in Environmental Science (MSES) program is to produce a new kind of professional who combines specialization in a particular environmental science area with the basic social science and administrative skills necessary for integrating this knowledge into a broader conceptual and operational framework. The degree allows specialization in either disciplinary or interdisciplinary applied environmental science areas.

The MSES degree is offered by the School of Public and Environmental Affairs with the cooperation of several departments in the Graduate School.

A bachelor's degree in a physical or life science, engineering, mathematics, or its equivalent is required for consideration for admission to the two-year program. At least a B average in undergraduate work is expected. Students who have not had courses

in differential and integral calculus and in statistics will be required to take these during their first year in the program in addition to the other degree requirements. Students who have not had a basic course in computer programming (FORTRAN recommended) should plan to take either a credit or noncredit programming course during their first year in the program. Students who have not had at least two semesters of chemistry with laboratories, including coverage of organic chemistry, will be required to take appropriate work in chemistry (usually C102 or C341) in addition to the other degree requirements.

The MSES program requires a minimum of 48 credit hours distributed among four components: Basic Environmental Science (12 cr.), Environmental Management and Policy (10 cr.), Applied Environmental Science Concentration (20 cr.), and Professional Experience (6 cr.). Some students admitted to the program may have had courses that exempt them from some of the requirements. The credits from these course exemptions are usually used to build a stronger concentration.



## Environmental Science and Policy Double Masters Programs

The Double Masters programs are three-year, 60-credit hour programs that give the student more depth and breadth than is generally possible with a single degree. Both degrees will be awarded simultaneously after the student has completed the requirements for both degrees.

A bachelor's degree in a physical or life science, engineering, mathematics, or its equivalent is required for consideration for admission to the three-year program. At least a B average in undergraduate work is expected. Students who have not had courses in differential and integral calculus and in statistics will be required to take these during their first year in the program in addition to the other degree requirements. Students who have not had a basic course in computer programming (FORTRAN recommended) should plan to take either a credit or noncredit programming course during their first year in the program. Students who have not had at least two semesters of chemistry with laboratories, including coverage of organic chemistry, will be required to take appropriate work in chemistry (usually C102 or C341) in addition to the other degree requirements.

A student must make application to and be accepted by both the Master of Science in Environmental Science (MSES) program and the Master of Public Affairs (MPA) program. Usually the student will select the Environmental Policy Concentration of the MPA. This double program provides wide experience in environmental science, management, and policy.

Course requirements for this double masters program include:

### 1. Basic Environmental Science Courses (12 cr.)

- V526 Mathematics for Environmental Science (3 cr.)
- V527 Applied Ecology (3 cr.)
- V536 Environmental Chemistry (3 cr.)
- V547 Applied Earth Science (3 cr.)

### 2. Public Affairs Core Courses (21 cr.)

- V502 Public Management
- V506 Quantitative Analysis for Public Affairs I
- V507 Quantitative Analysis for Public Affairs II

Students wishing information concerning the MSES program offered at Bloomington should contact:

Dr. J.C. Randolph  
Director, Environmental Programs  
School of Public and Environmental Affairs  
The Poplars, Room 438  
400 E. 7th Street  
Bloomington, IN 47405  
Phone: (812) 337-9485

**Basic Environmental Science (12 cr.).** All four courses required.

SPEA V526 Mathematics for Environmental Science.

SPEA V527 Applied Ecology

SPEA V536 Environmental Chemistry

SPEA V552 Environmental Engineering

**Environmental Management and Policy (10 cr.)**

#### 1. One of the following:

ECON E463 Environmental and Resource Economics

SPEA V517 Public Management Economics

#### 2. Two of the following:

LAW B660 Environmental Law

SPEA V502 Public Management

SPEA V510 The Political, Regulatory, and Economic Aspects of Environmental Control

SPEA V540 Law and Public Affairs

SPEA V549 Environmental Planning

SPEA V560 Public Finance and Budgeting

SPEA V620 Environmental Analysis Workshop

#### 3. SPEA V680 Seminar in Environmental Science and Policy (1-3 cr.)

**Applied Environmental Science Concentration (20 cr.)**

Each student's concentration will be developed individually in consultation with a faculty member from the environmental science concentration field and in consideration of the student's background and professional objectives. See the *Environmental Programs Bulletin* of the School of Public and Environmental Affairs for more detail and course and concentration suggestions.



V517 Public Management Economics  
V520 Environmental and Social Systems  
V540 Law and Public Affairs  
V560 Public Finance and Budgeting

### 3. Environmental Science and Policy Concentration (21 cr.)

Each student's concentration will be developed individually in consultation with one or more faculty members in environmental science and policy in consideration of the student's background and professional objectives.

### 4. Professional Experience (6 cr.)

Each recipient of the Double Masters degree must obtain professionally relevant experience through a guided on-the-job internship, advanced project (e.g., in environmental impact analysis), or through research directly related to a particular employment role. A report, paper, or thesis is usually prepared as part of this component. This will normally occur during the final year of the program. Credit awarded through V589 Practicum in Environmental Science (Arranged with SPEA Internship Office) or V625 Research in Environmental Science.

## Doctor of Philosophy Political Science and Public Affairs

### Department of Political Science Graduate Faculty

Professors Emeritus Hyneman, Kingsbury, Lambert, Laves, Stoner;

Arthur E. Bentley Professor Caldwell;

University of Professors Buehrig, Willbern;

Professors B. Carter, G. Carter, Chapman, Christoph, Diamant, Dodd, Hammer, Harik, Liebenow, Lovell, Miller, Morris, E. Ostrom (Chairperson), V. Ostrom, Rieselbach, Siffin;

Associate Professors Carmines, Furniss, Hart, Hattery, Hershey, Hoole, Keller, Kuklinski, McPherson, O'Meara, Starr, Stryker, Tilton;

Assistant Professors Bielasiak, Metlay, Robinson;

Lecturers Gillespie, Hanson, Parks.

### School of Public and Environmental Affairs Graduate Faculty

University Professor Willbern;

Arthur F. Bentley Professor Caldwell;

Professors Bonser, Black, Gawthrop, Haynes, Hites, Hopkins, Jumper, Kiesling, McGregor, Meinschein, Mikesell, O'Lessker, Rubin, Siffin;

Associate Professors McCaffery, Miller, Nelson, O'Meara, Parkhurst, Patterson, Randolph, Willard, Wise, and Zogorski.

### Special Departmental and School Requirements

**Admission** Students may be admitted to the joint Ph.D. program from four possible categories: new graduate students without graduate degrees; political science graduate students choosing this program; students continuing beyond the SPEA MPA degree; and other students with prior master's degrees. Students without the master's degree may be admitted initially by either SPEA or the Department of Political Science to a master's program or as Special Students. A student may apply for admission to the Ph.D. program any time after completing at least one semester of full-time study in

graduate work in political science or SPEA at Indiana University, Bloomington. Those seeking admission to the joint program (and students with master's degrees from other institutions seeking preliminary admission as Special Students) are subject to approval by a joint SPEA-Political Science Committee.

### Doctor of Philosophy Degree Requirements

**Fields of Study** The student will select two fields in political science, from the following: American politics; international relations; comparative politics; political theory and methodology; public administration, law and policy. In addition, the student will select two fields from SPEA. SPEA fields may be selected from the following: environmental policy, policy and administration, public finance, and urban and regional policy.

**Course Requirements** All students who have not already taken Y570, Introduction to the Study of Politics, and V506 and V507, Quantitative Analysis for Public Management I and II, or their equivalents, will be expected to take them during the first year after admission. Each student will be expected to complete at least seven seminars in Political Science and seven graduate level courses in SPEA, each with a grade of 2.0 or better, averaging at least a grade of 3.0 in all courses, prior to nomination to candidacy for the Ph.D. degree.

**Minor** Every student will be required to attain competence in at least one field outside political science and SPEA. The structure of the outside minor, which may be taken in one, or more than one, department outside political science or SPEA, depends upon the educational objectives of the student. Requirements for the outside minor vary in different departments and programs.

**Language and Research Skill** The student must demonstrate proficiency in one of the following languages or research skills: French, German, Spanish, Russian, mathematics, logic, statistics, computer science, or another language or research skill with approval of the supervisory committee and the Dean of the Graduate School. Students will not be permitted to take qualifying examinations until these requirements are satisfied, except that examinations may be taken in the semester in which the last of the requirements is being completed.

**Qualifying Examination** The qualifying examination is both written and oral covering

both the major and minor fields. The written qualifying examination is administered three times a year, in the autumn, winter, and spring.

**Advisory Committee** The advisory committee will consist of at least two faculty members from SPEA, two from political science, and one from the outside minor. The chairperson of the committee serves as the student's principal adviser. The committee will supervise the student's course of study and will conduct the qualifying examination. Fairly early in the student's work—but in no case later than the second semester after admission to the program—the advisory committee will provide the student with a formal review of the progress made toward the degree.

### SPEA Courses

V502 Public Management (3 cr.)  
V504 Public Organization (3 cr.)  
V506 Quantitative Analysis for Public Management I (3 cr.)  
V507 Quantitative Analysis for Public Management II (3 cr.)  
V508 Topics in Quantitative Analysis (3 cr.)  
V510 The Political, Economic, and Regulatory Aspects of Environmental Control (2-3 cr.)  
V511 Environmental Systems Dynamics (3 cr.)  
V513 Energy and Material Residuals in the Environment (2-3 cr.)  
V514 Problems in Public Utilities Regulation and Management (3 cr.)  
V515 Technology Assessment (3 cr.)  
V516 Public Management Information Systems (3 cr.)  
V517 Public Management Economics (3 cr.)  
V520 Environmental and Social Systems (3 cr.)  
V522 Traffic Safety Program Development (4 cr.)  
V526 Applied Mathematics for Environmental Science (3 cr.)  
V527 Applied Ecology (3 cr.)  
V528 Applied Ecology Laboratory (3 cr.)  
V536 Environmental Chemistry (3 cr.)  
V537 Environmental Chemistry Laboratory (3 cr.)  
V540 Law and Public Affairs (3 cr.)  
V545 U.S. Public Health Policy I (3 cr.)  
V546 U.S. Public Health Policy II (3 cr.)  
V547 Applied Earth Science (3 cr.)  
V548 Applied Earth Science Laboratory (3 cr.)  
V549 Environmental Planning (3 cr.)  
V550 Topics in Public Affairs (cr. arr.)  
V552 Environmental Engineering (3 cr.)  
V553 Differential Equations in Environmental Science (3 cr.)



- V555 Topics in Environmental Science (2-3 cr.)  
 V560 Public Finance and Budgeting (3 cr.)  
 V561 Public Personnel and Manpower Systems (2-3 cr.)  
 V562 Public Program Evaluation (3 cr.)  
 V563 Seminar in Planning Process (3 cr.)  
 V564 Urban Administration (3 cr.)  
 V567 Public Financial Administration (3 cr.)  
 V570 Public Sector Labor Relations (3 cr.)  
 V571 State Policy Processes (3 cr.)  
 V575 Comparative and International Administration (3 cr.)  
 V576 Comparative and International Development (3 cr.)  
 V577 Comparative and International Economics (3 cr.)  
 V579 Readings in Environmental Science (cr. arr.)  
 V580 Readings in Public Affairs (1-3 cr.)  
 V581 Public Safety Law (3 cr.)  
 V582 Criminal Justice Systems (2-3 cr.)  
 V586 Public Safety in the U.S. (2-3 cr.)  
 V590 Research in Public Affairs (1-3 cr.)  
 V593 Analytical Methods in Planning and Policy Analysis (3 cr.)  
 V594 Principles of Urban and Regional Science (3 cr.)  
 V595 Managerial Decision-Making (2-3 cr.)  
 V609 Seminar in Revenue Theory and Administration (3 cr.)  
 V610 Seminar in Government Budget and Program Analysis (3 cr.)  
 V620 Environmental Analysis Workshop (1-3 cr.)  
 V621 Seminar in Housing and Public Affairs (3 cr.)  
 V625 Research in Environmental Science (1-3 cr.)  
 V630 Topics in Planning (3 cr.)  
 V631 Seminar in Health Planning (3 cr.)  
 V633 Seminar in Public Transportation Policy (3 cr.)  
 V650 Topics in Public Personnel Management (1-3 cr.)  
 V660 Cases and Problems in Fiscal Administration (3 cr.)  
 V661 Seminar in Public Personnel Administration (3 cr.)  
 V662 Seminar in Productivity and Program Evaluation (3 cr.)  
 V663 Seminar in Regulatory Process (3 cr.)  
 V664 Seminar in Complex Public Organization (3 cr.)  
 V665 Seminar in Policy and Administration (3 cr.)  
 V666 Seminar in Public Expenditure Theory and Administration (3 cr.)  
 V667 Seminar in Public Capital and Debt Theory and Administration (3 cr.)  
 V668 Problems in Fiscal Federalism (3 cr.)

- V670 Topics in Public Sector Labor Relations (1-3 cr.)  
 V675 Issues and Problems in Public Sector Labor Relations (3 cr.)  
 V682 Seminar in Criminal Justice Planning, Management, and Issues (3 cr.)  
 V683 Seminar in Highway Safety Planning, Management, and Issues (3 cr.)  
 V684 Seminar in Emergency Services Planning, Management, and Issues (3 cr.)  
 V685 Seminar in State and Local Legislatures (3 cr.)  
 V690 Seminar in the Public Policy Process (3 cr.)  
 V691 Seminar in Problems and Issues in Policy Analysis (3 cr.)  
 V890 Thesis (Ph.D.) (cr. arr.)

### Political Science Courses

- Y300 American Politics for Foreign Students (3 cr.)  
 Y311 National Security in a Democratic Polity (3 cr.)  
 Y312 Workshop in State and Local Government (3 cr.)  
 Y313 Environmental Policy (3 cr.)  
 Y330 Comparative Political Analysis (3 cr.)  
 Y333 Chinese Political System (3 cr.)  
 Y334 Japanese Political System (3 cr.)  
 Y337 Latin American Political Systems (3 cr.)  
 Y338 African Political Systems (3 cr.)  
 Y339 Middle Eastern Political Systems (3 cr.)  
 Y340 Eastern European Political Systems (3 cr.)  
 Y342 Topics on the Regional Politics in Africa (3 cr.)  
 Y343 Developmental Problems of Non-Industrial Societies (3 cr.)  
 Y364 International Organization: Political and Security Aspects (3 cr.)  
 Y365 International Organization: Social and Economic Aspects (3 cr.)  
 Y367 International Law (3 cr.)  
 Y368 Soviet Foreign Policy (3 cr.)  
 Y369 Introduction to East Asian Politics (3 cr.)  
 Y370 Interpretations of International Politics (2 cr.)  
 Y371 Workshop in International Topics and American Foreign Relations for Teachers and Community Leaders (3 cr.)  
 Y372 The Analysis of International Politics (3 cr.)  
 Y381 History of Political Theory I (3 cr.)  
 H382 History of Political Theory II (3 cr.)  
 H383 American Political Ideas I (2 cr.)  
 Y384 American Political Ideas II (2 cr.)  
 Y385 Russian Political Ideas (3 cr.)  
 Y386 East Asian Political Ideas (3 cr.)  
 Y387 Near Eastern Political Ideas (3 cr.)

- Y388 Marxist Theory (3 cr.)  
 Y390 Micropolitics and Organizational Behavior (3 cr.)  
 Y391 Political Decision Making (3 cr.)  
 Y392 Problems of Contemporary Political Philosophy (3 cr.)  
 Y393 Logic of Political Association (3 cr.)  
 Y394 Public Policy Analysis (3 cr.)  
 Y550 Political Science and Political Education (3 cr.)  
 Y570 Introduction to the Study of Politics (3 cr.)  
 Y580 Research Methods in Political Science (3 cr.)  
 Y581 Political Data Analysis (3 cr.)  
 Y591 The Use of Computing Machinery in Political Science (1 cr.)  
 Y592 Bibliography of Political Science (1 cr.)  
 Y657 Comparative Politics (3 cr.)  
 Y661 American Politics (3 cr.)  
 Y663 Political and Administrative Development (3 cr.)  
 Y665 Public Law and Policy (3 cr.)  
 Y669 International Relations (3 cr.)  
 Y671 Public Administration (3 cr.)  
 Y673 Empirical Theory and Methodology (3 cr.)  
 Y675 Political Philosophy (3 cr.)  
 Y681 Readings in Comparative Politics (1-4 cr.)  
 Y683 Readings in American Politics (1-4 cr.)  
 Y685 Readings in Public Administration, Law and Policy (1-4 cr.)  
 Y687 Readings in International Relations (1-4 cr.)  
 Y689 Readings in Political Theory and Methodology (1-4 cr.)  
 Y757 Comparative Politics (3 cr.)  
 Y761 American Politics (3 cr.)  
 Y763 Political and Administrative Development (3 cr.)  
 Y765 Public Law and Policy (3 cr.)  
 Y769 International Relations (3 cr.)  
 Y771 Public Administration (3 cr.)  
 Y773 Empirical Theory and Methodology (3 cr.)  
 Y775 Political Philosophy (3 cr.)  
 Y780 Directed Research in Political Science (1-4 cr.)  
 Y880 Thesis (A.M.) (1-4 cr.)  
 Y890 Thesis (Ph.D.) (cr. arr.)  
 G591 Methods of Population Analysis and Their Applications (3 cr.)

## Doctor of Philosophy Regional Analysis and Planning

### Department of Geography Graduate Faculty:

**Professors** Barton (Emeritus), Black, Haynes, Taaffe (Chairperson);

**Associate Professors** Bennett, Kingsbury, Mackay, Miller, Odland, Onesti, Wohlenberg;

**Assistant Professors** Conway, Fotheringham, Greer, Olyphant, Sanders

### School of Public and Environmental Affairs Graduate Faculty:

**University Professor** Willbern;

**Arthur F. Bentley Professor** Caldwell;

**Professors** Black, Bonser, Gawthrop, Haynes, Hites, Hopkins, Jumper, Kiesling, McGregor, Meinschein, Mikesell, O'Lessker, Rubin, Siffin;

**Associate Professors** McCaffery, Miller, Nelson, O'Meara, Parkhurst, Patterson, Randolph, Willard, Wise, and Zogorski.

### Special Departmental and School Requirements

**Admission** Students may be admitted to the Regional Analysis and Planning Ph.D. program from four possible categories: new graduate students without graduate degrees; geography graduate students choosing this program; students continuing beyond the SPEA MPA degree; and other students with prior master's degrees. Students without the master's degree may apply for admission to either SPEA or Geography for their master's program or they may apply to the program's admission committee.

The Regional Analysis and Planning program admission committee is composed of two representatives from each unit above (SPEA and Geography). Evidence considered by the admissions committee in evaluating applications to the program include: (1) student performance as an undergraduate student; (2) student performance in any graduate work completed in Geography, SPEA, or elsewhere; and (3) any evidence of scholarly skill and attainment as evidenced by previous written work and faculty



evaluations. If an application for the program is rejected by the committee, the applicant may reapply after at least one additional semester of course work has been completed.

### Doctor of Philosophy Degree Requirements:

**Fields of Study** The student will complete a required major consisting of courses in planning, quantitative methods, and research seminars. Each student must then select a concentration area. The concentrations approved are: Socioeconomic Systems and Environmental Systems. Students must complete 15 graduate hours of course work in the concentration selected.

**Course Requirements** A 31-credit-hour core curriculum consisting of Seminar in the Planning Process (V563), Research Problems in Geography (G500), Principles of Urban and Regional Science (V594), Public Finance and Budgeting (V560), and Law and Public Affairs (V540) must be completed by all students. In addition, each candidate must complete the program's quantitative requirements which include Advanced Quantitative Methods in Geography (G504), Mathematical Models in Geography (G515), and Analytical Methods in Planning and Policy Analysis (V593), and two seminars from those approved for this program. The

student must complete these required courses with a grade of B or better prior to nomination to candidacy for the Ph.D. degree. A minimum of 90 graduate credit hours of work beyond the B.A. level is required.

**Minor** Every student will be required to attain competence in at least one field outside geography and SPEA. The minor should complement the program and contribute to educational objectives of the student. Possible minors would include: Business (Applied Urban Economics); Business (Quantitative Business Analysis); Business (Transportation); Urban Affairs; Computer Science; or Recreation (Community and Recreational Planning). Requirements for the minor are set by the department or program which offers it. The minor selected must be from the list of approved minors in the *Bulletin* of the Graduate School (unless exceptions are approved by the Graduate School).

**Advisory Committee** The program's Admissions Committee will serve as the student's Advisory Committee during the first semester in residence. By the beginning of the second semester the student should select an adviser. The adviser, with the approval of the student, will select the members of the Advisory Committee, which

will consist of at least two faculty members from SPEA, two from Geography, and one from the outside minor. The student's principal adviser will serve as chairperson of the Advisory Committee. The Advisory Committee will supervise the student's course of study and will conduct the qualifying examination.

**Qualifying Examination** The qualifying examination will consist of written and oral parts and is intended to evaluate the student's substantive knowledge and analytical ability over the core requirements and concentration area. Whether the outside minor is covered on this examination rests with the department offering the minor.

**Candidacy and Research Committee** Following successful completion of the qualifying examination, the student should identify a dissertation topic and prepare a proposal on that topic. Depending on the topic selected, the student may wish to identify a new adviser and committee for the dissertation work. This Research Committee will also be selected by the new adviser and the student, and must include at least two members from Geography, two from SPEA, and a representative of the outside minor. The Advisory Committee may also serve as the Research Committee. The committee identified is appointed by the Graduate School on recommendation of the Department of Geography and SPEA. Following a formal presentation of the dissertation proposal and its acceptance by the Research Committee, the student is admitted to candidacy for the Ph.D.

**Final Examination** A final examination or defense of the dissertation is required.

### Core Courses (Required)

- Group 1 (Basic)**
  - V563 Seminar in the Planning Process (3 cr.)
  - G500 Research Problems in Geography (4 cr.)
  - V594 Principles of Urban and Regional Science (3 cr.)
  - V560 Public Finance and Budgeting (3 cr.)
  - V540 Law and Public Affairs (3 cr.)
- Group 2 (Quantitative)**
  - G504 Advanced Quantitative Methods in Geography (3 cr.)
  - V593 Analytical Methods in Planning and Policy Analysis (3 cr.)
  - G515 Mathematical Models in Geography (3 cr.)
- Group 3 (Seminars: 2 required)**
  - G814 Seminar in Settlement and Urban Geography (3 cr.)

- G825 Seminar in Transport Analysis (3 cr.)
- G803 Seminar in Economic Geography (3 cr.)
- G802 Seminar in Physical Geography (3 cr.)

### Field of Concentration

No less than 15 hours of coursework should emphasize one of the subject areas below:

- Socioeconomic Systems**
  - G412 Urban Transportation Analysis (3 cr.)
  - G414 Regional Transport Systems (3 cr.)
  - G415 Advanced Urban Geography (3 cr.)
  - V502 Public Management (3 cr.)
  - V504 Public Organization (3 cr.)
  - V517 Public Management Economics (3 cr.)
  - V567 Public Financial Administration (3 cr.)
  - G531 Applied Urban Economics (3 cr.) (Business)
  - V562 Public Program Evaluation (2-3 cr.)
  - V564 Urban Administration (3 cr.)
  - V580 Readings in Public Affairs (3 cr.)
  - Y590 Research in Public Affairs (3 cr.)
  - L612 Land Use Control (3 cr.) (Law)
  - V621 Seminar in Housing and Public Affairs (3 cr.)
  - G630 Methods of Urban and Regional Analysis (3 cr.) (Business)
  - G631 Problems and Policy for Urban Development (3 cr.) (Business)
  - V633 Seminar in Public Transportation Policy (3 cr.)
  - G830 Readings in Geography (3 cr.)
  - G840 Research in Geography (cr. arr.)
- Environmental Systems**
  - G304 Climatology (3 cr.)
  - G404 Elements of Soil Science (3 cr.)
  - G405 Hydroclimatology (3 cr.)
  - G417 Land Use Analysis (3 cr.)
  - G477 Advanced Climatology (3 cr.)
  - V510 The Political, Economic, and Regulatory Aspects of Environmental Control (2-3 cr.)
  - V511 Environmental Systems Dynamics (3 cr.)
  - V527 Applied Ecology (3 cr.)
  - V528 Applied Ecology Laboratory (3 cr.)
  - V547 Applied Earth Science (3 cr.)
  - V548 Applied Earth Science Laboratory (3 cr.)
  - V549 Environmental Planning (3 cr.)
  - V552 Environmental Engineering (3 cr.)
  - V555 Topics in Environmental Science (3 cr.)
  - V580 Readings in Public Affairs (1-3 cr.)
  - V590 Research in Public Affairs (1-3 cr.)
  - G830 Readings in Geography (3 cr.)
  - G840 Research in Geography (cr. arr.)





## The Public and Environmental Affairs Doctoral Minors

The School of Public and Environmental Affairs provides course work and other student-related activities for those working toward doctoral degrees in other schools and colleges of Indiana University who select Public and Environmental Affairs as their minor field. Three such minor fields are available: General Public and Environmental Affairs, Environmental Studies, and Urban Affairs.

### General Public and Environmental Affairs Minor

To satisfy the General Public and Environmental Affairs Minor, the doctoral student must do the following *after obtaining approval from the doctoral committee*:

1. Secure an adviser from the faculty of the School of Public and Environmental Affairs.
2. Select a minimum of 12 credit hours of course work, agreed upon by the student and the adviser, only 3 hours of which can be in V580 Readings in Public Affairs or V590 Directed Research.
3. Maintain a minimum grade-point average of 3.0 (A=4.0) in courses in the minor.

The adviser must agree to serve as the representative of the School of Public and Environmental Affairs in all examinations or other requirements of the student's doctoral program which relate to the minor field.

### The Environmental Studies Minor

Students in Ph.D. programs at Indiana University may, with the consent of their committee, choose Environmental Studies as an outside minor. The minor is flexible and is usually designed by students in accordance with their needs.

### Requirements

1. The Ph.D. candidate must secure a faculty adviser in consultation with the Director of Environmental Programs. The adviser may not be from the candidate's major department. The candidate's adviser will serve as the representative in all examinations or other requirements of the candidate's Ph.D. program that relate to the minor. The adviser shall decide on the character of the examination, if any, in the minor field, and shall certify that the candidate has met the requirements of the minor.

2. The candidate must take at least twelve credit hours of graduate level courses related to Environmental Studies. These must be from at least two different disciplines outside the candidate's major department. The choice of courses should be made in consultation with the candidate's adviser and must be approved by the Director of Environmental Programs.

Acceptance of the proposed minor will be based on two criteria: (a) the courses must bear a direct relationship to Environmental Studies and (b) the courses must not normally be required as part of the major or tool skill options in the student's major department.

3. A minimum grade-point average of 3.0 (B) must be maintained in courses used for the minor.

Courses in the minor program should be selected according to student interest. Students majoring in areas other than the natural sciences, for example, may wish to peruse carefully the offerings in natural science departments. Similarly, natural science students should examine course offerings in the social and behavioral sciences.

Students should note that although most courses from Business, Law, and SPEA have not been accepted for general use in the Graduate School, approval can be sought for the inclusion of courses from these schools in the minor when they are especially appropriate to the student's objectives. Students should consult the *Bulletins* of SPEA, Schools of Business, Law, and Health, Physical Education and Recreation in addition to the *Bulletin* of the Graduate School for additional course listings.

### The Urban Affairs Minor

Students in doctoral programs at Indiana University may choose Urban Affairs as an outside minor. To offer Urban Affairs as a minor, the doctoral candidate must do the following after obtaining approval from the doctoral committee:

1. Secure a faculty adviser from the Urban Affairs Committee in consultation with the Director of the Urban Center; the faculty adviser must not be in the candidate's major department.
2. Take at least 12 credit hours of courses in Urban Affairs available for graduate credit from at least two different disciplines outside the candidate's major. The choice

- of courses must be made in consultation with the candidate's adviser from among those listed or appropriate substitutes.
3. Maintain a minimum grade-point average of 3.0 (A=4.0) in courses in the minor.

The candidate's adviser will serve as the representative of the Urban Affairs Committee in all examinations or other requirements of the candidate's doctoral program which relate to the minor. The adviser shall decide on the character of the examination, if any, in the minor field and shall certify that the candidate has met the requirements of the candidate's doctoral program which relate to the minor.

### Courses Suitable for Doctoral Minor in Urban Affairs

#### Public and Environmental Affairs

- V365 Urban and Regional Planning (3 cr.)  
V564 Urban Administration (3 cr.)  
V621 Seminar in Housing and Public Affairs (3 cr.)  
V633 Seminar in Public Transportation Policy (3 cr.)

#### Afro-American Studies

- A440 History of Education of Black Americans (3 cr.)

#### Anthropology

- E380 Urban Anthropology (3 cr.)

#### Applied Economics

- G531 Applied Urban Economics: Theory Problems and Policy (3 cr.)  
G630 Methods of Urban and Regional Analysis (3 cr.)  
G631 Problems and Policies for Urban Development (3 cr.)

#### Environmental Studies

- E400 Topics in Environmental Studies (2-3 cr.)

#### Geography

- G412 Urban Transportation Analysis (3 cr.)  
G415 Advanced Urban Geography (3 cr.)  
G814 Seminar in Settlement and Urban Geography (3 cr.)

#### History

- A347 Cities and Urbanization in American History (3 cr.)  
S870 Seminar in Latin American History (National Period) Topic: Urbanization in Latin America (4 cr.)

#### Political Science

- Y308 Urban Politics (3 cr.)  
Y671 Public Administration Topic: Urban Administration (3 cr.)

#### Sociology

- S426 Control of Crime (3 cr.)  
S427 Social Conflict (3 cr.)  
S565 Seminar in Community Power Structures (3 cr.)

#### Law School

- B618 Introduction to Welfare Law (3 cr.)



## Proposed Ph.D. in Environmental Science: School of Public and Environmental Affairs and The Graduate School

The Ph.D. in Environmental Science degree requires (1) substantial knowledge in a primary environmental concentration, (2) competence in the related environmental sciences, (3) an understanding of research principles and methodology which is verified, in part, by completing significant, independent, and original research, (4) an in-depth knowledge of the topic in which the dissertation is written, and (5) a dissertation that demonstrates the student's ability to analyze, explain, and interpret the research findings clearly and effectively.

This doctoral program has been established to provide an advanced, vigorous, interdisciplinary educational experience in environmental science. The objectives of the program are: (1) to further our understanding of the nature and management of natural and human environments, (2) to encourage advanced research and scientific analysis of environmental events, issues, and problems, (3) to provide an opportunity for students and faculty members in several departments to engage in collaborative environmental research in an interdisciplinary mode.

This doctoral program is intended to provide both breadth across the various environmental sciences as well as depth in some concentration area. Breadth is achieved through selection of a set of environmental science and policy courses and comprehensive qualifying examinations. Specialization occurs in the selection of concentration courses, preparation of a research proposal, and qualifying examinations. Both competency in a specialization and breadth across the environmental sciences should be demonstrated in seminar presentations and the dissertation research. The dissertation research undertaken by the student will be interdisciplinary in nature, not a highly disciplinary focus which usually might be undertaken in a traditional science department. The dissertation research usually will be of an applied nature directed toward solutions of environmental problems.

### Admission Procedures

A student must make application to and be accepted for doctoral-level graduate work by the Environmental Programs Admissions Committee of the School of Public and Environmental Affairs. Applicants to this program must have completed at least a baccalaureate degree in science, mathematics, engineering, or related fields.

### Program Planning

Upon admission each student will be assigned an interim adviser and, with that person's help, should define a "principal field of study," and describe it in a narrative statement. This principal field may lie entirely within one of the traditional scientific disciplines or may be interdisciplinary. The student should prepare a proposal outlining a program of course work (15 credit hour minimum) that he or she feels lies within that field.

Each student should also prepare a program of course work (15 credit hour minimum) related to his or her educational goals which fulfills the requirement of breadth in the environmental sciences. The student should submit this program with a brief narrative statement to the advisory committee for approval. These courses will usually be selected from SPEA environmental science and policy courses, but may include other courses approved by the advisory committee.

The student should submit the complete coursework program and the statements for the approval of the advisory committee. This program may be modified as seems appropriate with the approval of the committee. Examples of course work programs are listed below.

### Credit Hour Requirements

The Ph.D. degree requires the completion of at least 90 credit hours in advanced study and research. A student must complete a minimum of 15 credit hours of advanced course work in the concentration area. A minimum of 15 credit hours of advanced course work in the basic environmental sciences is also required.

A student must complete a minimum of 30 credit hours of research, normally taken as: SPEA V625 Research in Environmental Science, or SPEA V890 Thesis.

With the approval of the committee, the student should undertake some combination of additional course work and research credit sufficient to meet the 90 credit hour requirement.

### Related Degree Programs

Students should note that 30 credit hours of advanced course work and 6 credit hours of research, if properly selected, may be applied toward the Master of Science in Environmental Science (MSES) degree. With an additional 12 credit hours of approved course work, a student may be awarded the MSES degree while completing the requirements for the Ph.D. in Environmental Science. Completion of the MSES degree as part of this doctoral program is not a requirement; however, this option may be appropriate for many students.

Students in this doctoral program may wish to consider other related degree programs as well, such as (1) a MA in Chemistry, Ecology and Evolutionary Biology, Geology, or Geography, (2) the MSES Double Masters program in conjunction with one of the above, (3) the MSES-JD law double degree program, or (4) a Master of Public Affairs degree.

### Advisory Committee

As soon as possible after the student has enrolled, and not later than one semester, an advisory committee must be formed. Normally this committee will consist of at least four faculty members: at least two should be from SPEA, the others from one or more other departments. Membership of the advisory committee will be approved by the Director of Environmental Programs. At least two members of the advisory committee must be members of the Graduate Faculty.

### Seminar Program

The Seminar in Environmental Science and Policy should be attended at all times, but students are required to enroll for credit on only two occasions. In their third or fourth semester in the program, the student should present a discussion reviewing a topic approved by the seminar coordinator. At the end of the dissertation research, each student should present a discussion of his or her work for the dissertation.

### Admission to Candidacy

Before a student is admitted to candidacy, all requirements determined by the advisory committee must be met, and the qualifying examinations passed. The qualifying examinations test the student's preparation for research and comprehension of accumulated knowledge and thus represent a broader synthesis than might be accomplished in prior course examinations. Normally, only one retake is allowed for failed qualifying examinations.

### Qualifying Examinations

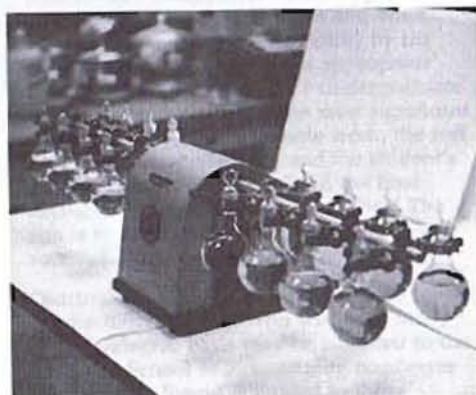
**Written examination** This examination should be taken at the beginning of a student's fourth semester in the Ph.D. program. It will consist of two units; each student is required to pass both. The basic environmental science unit will cover environmentally related areas of biology, chemistry, engineering, and geology. The second unit will focus upon the concentration area as chosen by the student. The examination will be written and graded by a committee of faculty members, chaired by the Director of Environmental Programs. The written examination will be graded as Pass, Marginal, or Fail.

**Research proposal** During the student's second year in the Ph.D. program, he or she should submit a written research proposal for review by the advisory committee. The proposal should be fully documented, stating clearly a research objective, the approach to be taken, and the significance of the work.

**Oral examination** Each candidate will be examined orally by the advisory committee. The oral examination will be comprehensive in nature and will also cover the student's research proposal. The decision to admit a student to doctoral candidacy will be made by this committee, which will evaluate the student's performance in the oral examination in the context of performance in the written examination and the research proposal.

### Research Committee

Upon successful completion of the qualifying examination, the student will form a research committee, which may have the same membership as the advisory committee or may be changed according to the nature of the dissertation research. The director of





Environmental Programs shall then recommend to the Dean of the Graduate School and the Dean of the School of Public and Environmental Affairs a research committee composed of the chosen professor as chairperson, at least two faculty members from the School of Public and Environmental Affairs, and at least one faculty member from one or more other science departments. All members of the research committee must be members of the Graduate Faculty.

#### Dissertation

A dissertation is required and must be of sufficient value, either in part or as a whole, to warrant publication. The dissertation must represent a substantial research effort, both in quantity and quality. The dissertation should present a project comprising truly interdisciplinary environmental science research. A public presentation of the dissertation research is required. The dissertation must be approved by all members of the research committee.

## Admission to the Graduate Programs

Indiana University complies with all Federal regulations prohibiting discrimination on the basis of race, religion, national origin, sex, age, handicap, or veteran status in matters pertaining to admission, employment, and access to programs. The University Affirmative Action Program and an Affirmative Action Office on each campus ensure compliance with these regulations.

### The Graduate Programs

The Graduate Programs of the School of Public and Environmental Affairs encompass both degree programs and doctoral minors.\* The graduate degrees are the Master of Public Affairs (MPA), the Master of Science in Environmental Science (MSES), the Doctor of Philosophy (Ph.D.) in Political Science and Public Affairs and the Doctor of Philosophy (Ph.D.) in Regional Analysis and Planning, and a combined Master of Public Affairs-Master of Science in Environmental Science degree (MPA-MSES). The School also participates in a combined Master of Public Affairs-Master of Library Science degree (MPA-MLS), a combined Master of Public Affairs-Doctor of Optometry degree (MPA-OD), and a combined Master of Public Affairs-Doctor of Jurisprudence (MPA-JD) degree. The School also provides minor fields of study in Public and Environmental Affairs, Urban Affairs, and Environmental Studies for students in doctoral programs at Indiana University. In addition, the Graduate Program includes the Public Management Certificate, the State Capitol Graduate Program, the nondegree program, and Advanced Studies in Science, Technology, and Public Policy.

### Admission to the Graduate Programs

**Application** Applications for admission and financial aid can be obtained from the director of the appropriate degree program (MPA, MSES, JD-MPA, Ph.D.) on any

\* The Master of Public Affairs and the Public Management Certificate are offered on the Bloomington and Indianapolis campuses; the State Capitol Graduate Program is available only through Indianapolis. Other graduate programs are available only on the Bloomington campus.

Indiana University campus offering the degree, or from:  
Office of Graduate Admissions  
School of Public and Environmental Affairs  
Indiana University  
400 East Seventh Street  
Bloomington, IN 47405

Director, Graduate Program  
School of Public and Environmental Affairs  
Indiana University-Purdue University at Indianapolis  
Business-SPEA Bldg.  
801 W. Michigan  
Indianapolis, IN 46202

The forms should be returned to the campus where the student intends to enroll.

It is suggested that applications for both admission and financial aid be made on or before the following dates:

**Bloomington**  
for Summer: April 15  
for Fall: July 1  
for Spring: November 15

**Indianapolis**  
for Fall: August 15  
for Spring: December 15

Applications for admission will still be considered after these dates. However, applications for financial support for Fall semester, Bloomington, prior to April 15 will receive priority consideration. All applications must be accompanied by one complete transcript of previous college and university work. Indiana University graduates should request the Office of Records and Admissions to send official copies of their transcripts to the director of the appropriate degree programs. The student must request that all colleges and universities attended mail certified copies of transcripts to the director of the degree program selected.

**Application Fee** A nonrefundable application fee of \$15 is required of all applicants who have not previously attended Indiana University.

**Baccalaureate Certificate** Certification of a baccalaureate degree is required for entrance. Although the student may not have completed undergraduate work at the time of application, a decision will be made on the strength of the student's work at the time of application. However, a final transcript showing graduation must become a part of the student's permanent record before he or she can be formally enrolled.

**Application References** The student should ask three individuals, preferably professors who are familiar with his or her activities and potential, to fill out an Application Reference Form. These forms will be provided with the application form.

### Admission Policies and Procedures

Admission to the Master of Public Affairs Program is limited to students of demonstrated aptitude and scholarship. The Program is interdisciplinary in nature, and thus no particular undergraduate major is specifically required. Undergraduate grades, more than study in a particular discipline on the undergraduate level, often predict success or failure in graduate study. Normally, an accumulative grade-point index of 3.0 (4.0=A) is the minimum level of undergraduate academic performance necessary for regular admission.

**Validity** Following notice of admission, an applicant has one calendar year in which to enroll. Supplementary transcripts of any academic work undertaken during that period are required, and a department may request additional letters of recommendation. Should the updated material prove unsatisfactory, the admission may be cancelled. If the applicant fails to enroll within one year, a complete new application is required.

**Examination for Admission** Applicants for admission to the graduate programs are required to take the Aptitude Test of the Graduate Record Examination (GRE). Applicants for the MPA-JD Program may submit the Law School Admission Test (LSAT). Information concerning the GRE and the LSAT is available from the Educational Testing Service, 20 Nassau Street, Princeton, New Jersey 08540.

**Admissions Committees** Each application, with accompanying transcripts and other documents, is considered carefully by the admissions committee for the appropriate degree. While the applicant's undergraduate scholastic performance is the most significant index of ability to do graduate work, the test scores, recommendations, and the student's statement can weigh heavily in the final decision of the admissions committee. The aim is to select those applicants who can successfully complete graduate study.

**Continuing Nondegree Students** The holder of a bachelor's degree who wishes to study on a nondegree basis may be admitted to the Graduate School as a continuing nondegree student. Enrollment is limited to those



courses for which the student can obtain specific permission to register, which takes into consideration the requisite background and course enrollment limitations.

If a student initially admitted as a continuing nondegree student later wishes to obtain a graduate degree, this student must make a formal application for admission to the appropriate Admissions Committee.

No more than 12 hours of graduate credit taken as a continuing nondegree student may be credited toward a SPEA graduate degree. Students who have been denied admission to a SPEA graduate program may enroll as continuing nondegree students only with approval of the program director. (This restriction does not apply to students in SPEA certificate programs.)

A continuing nondegree student may enroll in more than 12 hours of SPEA graduate courses only if the student maintains a G.P.A. of at least 3.0.

**Grade Average, Provisional, and Probationary Status** Students may be admitted on a provisional basis for particular reasons, such as deficiencies in certain areas. The provisional status will be removed upon fulfillment of the stipulated conditions. A cumulative grade-point average of 3.0 (A=4.0) or higher for all work taken for graduate credit must be earned as a prerequisite for continuation in good standing and for graduate credit must be earned as a prerequisite for continuation in good standing, and for graduation. Students whose cumulative grade-point average falls below 3.0 will be placed on probation. To be removed from probation, students either placed on probation or admitted on a provisional basis are required to attain an average of at least 3.0 for all graduate work completed by the end of the next semester of full-time enrollment or its equivalent (12 credit hours). Failure to do so will be cause for dismissal.

## Academic Standing

The official grading system of the School of Public and Environmental Affairs is as follows:

- A(4.0)—Highest Passing Grade
- A- (3.7)
- B+ (3.3)
- B (3.0)
- B- (2.7)
- C+ (2.3)
- C (2.0)—Lowest Passing Grade
- C- (1.7)
- D+ (1.3)
- D (1.0)
- D- (0.7)
- F(0.0)—Failed
- I—Incomplete
- W—Withdrawn
- R—Deferred
- NR—No Report

An overall grade index of 3.0 (4.0=A) or higher in all work taken for graduate credit must be earned as a prerequisite to continuation in good standing and for the purpose of completing graduation requirements. Only courses with grades of C or above may be counted toward degree requirements, although grades of D and lower are used in computing the overall grade index. If a grade of F is received, that course must be repeated.

## Degree Requirements, Transfer of Credit Course Waivers

**Length of Program and Course Load** A minimum of 48 credit hours must be completed in order to qualify for the degree, except for those students whose previous public affairs experience makes them eligible for the Mid-Career Option. Those admitted to the Master of Public Affairs Program may enroll either full-time or part-time. The full-time student customarily takes 12 hours of credit per semester. Students may petition the Director of the Program to waive requirements on the basis of previous course work which substantially duplicates the requirements of the program.

The Master of Public Affairs Program contains two main components: the MPA core curriculum of 21 credit hours and, except for the environmental policy and urban management concentrations, a field of concentration of 18 credit hours. The remaining 9 credit hours are electives which can be used either to add breadth to a student's program or to deepen a field of concentration, or to enhance skills in using foreign languages, quantitative tools, or administrative techniques.

**Transfer of Credit** Up to 9 credit hours of appropriate graduate course work can be transferred from schools other than Indiana University and applied toward the Master of Public Affairs degree when approved by the program director. Credit transfers reduce the hours of Indiana University credits which must be earned. Requirement waivers, on the other hand, do not reduce credit hours to be earned but do increase the elective choices available in a student's program. No work may be transferred from another institution unless the grade is a B or better.

**Course Waivers** Students requesting course waivers should contact the appropriate program director for requirements and guidelines.

**Withdrawals and Deadlines** Possibilities related to student withdrawal from a specific course are divided into three separate periods. The first period of the semester allows for "automatic withdrawal," which means that a grade of W is given automatically on the date of withdrawal to the student who submits a proper request. During the second period of the semester, withdrawal from a course requires permission of the instructor and signature of the appropriate SPEA administrator (dean or director). To qualify for the grade of W at this time, a student must be passing the course on the date of withdrawal. Failure to complete a course with an authorized withdrawal will result in a grade of F. In the last period of the semester, a student may not withdraw, except by special written permission by the appropriate SPEA administrator.

**Deadlines** for each of these periods of a semester vary somewhat on various campuses and the student should take care to check with the local SPEA administrator to verify deadlines. Local deadlines are strictly enforced.

**Incomplete** All incomplete (I) grades must be completed within the time specified by the instructor of the course or within a maximum of one year or they will automatically be changed to F.

**Transfer Policy** Students registered in the School of Public and Environmental Affairs at any campus of Indiana University may transfer to SPEA on another campus, provided they are in good standing. SPEA students who are on probation or have been dismissed must process a special transfer request through the campus of their last

enrollment and the request will be approved or denied by the Admissions Committee on the desired campus. Transfers should be requested by means of an inter-campus transfer form, available from the SPEA Recorder on each campus.

**Residency Requirements** The campus at which a student completes the plurality of the required course work will certify and award the degree provided the campus is authorized to grant the degree.

The policies of the Graduate School relating to work done at Indiana University campuses other than Bloomington apply to students working for the Ph.D. degree in Political Science and Public Affairs, and the Ph.D. in Regional Analysis and Planning. Students must obtain the approval of their proposed program of courses to be taken at another campus from the Director of Public Affairs Graduate Programs.

**Petitioning Procedure** A student may find it necessary to petition the Public Affairs Committee or the Environmental Programs Committee (for MSES students) relative to such matters as dismissal, requirements, transfers, class load, etc. Such requests must be presented in writing to the appropriate graduate committee.

**Graduation Requirements** It is the responsibility of students to be certain that graduation or other academic requirements are met. The MPA Office will keep a record of the student's progress and will aid in program planning.

## Fee Courtesy and Veterans Benefits

**Fee Courtesy** Fees for a full-time (100% F.T.E.) appointed employee of Indiana University enrolled in 1 to 6 credit hours per semester or summer session are assessed at one half the resident credit hour rate at the campus where the employee enrolls. Fees for credit hours beyond 6 in a semester or summer session are at the full resident rate.

The spouse of a full-time (100% F.T.E.) appointed employee of Indiana University is entitled to a fee credit of one half the resident undergraduate fee rate for each credit hour up to a maximum of 3 credit hours per semester or summer session. This fee credit will be deducted from the full fees of the student assessed at the appropriate resident or non-resident rate.



**Veteran benefits** Students who are eligible for veteran benefits may enroll according to the following scales:

Graduate Benefits	Fall & Spring Semesters	Summer
full	9 or more	4
3/4	7-8	3
1/2	5-6	2
tuition only	fewer than 5	1

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent to notify the Veterans Affairs Office of any schedule change which may increase or decrease the number of benefits allowed.

Veterans with service-connected disabilities may qualify for the V.A. Vocational Rehabilitation Program. They should contact their regional V.A. office for eligibility information.

## Policies of the University

**Nondiscrimination policy** Indiana University provides its services without regard to sex, age, race, religion, ethnic origin, veteran status, or handicap. An Affirmative Action Office on each campus monitors the University's policies and assists individuals who have questions or problems related to discrimination.

**Confidentiality of Student Records** In accordance with federal statutes and regulations, student records are confidential and available for disclosure to persons other than the student only under stated conditions.

**Student Rights and Responsibilities** Rights and responsibilities of students are included in the Student Handbook and provide for due process hearings in the event of disciplinary action.

**Degree Requirements** Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate. Information about a specific school or division can be found in the front section of the bulletin for that school.

IUPUI Summer II	Bloomington Summer II
4	5
3	4
3	3
1	1-2

## Fees

Credit hour fees listed here were approved at the June 1981 meeting of the Trustees of Indiana University. Credit Hour and special fees are subject to change by action of the Trustees.

BLOOMINGTON CAMPUS	Indiana resident	Nonresident
Undergraduate <sup>1</sup>	\$38.50/credit hour	\$104/credit hour
Graduate <sup>1</sup>	\$50/credit hour	\$131.50/credit hour
Professional:		
School of Law	\$50/credit hour	\$131.50/credit hour
School of Optometry	\$50/credit hour	\$131.50/credit hour
Medical (combined degree)	\$50/credit hour	\$131.50/credit hour
Medical (flat fee)	\$1250/semester	\$3000/semester
Thesis enrollment	\$50/semester	\$131.50/semester
Auditing (no credit)		\$10 per hour
<b>Special fees (in addition to basic fees)</b>		
Application for admission		
United States		\$20
Foreign		\$30
Student Activity Fee <sup>2</sup>		\$4 or \$8.25 per semester \$2 or \$4 per summer session
Applied music (majors) <sup>3</sup>		\$70 per semester
Applied music (nonmajors) <sup>3</sup>		\$70 per course
Education early experience <sup>4</sup>		\$17 per course
Education placement service		\$6
Business placement service		\$20
Education practicum <sup>5</sup>		\$34 per course
Education student teaching <sup>6</sup>		\$60 per course
Late enrollment or re-enrollment <sup>7</sup>		\$30 to \$60
Late program change		\$15
Special exam		\$5 to \$15
Laboratory <sup>8</sup>		\$12 per course
Recital fee (Music) <sup>9</sup>		\$15 to \$45
Health Service fee (optional) <sup>10</sup>		\$19 or \$38 per semester
HPER courses: Billiards, bowling, golf, and horsemanship		(Payment made to Billiard Parlor, Bowling Alley, Golf Course, or Academy for use of facilities)
Microscope fee (Medical Science courses only)		\$30 per semester
Deposits (to cover loss or damage):		
Band		\$10
Singing Hoosiers		\$10
Chemistry (for C343, C344, S343, and S344 courses only)		\$25
Lockers (Ballantine, Law, Music, and Woodburn buildings)		\$5 deposit, \$1 to \$1.50 rent deducted per semester
<b>Rentals:</b>		
Locker HPER building		\$6 per semester \$5 for combined summer sessions
Locker, Business School		\$4 per semester
Music instrument (for nonmusic majors)		\$30 per semester
Practice room (limit to 1 hour per day)		\$15 per semester (above practice room rental not charged if applied music fee is paid)



## Independent Study (Correspondence)

Undergraduate courses (residents and nonresidents)	\$32.50 per credit hour
High school level courses	\$29 per half unit course

Special Credit and Credit by Examination: Regular credit hour fees apply, except the fee is waived for University Division freshmen during the first two regular semesters following their matriculation at Indiana University, and is reduced to \$10 per credit hour for undergraduate transfer students during the first regular semester following their matriculation at Indiana University.

Transcripts	\$3
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## INDIANAPOLIS CAMPUS

Undergraduate	\$34.50/credit hour	\$85/credit hour
Graduate and professional	\$50/credit hour	\$131.50/credit hour
Medical (flat fee)	\$1250/semester	\$3000/semester
Dentistry (flat fee)	\$900/semester	\$2250/semester
Thesis enrollment	\$50/semester	\$131.50/semester
Auditing (no credit)	\$10/credit hour	

## Special fees (in addition to basic fees)

Application for admission	
United States	\$20
Foreign	\$30
Laboratory	\$5/contact hour
Nursing clinical	\$5/credit hour
Late program change	\$15
Activity	\$2.50/semester
Late enrollment or re-enrollment <sup>11</sup>	
First week-third week of classes	\$15
Deferred fee service charge	\$5

## Fee Refund Schedule

Fall and Spring Semesters	Refund for Withdrawal
First week or through Drop/Add	100%
During 2nd week of classes	75%
During 3rd week of classes	50%
During 4th week of classes	25%
During 5th week of classes and thereafter	Nothing
Summer Sessions - 6 weeks (Pro-rata adjustment for shorter or longer sessions to be determined by the Treasurer)	
First week or through Drop/Add	100%
During 2nd week of classes	50%
During 3rd week of classes and thereafter	Nothing

## PROCEDURE

Students must apply to the Office of the Registrar and the Office of the Bursar when they withdraw from classes.

<sup>1</sup> Includes Continuing Studies credit courses.

<sup>2</sup> Students enrolled in 4 or more credit hours during the semester will be assessed a mandatory fee of \$8.25. Students enrolled in 3 or fewer credit hours during the semester will be assessed a mandatory fee of \$4. Students enrolled in 4 or more credit hours per summer session will be assessed a mandatory fee of \$4. Students enrolled in 3 or fewer credit hours per summer session will be assessed a mandatory fee of \$2.

<sup>3</sup> Persons desiring applied music who are not regularly working toward a degree will be charged \$250 per applied music course.

<sup>4</sup> Students enrolled in any of the following Education courses will be assessed a \$17 fee per course:

## Elementary Licenses

Early Childhood: P249, E339, E335, E336, E337  
Kindergarten/Primary: P249, E339, E325, E341, N343  
Elementary: P251, E339, E325, E341, E343

Junior High/Middle School: P252, M312, M461

Secondary: P253, M313 or M130, M462

All Grades: P254, M313, M462, or M130 or M336

Special Education: E339, K380, E343

## Special Endorsements:

Kindergarten: E336  
Junior/Middle: M461  
Bilingual/bicultural: L441  
Ethnic/cultural: T410  
Coaching: HPER P450  
Special Education: K380  
Family Life: HMEC, H453  
Driver & Traffic Safety Ed: HPER S456  
Reading: X400

<sup>5</sup> Students enrolled in EDUC M470 Practicum and/or EDUA M550 Practicum (variable title courses) will be assessed a \$34 fee per course per semester. The practicum fee of \$34 is also assessed for the following courses: G547, G647, K495X, P310, P311, P410, P411, P518, P519, P591, P592, P595, P596, P691, P692, P694, P699, R473, X425.

<sup>6</sup> Students enrolled in Education courses M423, M424, M425, M451, M480, M482, M486, and/or M363 will be assessed \$60 per course per semester.

<sup>7</sup> At Bloomington, a \$30 late fee will be in effect upon conclusion of fieldhouse registration through the end of the third week of classes. Late registrations after the third week of classes will be assessed a late fee according to the following graduated schedule:

Week in which the registration is processed: Week 4—\$40 Week 5—\$50 Week 6—\$60.

<sup>8</sup> Students, except at IUPUI, who are enrolled in the following laboratory courses will be assessed a laboratory fee of \$12 per course per semester:

Biology: L100, L105, Q201, B205, M315, Z316, B369, & Z450  
Chemistry: C121, C122, C125, C126; C343, & C344  
Physics: T100, P101, P201, P202, P221, & P222

<sup>9</sup> Recital fee in music for one-page program is \$15, for two-page program \$25. The fee for recording the recital is an additional \$20.

<sup>10</sup> Students enrolled in 7 or more credit hours per semester will be assessed \$19. Students enrolled in 6 or less credit hours per semester will be assessed \$38.

<sup>11</sup> At Indianapolis, a \$15 late fee will be in effect upon conclusion of registration through the end of the third week of classes. Late registration after the third week of classes will be assessed according to the following graduated schedule:

Week in which the registration is processed: Week 4—\$25 Week 5—\$35 Week 6—\$45.

No registrations will be accepted after the sixth week of classes without the approval of the Dean of Faculties.



## Financial Assistance

### Graduate Assistantships

The School of Public and Environmental Affairs awards a limited number of School graduate assistantships that generally consist of a cash stipend and either half or full remission of all fees, up to 12 credit hours per semester, with the exception of \$6.60\* per credit hour assessment for University-allocated fees each semester. Hours in excess of the first 12 hours must be paid for at the regular tuition rate by the student.

Graduate Assistantships carry a service obligation to the School of Public and Environmental Affairs, such as working with faculty members in teaching, on research projects, administrative duties, counseling, and other official activities.

### School of Public and Environmental Affairs Fellowships

The School of Public and Environmental Affairs awards a limited number of School fellowships to academically deserving students. They consist of a cash stipend and entitlement to pay fees up to 12 credit hours per semester at the in-state rate. Any hours in addition to the first 12 per semester are charged according to the student's residency status as determined by the Registrar's Office. School fellowships do not carry a service obligation. All necessary forms will be completed during the counseling appointment.

### Other types of Aid

Other types of appointments available for SPEA financial aid include: associate instructorships, Public Service Fellowships, and research assistantships. Special area fellowships are also available.

### Residence Hall Assistantships

Each year a small number of Residence Hall assistantships are awarded to graduate students on the Bloomington campus who live in a unit with approximately 50 undergraduate students and serve as counselors to individuals and groups of students. Applicants must demonstrate intellectual capacity, qualities of leadership, maturity, communication skills, and a sincere interest in helping students. Resident assistantships provide a single furnished

room, board, and a stipend for the academic year. Applications should be submitted by March 1, and are available from: Department of Residence Life, Room 210, 801 North Jordan, Bloomington, Indiana 47405.

### The Educational Opportunity Fellowship

Program is based on the premise that some promising students do not fare well in conventional competition for graduate fellowships. Usually these are students who have attended marginally adequate schools, have been required to work excessively while attending school, or are products of backgrounds which make acquiring an education an unreasonably difficult enterprise. For application, write University Fellowship Office, Bryan Hall, Room 3, Indiana University, Bloomington, IN 47405.

### Graduate Work-Study Program and Educational Loans

Indiana University has a graduate work-study program and several loan programs administered through the Office of Scholarships and Financial Aids. The graduate work-study program and loans are offered on a University-wide basis rather than through the School of Public and Environmental Affairs. Students who need financial assistance not provided by the SPEA awards are eligible to apply for either the graduate work-study program or short-or long-term loans which carry a low rate of interest.

The graduate work-study program and the University loan program are administered by the Office of Scholarships and Financial Aids, which also makes disbursements under the National Defense Student Loan Program. Inquiries concerning these sources should be made directly to the Office of Scholarships and Financial Aids on the campus at which the student intends to enroll. In Bloomington, write the Office of Scholarships and Financial Aids, Indiana University, Bloomington, IN 47405; in Indianapolis, Student Financial Aids, Berkey Bldg., Indiana University-Purdue University at Indianapolis, Indianapolis, IN 46223.

## Employment at Indiana University

The Trustees of Indiana University require that spouses of students be given priority for full-time employment opportunities on the campus. For this reason, a large number of student spouses are employed in the many academic and administrative offices on campus. Persons interested in full-time employment should make inquiry to: Division of Personnel, 201 North Indiana, Indiana University, Bloomington, Indiana 47405. There are many employment opportunities available for students and spouses in Indianapolis in both public and private sector. The office of Financial Aids on each campus lists openings for part-time jobs in various offices and organizations of the University.

## Special Fellowship Programs

### Public Service Fellowships

Under a program sponsored in part by funds from the Intergovernmental Personnel Act, a number of graduate fellowships have been offered to qualified state and local employees accepted into SPEA graduate programs. The fellowships provide partial support for full-time students in government and public affairs, and are intended to help local and state jurisdictions upgrade the quality of their personnel. Students interested in the Public Service Fellowship program should contact Director, Public Service Fellowship Program, School of Public and Environmental Affairs, Indiana University-Purdue University at Indianapolis, IN 46223; (317) 264-4656.

### Fellowship Program in Education for Public Service

With funding from the former Department of Health, Education and Welfare under Title IX, SPEA established two-year fellowships for persons seeking the Master of Public Affairs degree in preparation for entry into public service. Students interested in the Education for Public Service Fellowship Program should contact Director, Public Affairs Graduate Programs, School of Public and Environmental Affairs, 400 E. Seventh St., Room 327, Bloomington, Indiana 47405, or call (812) 337-3107.

### Community Assistance Fellowships

Through a grant from the Lilly Endowment, Inc., a small number of outstanding MPA students will be chosen as Community Assistance Fellows. Fellows participate in a program which unites classroom education with specific service to Indiana communities. Fellows receive fee remissions and a cash stipend; selection is competitive and considers undergraduate and graduate scholastic records, and experience relevant to community assistance efforts. Contact the Director, Public Affairs Graduate Program, for application and selection materials.

\* Subject to change by action of the Trustees of Indiana University.



## Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These Rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for University fee purposes. Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These Rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by these Rules, if he or she attended the University before that date and while he or she remains continuously enrolled in the University.

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.

(a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c), such person must be a resident for twelve (12) months in order to qualify as a resident student for fee purposes.

(b) Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of higher education, shall not be counted in determining the twelve (12) month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least twelve (12) consecutive months immediately

preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.

(a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.

(b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.

(c) Such person may be classified as a resident student without meeting the twelve (12) month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."

(d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.

(e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the University until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.

3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.

4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the twelve (12) months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of twelve (12) months from the Residence Qualifying Date, i.e., the date upon which the student commenced the twelve (12) month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.

- The residence of a student's parents or guardians.
- The situs of the source of the student's income.
- To whom a student pays his or her taxes, including property taxes.
- The state in which a student's automobile is registered.
- The state issuing the student's driver's license.
- Where the student is registered to vote.
- The marriage of the student to a resident of Indiana.
- Ownership of property in Indiana and outside of Indiana.
- The residence claimed by the student on loan applications, federal income tax returns, and other documents.
- The place of the student's summer employment, attendance at summer school, or vacation.
- The student's future plans including committed place of future employment or future studies.
- Admission to a licensed profession in Indiana.

(m) Membership in civic, community, and other organizations in Indiana or elsewhere.

(n) All present and intended future connections or contacts outside of Indiana.

(o) The facts and documents pertaining to the person's past and existing status as a student.

(p) Parents' tax returns and other information, particularly when emancipation is claimed.

5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.

6. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.

7. A Standing Committee on Residence shall be appointed by the President of the University and shall include two (2) students from among such as may be nominated by the student body presidents of one or more of the campuses of the University. If fewer than four are nominated, the President may appoint from among students not nominated.

8. A student who is not satisfied by the determination of the Registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the Registrar's determination which Committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel, at such hearing. The Committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the Registrar shall be final and binding.

9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these Rules. The decision of the Committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.



10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the University, as well as to such other punishment which may be provided for by law.
11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see Rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.
13. If any provision of these Rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these Rules which can be given effect without the invalid provision or application and to this end the provisions of these Rules are severable.

## Student Services and Organizations

### The School of Public and Environmental Affairs Library

The SPEA Library is an official branch of the Indiana University Library and is designed to serve the research needs of faculty and students of the School of Public and Environmental Affairs. Founded in August, 1972, the library has about 10,000 books and receives regularly nearly 300 periodicals. Along with books and periodicals, the library has an extensive collection of documents, pamphlets, papers, conference proceedings, etc., vital to research and study in the public affairs area.

The library's books are classified according to the Library of Congress system. Journals are placed alphabetically on open shelves. The vertical file material is classified by a special scheme and is accessible through a computer print-out index.

The library is located at the Poplars Research and Conference Center on the Bloomington campus, and its resources are available to all SPEA programs throughout the state.

### Student Health Service (Bloomington Campus)

Available to all regularly enrolled students on the Bloomington campus, the Health Service provides evaluation of the physical examinations required of new students, outpatient medical care, a psychiatric clinic for evaluation and short-term therapy, an environmental health and preventive medicine program, and assistance in the administration of the student group hospital insurance plan. For students enrolled in seven or more credit hours, a prepaid fee of \$19<sup>1</sup> per semester entitles the student to most of these services. Those enrolled in less than seven hours may prepay \$38<sup>1</sup> per semester. Those who do not prepay at the beginning of the semester (before Drop and Add Day) may pay for services as provided according to a schedule of charges available at registration and throughout the year at the Student Health Center. The Health Center building has an 18-bed infirmary. Except for emergencies, students are seen only during clinic hours (8:00 until 11:30 a.m. Monday through Saturday and 1:00 until 4:30 p.m. Monday through Friday) by appointment and presentation of a current I.D. card.

<sup>1</sup> Fees subject to change.

### Student Health Service (Indianapolis Campus)

The Student Health Service on the Indianapolis campus is at Long Hospital, located west of Clinical Drive facing Michigan Street. Providing free medical service for full-time students and service for part-time students for a fee, the service provides outpatient medical treatment other than routine optical service, dental work or oral surgery. Students who are injured on campus must first report to the clinic for examination. If outside treatment is deemed necessary, the University assumes any charges. The Student Health Service treats students by appointment from 8:30 a.m. to 8:00 p.m. Monday through Thursday, and until 5:00 p.m. on Friday. For medical care after office hours, students should visit the Wishard Memorial Hospital Emergency Room. Student Health Insurance is available to students who are also eligible for the student health service. The insurance covers students at home, at school, or while travelling, 24 hours per day, year-round. Insurance applications may be obtained from the Student Health Service, Long Hospital.

### Housing (Bloomington Campus)

The Halls of Residence system at Indiana University, recognized as outstanding among universities throughout the country, includes housing units for graduate, married, and single students. Rates range from \$1,819 to \$2,135 an academic year for single housing and from \$134 to \$299 a month for family housing, apartments or trailers. When requesting housing in the University Halls of Residence, the student must enclose a \$5 (nonrefundable) housing application fee. The Halls of Residence Office is located at 801 North Jordan, Indiana University, Bloomington, Indiana 47405.

### Housing (Indianapolis Campus)

Wharthen Apartments at 440 W. Winona Street comprise some 99 units, including both efficiency and one-bedroom apartments for singles and couples. Efficiency apartments range from \$174-\$196 per month; one bedroom units from \$196-\$230. Additional units, fully furnished and with washer and dryer, will be available to graduate students. These one and two bedroom apartments will rent for \$300-\$350 per month. Over 200 single students reside in the Union Building's furnished efficiencies, single and double rooms. Single Student Housing at the Union offers the convenience of in-building laundromats; a health club, complete with

men's and women's saunas; exercise room; and indoor pool. The Indianapolis area also offers a wide variety of affordable apartments off-campus in new luxury complexes and older housing near the campus. Campus housing is managed by the IUPUI Department of Housing, located on the 3rd floor of the Single Student Dorm. Telephone numbers are: Married Housing, (317) 264-7452, Single Student Housing, (317) 264-7200. Single students are required to file a non-refundable application fee, and married students are required to submit a Loss and Breakage Security Deposit. The IUPUI Housing Department also maintains a list of apartments off-campus.

### Pi Alpha Alpha

For the past three years Pi Alpha Alpha, the national honorary society for schools of public affairs and administration, has co-sponsored with the School of Public and Environmental Affairs a colloquium series on a variety of professional topics. The purpose of this series has been to achieve greater communication, interaction, and understanding within the School by inviting SPEA faculty, professional staff, and students to present papers or discussion of their work in a public forum. Recently the series has been expanded to the larger Indiana University community with the goal of enhancing communication beyond SPEA.

Graduate students qualify for membership in Pi Alpha Alpha by being in the top 20% of their graduating MPA/MSES class with a minimum 3.5 grade point average for 50% of the required course work. Members are active on the Bloomington and Indianapolis campuses.

### ISPA/ASPA

MPA students may also apply for membership in the Indiana Society for Public Administration (ISPA), a chapter of the American Society for Public Administration (ASPA), the leading professional society for those working in the broad field of public administration. ISPA/ASPA expounds the idea that public administration in any jurisdiction anywhere can be analyzed, evaluated, and improved and that a body of professional knowledge can be developed for both education/training and practitioner guidance. The goals and principles of ISPA/ASPA are supported by a broad-based membership which includes individuals from all categories of government—local, state, federal, and international—as well as



academicians, researchers, students, and interested members of the business community.

### Graduate Student Association

The Graduate Student Association (GSA) provides a channel of communication between SPEA graduate students and the School of Public and Environmental Affairs. It serves as a forum for airing student opinions, questions, and recommendations pertinent to SPEA operations. In addition, GSA serves as a social and recreational outlet for SPEA graduate students, faculty, and staff.

The organization is divided into 5 committees: curriculum, communication, social, finance and internship/placement. Each committee is headed by a chairperson and all graduate students enrolled in SPEA are urged to join and actively participate in the GSA and one of its committees.

### Minority Students Coalition

An informal, voluntary coalition of minority graduate students presently enrolled in the graduate programs has been formed to provide assistance to incoming minority graduate students with any questions they may have concerning the campus or the community. Incoming graduate students will be provided with the names, addresses, and phone numbers of coalition members and are urged to make use of the service.

## The School of Public and Environmental Affairs, Bloomington and Indianapolis Faculty 1981-83

**Robert Agranoff**, Ph.D. Political Science, (University of Pittsburgh, 1967)  
Professor of Public and Environmental Affairs  
Public Management  
Intergovernmental Management  
Health Systems Administration

**David Allen**, J.D. (Indiana University, 1967),  
Adjunct Professor of Public and Environmental Affairs  
Law and Public Affairs

**Keith G. Baker**, Ph.D. Political Science (University of California, 1974), Director of Public Affairs Graduate Programs at Indianapolis; Associate Professor of Public and Environmental Affairs  
Public Administration  
Public Policy Analysis  
Program Evaluation

**William R. Black**, Ph.D. Geography (University of Iowa, 1969), Professor of Public and Environmental Affairs; Associate Professor of Geography (College of Arts and Sciences)

Transportation Planning & Analysis  
Transportation Policy Analysis

**Charles F. Bonser**, D.B.A. (Indiana University, 1965), Dean; Professor of Public and Environmental Affairs; Professor of Business Administration (School of Business, Graduate School)

Business Economics and Forecasting  
Public Finance and Budgeting

**Lynton Caldwell**, Ph.D. Political Philosophy (University of Chicago, 1943), Director, Advanced Studies in Science, Technology, and Public Policy; Professor of Public and Environmental Affairs; Arthur E. Bentley Professor of Political Science (College of Arts and Sciences, Graduate School)

Biopolitics  
Environmental Policy, Public Affairs, and the Environment

Public Law and Policy: Science, Technology & Public Policy Science and Social Evolution

**Patricia E. Cunnea**, Ph.D. Political Science (University of Chicago, 1963), Professor of Public and Environmental Affairs (IUPUI)  
Public Law and Policy  
Environmental Policy

**Thomas A. DeCoster**, Ph.D. Economics (University of Notre Dame, 1968), Director, Executive Education; Professor of Public and Environmental Affairs  
Public Finance; Economics  
Public Management

**Wayne F. Echelberger**, Ph.D. Environmental Engineering (University of Michigan, 1964), Professor of Public and Environmental Affairs; Professor of Civil Engineering (School of Engineering and Technology) (IUPUI) Graduate School, Associate Director, Environmental Systems Application Center  
Environmental Engineering  
Environmental Policy  
Public Works Administration

**Louis C. Gawthrop**, Ph.D. Political Science (The Johns Hopkins University, 1962), Professor of Public and Environmental Affairs (Graduate School)

Organizational Theory

**Michael E. Gleeson**, Ph.D. (Syracuse University, 1973), Associate Professor of Public and Environmental Affairs (IUPUI)  
Public and Urban Administration  
Housing

**Larry E. Grabb**, Ed.D. (Indiana University, 1977), Director, Public Careers Internship and Placement Center, and Adjunct Assistant Professor

Career Planning

**Stephen Grimes**, Ph.D. (Indiana University, 1975), Adjunct Professor of Public and Environmental Affairs (IUPUI)

Public Finance  
Budgeting

**John M. Hayes**, Ph.D. (M.I.T., 1966), Professor of Public and Environmental Affairs, Chemistry and Geochemistry (College of Arts and Sciences, Graduate School)

Chemistry

**Stephen L. Hayford**, Ph.D. Labor Relations (University of Iowa, 1975), Associate Professor of Public and Environmental Affairs  
Collective Bargaining and Labor Law  
Personnel Administration and EEO Law

**Kingsley E. Haynes**, Ph.D. Geography & Environmental Engineering (The Johns Hopkins University, 1971), Director, Center for Urban and Regional Analysis; Professor of Public and Environmental Affairs (Graduate School)

Urban Planning Methods  
Environmental and Social Systems

**Robert E. Henderson**, Ph.D. (University of Missouri, 1953), Executive Director, Indianapolis Center for Advanced Research; Professor of Engineering (School of Engineering & Technology); Adjunct Professor of Public and Environmental Affairs (IUPUI)

Engineering  
Science and Technology

**Gary M. Hieftje**, Ph.D. (University of Illinois, 1969), Professor of Public and Environmental Affairs, Chemistry (College of Arts and Sciences, Graduate School)  
Chemistry

**Ronald A. Hites**, Ph.D. Analytic Chemistry (M.I.T., 1968), Professor of Public and Environmental Affairs  
Environmental Chemistry

**Jack W. Hopkins**, Ph.D. Political Science/Inter-American Studies (University of Florida, 1966), Professor of Public and Environmental Affairs (Graduate School)

Public Administration  
International Administration/Development

**John M. Irvin**, J.D. (Indiana University, 1970), Director, Student Legal Services and Adjunct Assistant Professor of Public and Environmental Affairs

Law  
Public Affairs

**Carlyn Johnson**, J.D. (Indiana University, 1963), Associate Professor of Public and Environmental Affairs (IUPUI)

Law  
Public Finance

**Roy Jumper**, Ph.D. Political Science (Duke University, 1955), Associate Dean; Professor of Public and Environmental Affairs (Graduate School)

Personnel Management

**Herbert J. Kiesling**, Ph.D. Economics (Harvard University, 1966), Professor of Economics (College of Arts and Sciences, Graduate School); Professor of Public and Environmental Affairs

Productivity  
Economics



**John H. Kragie, M.S.** Counseling and Guidance, Forensic Studies (Indiana University, 1970), Assistant Dean for Administration and Director, Undergraduate Programs at Indianapolis; Associate Professor of Public and Environmental Affairs  
Criminal Justice

**Robert G. Lehnen, Ph.D.** Political Science (University of Iowa, 1968), Professor of Public and Environmental Affairs (IUPUI)

Quantitative Methods  
Policy and Administration

**Edgar A. Likins, M.P.A.** (Indiana University, 1974), Program Coordinator, Center for Public Safety Training; Adjunct Assistant Professor of Public and Environmental Affairs  
Criminal Justice

**Orie L. Loucks, Ph.D.**, Botany (University of Wisconsin/Madison, 1960), Science Director, The Institute of Ecology, Indianapolis, Indiana

Inter-disciplinary Watershed Studies  
Regional Air Pollution  
Acid Rain Impacts on Ecosystems

**Michael G. Maxfield, Ph.D.** Political Science (Northwestern University, 1979), Assistant Professor of Public and Environmental Affairs

Law and Public Policy  
Criminal Justice  
Urban Policy

**Jerry McCaffery, Ph.D.** Political Science (University of Wisconsin, 1972), Associate Professor of Public and Environmental Affairs (Graduate School)

Public Budgeting and Finance  
State and Local Government

**Eugene B. McGregor, Jr., Ph.D.** Political Science (Syracuse University, 1969), Professor of Public and Environmental Affairs (Graduate School)

Public Administration  
Human Resources Management

**David Z. McSwane, H.S.O.**, Health and Safety Education, (Indiana University, 1980), Assistant Professor School of Public and Environmental Affairs, (IUPUI)

Food Science and Sanitation  
Public Health Law

Environmental Health Administration  
Community Health Education

**Warren G. Meinschein, Ph.D.** Chemistry (University of Texas, Austin, 1951), Professor of Public and Environmental Affairs and Professor of Geology (College of Arts and Sciences, Graduate School)

Geochemistry

**Robert Mendelsohn, Ph.D.** Political Science (Michigan State University, 1970), Associate Professor of Public and Environmental Affairs (IUPUI)

Politics and Public Administration/  
Organizational Theory  
Criminal Justice

**John L. Mikesell, Ph.D.** Economics and Finance (University of Illinois, 1969), Professor of Public and Environmental Affairs (Graduate School)

Public Finance  
Microeconomics

**Theodore K. Miller, Ph.D.** Geography (University of Iowa, 1970), Associate Professor of Public and Environmental Affairs and Assistant Director, Center for Urban and Regional Analysis, Associate Professor of Geography (College of Arts and Sciences, Graduate School)

Community Development and Planning  
Quantitative Analysis

**Charles Moffatt, Ph.D.** Mechanical Engineering (Tulane, 1968), Associate Professor of Public and Environmental Affairs and Director of Institute for Research in Public Safety.

Bio-mechanics  
Mechanical Engineering

**Phillip E. Morgan, Ph.D.** Political Science/Economics (Syracuse University, 1970), Associate Professor of Public and Environmental Affairs

Public Administration and Organizations  
Development Policy and Development Administration

**Craig E. Nelson, Ph.D.** (University of Texas, 1966), Associate Professor of Public and Environmental Affairs; Associate Professor of Zoology (College of Arts and Sciences)

Biology

**Karl O'Lessker, Ph.D.** Government (Indiana University, 1959), Director, Undergraduate Programs, Professor of Public and Environmental Affairs (Graduate School)

Public Policy Formation  
Policy Analysis

**Patrick O'Meara, Ph.D.** Political Science (Indiana University, 1970), Associate Professor of Public and Environmental Affairs; Director of African Studies Program; Associate Professor of Political Science (College of Arts and Sciences, Graduate School)

Political Development

**Lawrence J. Onesti, Ph.D.** (University of Wisconsin, 1973), Associate Professor of Public and Environmental Affairs and Geography (College of Arts and Sciences)

Geography  
**Clinton V. Oster, Jr., Ph.D.** Economics (Harvard University, 1977), Assistant Professor of Public and Environmental Affairs  
Urban Economics  
Public Finance

**John R. Ottensmann, Ph.D.** City and Regional Planning (University of North Carolina, 1974), Assistant Professor of Public and Environmental Affairs (IUPUI)

Urban and Regional Planning

**David F. Parkhurst, Ph.D.** Botany (Ecology) (University of Wisconsin, 1970), Associate Professor Public and Environmental Affairs; Associate Professor of Biology (College of Arts and Sciences, Graduate School)

Mathematics in Environmental Science  
Environmental Science and Policy

**Jeanne Patterson, D.B.A.** Finance (Indiana University, 1967), Associate Professor of Public and Environmental Affairs (Graduate School)

Financial Management  
Government Accounting

**James R. Peva, J.D.** (Indiana University, 1961), Associate Professor of Public and Environmental Affairs (IUPUI)

Law

Criminal Justice

**James C. Randolph, Ph.D.** Biology (Carleton University, 1972), Director, Environmental Programs; Associate Director, Environmental Systems Applications Center; Associate Professor of Public and Environmental Affairs and Biology (College of Arts and Sciences, Graduate School)

Applied Ecology  
Physiological Ecology

**Barry M. Rubin, Ph.D.** Urban and Regional Planning (University of Wisconsin-Madison, 1977), Assistant Professor of Public and Environmental Affairs

Planning  
Analytical Methods  
Urban & Regional Science

**Richard S. Rubin, Ph.D.** Educational Administration/Labor Relations (Cornell University, 1973), Director, Midwest Center for Public Sector Labor Relations, and Professor of Public and Environmental Affairs (Graduate School)

Labor Relations in the Public Sector

**John W. Ryan, Ph.D.** (Indiana University, 1959), President of the University; Professor of Public and Environmental Affairs and Political Science

**Nancy E. Schafer, Ph.D.** Sociology (University of Michigan, 1977), Assistant Professor of Public and Environmental Affairs (IUPUI)

Corrections  
Criminal Justice

**William J. Siffin, Ph.D.** Political Economics and Government (Harvard University, 1957), Director, International Development Institute; Professor of Public and Environmental Affairs; Professor of Political Science (College of Arts and Sciences)

Comparative & Development Administration

**Frank J. Vilaro, Dr. P.H.** Health Administration (University of North Carolina, 1971), Scientist, Institute for Research in Public Safety, Assistant Professor of Public and Environmental Affairs

Health Administration/Policy  
Public Safety Policy

**Lewis E. Wagner, Ph.D.** Economics (University of Iowa, 1956), Professor of Public and Environmental Affairs (IUPUI)

Economics  
Public Finance  
Quantitative Analysis

**Eugene Waltz, M.S.** (Purdue University, 1972), Adjunct Assistant Professor of Manufacturing Technology (School of Engineering and Technology); Urban Systems Scientists, Indianapolis Center for Advanced Research; Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)

Urban Systems Science

**William G. Wilber, Ph.D.** Governmental Sciences (Rutgers University, 1978), Adjunct Assistant Professor of Public & Environmental Affairs, (IUPUI)

Water-quality Modeling  
Applied Hydrology

**Daniel E. Willard, Ph.D.** Zoology (University of California at Davis, 1966), Associate Professor of Public and Environmental Affairs (Graduate School), Associate Director of Environmental Systems Applications Center  
Analysis of Environmental Impact  
Coal, Wetlands, Energy

**Charles R. Wise, Ph.D.** Political Science (Indiana University, 1972), Director, Public Affairs Graduate Programs, and Associate Professor of Public and Environmental Affairs (Graduate School)

Public Administration  
Program Evaluation



John S. Zogorski, Ph.D. Environmental Science (Rutgers University, 1975), Associate Professor of Public and Environmental Affairs; Director, Environmental Systems Applications Center  
Environmental Engineering  
Water Resource Management  
Terrell W. Zollinger, Dr. P.H. Epidemiology (Loma Linda University, 1979), Assistant Professor of Public and Environmental Affairs  
Environmental Health  
Quantitative Analysis  
Kurt Zorn, Masters in Economics (Syracuse University, 1978), Lecturer  
State and Local Finance  
Local Revenue Forecasting

## The School of Public and Environmental Affairs: A Community of Research and Service

Historically, universities have been communities of scholars who transmit knowledge from one generation to another. The rapidly changing needs of today's world, however, suggest a new dimension for the university's traditional role. For the School of Public and Environmental Affairs, this dimension encompasses public service activities that complement innovative academic programs. The School of Public and Environmental Affairs (SPEA) provides a wide variety of services to an equally varied number of federal, state, and local agencies.

SPEA serves three other defined groups in addition to its graduate and undergraduate students: professionals and paraprofessionals; state, local, and federal agencies; and citizen groups and professional organizations. With much necessary overlap, SPEA's services to these groups can be divided into training, technical assistance, and research activities.

The Environmental Systems Application Center (ESAC) was created to accommodate interdisciplinary environmental research and education projects as a part of the academic program in the School of Public and Environmental Affairs. The program provides resources for the understanding and amelioration of environmental problems, promotion of applied environmental sciences, and provision of applied graduate training in the environmental sciences. The Center conducts research in applied ecology, natural resources, and impact analysis. Additionally, the Center is concerned with the socioeconomic, legal, and institutional aspects of environmental regulation, control, and planning. The core research staff is composed of the SPEA environmental faculty, professional staff, and graduate students which includes a broad array of disciplinary concentrations.

The Institute for Research in Public Safety (IRPS) performs research and provides technical assistance and research-based seminars in the field of public safety. The Institute has a core staff of 20 professional researchers and more than 60 full- or part-time employees; its activities cover the areas of highway traffic safety, criminal justice, and public health and safety, including occupational and consumer product safety for federal, state, and local agencies.

Institute research activities have included a systems analysis of the United States traffic law system and a major national study to identify the causes of traffic accidents. Other projects have developed information on the relationship between speed and accidents, measured the effects of law enforcement on traffic flow behavior, determined the frequency of safety-related defects in new motor vehicles, studied the relationship between dynamic visual acuity and other visual measures to safe driving, and developed supervisory guidelines for management of periodic motor vehicle inspection programs. Currently underway is a major effort to collect nationally representative data on drivers, vehicles, and accidents. In cooperation with other research teams the Institute will design model data collection forms and procedures and quality control and management procedures for operation of the U.S. Department of Transportation's recently initiated National Accident Sampling System (NASS). IRPS researchers have also focused particular attention on the problem of the drinking driver, presenting a series of seminars nationwide for judges, prosecutors, probation officers, and other criminal justice system personnel who deal with problem drinking drivers.

The Midwest Center for Public Sector Labor Relations was established in response to the changing relationship between public employees and their government employers. Headed by a director and staffed with research and training specialists, the Labor Center provides means by which practitioners, government officials, and the public can exchange information and cooperatively solve problems related to public sector labor relations.

The Labor Center achieves this purpose through a variety of information exchange and problem-solving activities. These activities include publishing the *Midwest Monitor*, a topical digest of recent literature and developments in public sector labor

relations; maintaining a special public sector labor relations library collection; responding to specific requests for information unique to a particular problem or jurisdiction; and publishing *Practitioner's Guides*, occasional monographs intended to help labor relations practitioners improve their labor relations skills.

The Center for Public Safety Training, formerly The Center for Criminal Justice Training, established in 1971 and incorporated into SPEA in 1972, has been funded by grant assistance from the United States Law Enforcement Assistance Administration to support participants from Indiana jurisdictions. The Center's programs have had impact in numerous areas of the criminal justice system. Considerable progress has been made, for example, in regularizing training efforts in the field of law enforcement; the Center has contributed to this progress with the cooperative and perceptive participation of key operating officials and agencies throughout the states. Center personnel have also assisted in the development of records systems; the application of community psychology to police problems; and the organization of criminal justice agencies. The Center for Public Safety Training has also established an innovative training program for private security professionals, and is currently developing a citizens crime watch program in Indianapolis.

The Center for Urban and Regional Analysis was established to coordinate research, service, and administration of educational programs. Research activities of the Center encompass a wide range of activities at the state and regional level, with transportation planning a special area of expertise. The Urban Studies Reading Room is a library maintained by the Center which contains more than 500 books in urban studies; 30 planning related serial publications; bibliographic guides, such as Urban Affairs Abstracts and Index of Urban Documents; and more than 500 bibliographies of the Council of Planning Librarians.

The International Program coordinates SPEA's international efforts, both overseas and in the United States, and provides the international and comparative concentration in the SPEA curriculum leading to a Master of Public Affairs degree. On-going programs include cooperation with the Instituto de Estudios Superiores de Administración (IESA) in Caracas, Venezuela. Working with IESA in Venezuela, SPEA has conducted



short courses in public administration, municipal finance, and environmental quality management for Venezuelan public officials.

**The Urban Observatory** The Indianapolis Urban Observatory is one of four Observatories in Indiana. From 1975-1978, the Indiana cities of Indianapolis, South Bend, Fort Wayne, and Gary each initiated their own Urban Observatories under the administrative leadership of SPEA faculty members. The Urban Observatory concept, which was first initiated in 1968 in sixteen cities across the nation, was designed to demonstrate that cities and their local universities could both gain from their cooperative efforts in applied research, service, and training.

The original set of Observatories, serving ten cities with populations of over 250,000, produced over 200 research projects on public policies, emergency medical services, delivery of special services, neighborhood revitalization, land use, environmental management, and energy conservation.

In cooperation with the Greater Indianapolis Progress Committee, the Indianapolis Observatory receives the support of SPEA interns every semester to pursue research projects.

**Local Government Services Program (LGS).** The Local Government Services Program (LGS) is one component of SPEA's system-wide effort to design and deliver useful, timely, and quality services to public jurisdictions. LGS, as its name suggests, has primary responsibility for responding to the training and technical assistance needs of local government units. Some LGS service recipients are general purpose units such as cities or counties, while others are special purpose districts such as public utilities, libraries, school corporations, and housing authorities. LGS is essentially a continuing education and technical assistance service extension arm of SPEA's overall academic and service mission.

LGS is an Indianapolis-based SPEA program but its staff provides training and management-related consulting services to local government units throughout Indiana. To provide service, LGS draws upon and benefits from the resources available at the SPEA divisions located throughout the regional campus network. Because the LGS staff has worked extensively with local elected and appointed officials, the LGS program is viewed by practitioners as an

effective vehicle for increasing the government/university approach to management problem-solving.

**The Executive Education Program** of the School offers opportunities for executives from federal, state, and local governmental agencies as well as executives in private organizations to engage in the continuing examination of problems, issues, approaches, and methods in public and environmental affairs. One component of the Executive Education Program is the State Capitol Program Management Series, which provides state government managers with practical and current information about contemporary management issues. The monthly programs of the Series stress the application of management approaches and concepts to actual and anticipated problems and issues, and suggest strategies to help managers cope with these concerns. Recently, a City-County Public Health Management Series has been initiated.

**Advanced Studies in Science, Technology, and Public Policy** is a graduate education and research program which was initiated at Indiana University in 1965 with assistance from the National Science Foundation. The Program is associated with the School of Public and Environmental Affairs and the Graduate School of Indiana University.

Several publications resulted from this effort: A comprehensive bibliography was prepared to cover the major aspects of public policy for science and technology. In addition, the program developed three study guides for organizing science, technology, and public policy courses in universities: (1) Science and Public Policy, (2) Science and Social Evolution, and (3) Environmental Policy, Law, and Administration. Both the bibliography and the study guides have been requested and favorably received by scholars in the United States and abroad. Each study guide forms the basis of an advanced course at Indiana University.

In addition, the Program implemented a graduate study program at Indiana University for federal executives engaged in the administration of public policy programs for science and technology. Approximately ten mid-career federal administrators come annually to Indiana University for a year of graduate study. This program for government administrators was originally a result of a cooperative arrangement between Indiana University and the U.S. Civil Service Commission.

Assisted by grants from the National Science Foundation and other funding sources, the Program has undertaken several major projects resulting in publication. In addition to the study guides described above, the Program has published a three-volume annotated bibliography on science, technology, and public policy, a bibliography on administrative technology, a collection of case studies on citizen action on environmental issues, in-depth case studies on ethics and values in the applications of science and technology, and has cosponsored workshops on the public understanding of science.

The Program is directed by Lynton K. Caldwell, Professor of Public and Environmental Affairs and Professor of Political Science.



## Useful Campus Offices

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Health Center  
10th and Jordan Sts.  
(812) 337-7688

Registration and Scheduling  
Student Services, Room 110  
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Public Affairs Graduate Programs  
400 E. 7th St.  
Poplars 327  
(812) 337-3107

Environmental Programs  
400 E. 7th St.  
Poplars 438  
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Berkey Building  
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Department of Housing  
1300 W. Michigan  
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Student Health Services  
Coleman Hall, 1st Floor  
1315 W. 10th St.  
(317) 723-8214

Registration and Scheduling  
Cavanaugh Hall, Room 333  
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Public Careers Internship and Placement  
Center  
Business/SPEA Building, Room 3027D  
801 W. Michigan  
(317) 723-3787

Public Affairs Graduate Program  
Business/SPEA Building, Room 3025E  
801 W. Michigan  
(317) 723-2387



## A Closing Note

We hope this brochure answered many of your first questions about the School of Public and Environmental Affairs and the Master of Public Affairs Program. If, however, you have more questions, we look forward to your inquiries. The School of Public and Environmental Affairs is proud of its current and past students, its energetic faculty, and its innovative programs in teaching, research, and service. We hope you will decide to join us.

Charles F. Bonser  
Dean

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While every effort is made to provide accurate and current information, Indiana University reserves the right to change without notice statements concerning rules, policies, fees, curricula, courses, or other matters.

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## More Information

For more information about or application forms for the Master of Public Affairs program in Bloomington, write:

Director, Public Affairs Graduate Programs  
Indiana University  
School of Public and Environmental Affairs  
400 East Seventh Street, Room 327  
Bloomington, IN 47405  
(812) 337-3107

In Indianapolis, write:

Director, Graduate Programs  
Indiana University-Purdue University at  
Indianapolis  
School of Public and Environmental Affairs  
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