

Records Copy

Indiana University Bulletin

School of
Public and
Environmental
Affairs
Undergraduate Program

Systemwide

1 9 8 6 - 1 9 8 8

INDIANA UNIVERSITY BULLETIN
Indiana University
Bloomington, Indiana 47401

Return Postage Guaranteed

SECOND CLASS POSTAGE PAID
AT BLOOMINGTON, INDIANA

94 U.S. POSTAL REGULATIONS REQUIRE
BULLETIN MUST BE MAILED BY
OFFICE OF ADMISSIONS BULLETIN ROOM
FOR SECOND CLASS POSTAGE

Indiana University Bloomington

*College of Arts and Sciences
*School of Business¹
*School of Continuing Studies²
*School of Education¹
*Graduate School
*School of Health, Physical Education, and Recreation
School of Journalism
*School of Law-Bloomington
*School of Library and Information Science
*School of Music
*School of Optometry
*School of Public and Environmental Affairs¹
University Division

Indiana University-Purdue University at Indianapolis

*School of Business¹
*School of Continuing Studies²
*School of Dentistry
*School of Education¹
School of Engineering and Technology (Purdue University)
*Graduate School
*Herron School of Art
School of Journalism
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 Affairs¹
School of Science (Purdue University)
*School of Social Work
IUPUI University Division
Columbus Center

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, 814 East Third Street, 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, for the IUPUI University Division, and for School of Law-Indianapolis may be obtained by writing directly to those units on the Indianapolis campus.

Write directly to the individual regional campus for its bulletin.

¹ Two bulletins are issued: graduate and undergraduate.

² Brochures on the General Studies Degree Program, Independent Study Program, Division of Labor Studies, Division of Professional Development, and Conference Bureau are available from this school (Owen Hall).

Indiana University Bulletin 1986/88

School of Public and Environmental Affairs

Undergraduate Programs

Administrative Officers

Indiana University

JOHN W. RYAN, Ph.D., *President of the University*
HERMAN B. WELLS, A.M., LL.D., *Chancellor of the University*
W. GEORGE PINNELL, D.B.A., *Executive Vice President of the University*
KENNETH R. R. GROS LOUIS, Ph.D., *Vice President, Bloomington*
(Appointment Pending), *Vice President, Indianapolis*
EDGAR G. WILLIAMS, D.B.A., *Vice President for Administration*
DANILO ORESCANIN, D.B.A., *Vice President for University Relations*
JOHN D. MULHOLLAND, M.B.A., *Treasurer of the University*
LESTER M. WOLFSON, Ph.D., *Chancellor of Indiana University at South Bend*
HUGH L. THOMPSON, Ph.D., *Chancellor of Indiana University at Kokomo*
GLENN A. GOERKE, Ph.D., *Chancellor of Indiana University East*
PEGGY GORDON ELLIOTT, Ed.D., *Chancellor of Indiana University Northwest*
LEON RAND, Ph.D., *Chancellor of Indiana University Southeast*
THOMAS P. WALLACE, Ph.D., *Chancellor of Indiana University - Purdue University at Fort Wayne*

Bloomington Campus

KENNETH R. R. GROS LOUIS, Ph.D., *Vice President*
ANYA PETERSON ROYCE, Ph.D., *Dean of the Faculties*
WARD B. SCHAAP, Ph.D., *Dean for Budgetary Administration and Planning*
MORTON LOWENGRUB, Ph.D., *Dean for Research and Graduate Development*
ELIZABETH M. NUSS, Ph.D., *Dean for Undergraduate Life*
MICHAEL V. W. GORDON, Ed.D., *Dean of Students*
DANIEL W. DE HAYES, JR., Ph.D., *Dean and Director of Academic Computing*
MARY LOUISE REMLEY, Ph.D., *Acting Dean for Women's Affairs*
JOSEPH J. RUSSELL, Ed.D., *Dean for Afro-American Affairs*
ALBERTO TORCHINSKY, Ph.D., *Dean for Latino Affairs*
ROBERT S. MAGEE, M.Div., *Director of Admissions*
R. GERALD PUGH, Ed.D., *Registrar*
MARCIA V. DONNERSTEIN, Ph.D., *Campus Affirmative Action Officer*

Indianapolis Campus

(Appointment Pending), *Vice President*
ROBERT A. GREENKORN, Ph.D., *Vice President and Associate Provost (Purdue University)*
HOWARD G. SCHALLER, Ph.D., *Executive Dean and Dean of Facilities*
PATRICIA A. BOAZ, Ph.D., *Dean of Student Affairs*
WENDELL F. MCBURNEY, Ed.D., *Dean of Research and Sponsored Programs*
ROBERT E. MARTIN, M.P.A., *Director of Administrative Affairs*
JOHN C. KRIVACS, M.S., *Director of Admissions*
DAVID L. ROBBINS, M.B.A., *Director of Budgeting and Fiscal Affairs*
RICHARD E. SLOCUM, Ed.D., *Registrar*
LINCOLN LEWIS, Ed.D., *Campus Affirmative Action Officer*
PAUL R. BIPPEN, Ed.D., *Director, Columbus Center*

School of Public and Environmental Affairs

CHARLES F. BONSER, D.B.A., *Dean*
JOHN M. HUNGER, Ph.D., *Associate Dean, Indianapolis Programs*
JOHN L. MIKESELL, Ph.D., *Associate Dean, Academic Affairs*
JAMES C. RANDOLPH, Ph.D., *Associate Dean, Research and External Programs*
JOHN H. KRAGIE, Ed.D., *Assistant Dean, Academic Administration*
P. RANDALL BAKER, Ph.D., *Director, International Programs*
JAMES H. BUHER, B.S., *Director, Administrative Services*
THOMAS A. DECOSTER, Ph.D., *Director, Executive Education*
KINGSLEY HAYNES, Ph.D., *Director, Regional Economic Development Institute*
WILLIAM F. HOJNACKI, Ph.D., *Director, Division of Public and Environmental Affairs, South Bend*
MICHAEL O. HOLOWATY, Ph.D., *Director of Laboratories for Environmental Research, Northwest*
WILLIAM JONES, M.S., *Director, Environmental Systems Application Center*
WILLIAM G. LUDWIN, Ph.D., *Director, Institute of Government Finance, Fort Wayne*
GERALD MCHUGH, D.B.A., *Director, Health Administration Graduate Program, Indianapolis*
JOHN S. MERRITT, M.P.A., *Director, Office of Development and Alumni Affairs*
THEODORE K. MILLER, Ph.D., *Director, Public Affairs Graduate Program*
CLINTON V. OSTER, Ph.D., *Director, Transportation Research Center*
ROGER B. PARKS, Ph.D., *Director, Center in Policy and Public Management*
RICHARD S. RUBIN, Ph.D., *Director, Undergraduate Programs*
PHILIP RUTLEDGE, LL.D., *Director, Division of Public and Environmental Affairs, Northwest*
ROY W. SHIN, Ph.D., *Director, Division of Public and Environmental Affairs, Fort Wayne*
DANIEL E. WILLARD, Ph.D., *Director, Master of Science in Environmental Sciences Program*

School of Public and Environmental Affairs Board of Visitors

ROBERT BARNETT, *Executive Director, Naval Avionics Center, Indianapolis, Indiana*
TOM BELL, JR., *President and Chief Executive Officer, Hudson Institute, Indianapolis, Indiana*
JOHN H. BETJEMANN, *President, The Methodist Hospitals, Gary, Indiana*
A. F. BRANDSTATTER, *Tawas City, Michigan*
DANIEL L. CARMICHAEL, *Deputy General Counsel, Eli Lilly and Company, Indianapolis, Indiana*
ROBERT COWIE, *Vice President, Public Affairs, Dana Corporation, Toledo, Ohio*
A. LEE FRITSCHLER, *Director, Center for Public Policy Education, The Brookings Institution, Washington, D.C.*
JOHN GILLIGAN, *Director, Institute for International Peace Studies, University of Notre Dame, Notre Dame, Indiana (Governor, State of Ohio, 1971-1975)*
GEORGE LAND, P.E., *Coal Technology Consultant, Greenwood, Indiana*
NANCY MALOLEY, *Commissioner, Indiana Department of Environmental Management, Indianapolis, Indiana*
MICHAEL MARCHESE, *Vice President, Government Relations, Lincoln National Corporation, Fort Wayne, Indiana*
NINA McCLELLAND, *President and Chief Executive Officer, National Sanitation Foundation, Ann Arbor, Michigan*
WOODROW A. MYERS, JR., M.D., *State Health Commissioner, Indiana State Board of Health, Indianapolis, Indiana*
JOHN B. OLSEN, *Senior Vice President, Mellon Bank, Pittsburgh, Pennsylvania*
MICHAEL J. QUINN, *Director, Indiana Association of Cities and Towns, Indianapolis, Indiana*
DAVID E. REICHLE, *Executive Director, Oak Ridge National Laboratory, Oak Ridge, Tennessee*
FRANKLIN D. SCHURZ, JR., *President, Schurz Communications, Inc., South Bend, Indiana*
CARL W. STENBERG, *Executive Director, The Council of State Governments, Lexington, Kentucky*
WILLIAM J. WATT, *Chairman, State of Indiana Transportation Coordinating Board, Indianapolis, Indiana*
MATTHEW E. WELSH, *Attorney, Bingham Summers Welsh & Spilman, Indianapolis, Indiana (Governor, State of Indiana, 1960-1964)*

Contents

SPEA Administrative Officers	22	Areas of Concentration
SPEA Board of Visitors	22	Bloomington
SPEA Systemwide Map	26	Indianapolis
	30	Fort Wayne
1 School of Public and Environmental Affairs	31	Northwest (Gary)
1 SPEA Alumni Association	34	South Bend
1 Alpha Phi Sigma	36	Bachelor of Science in Criminal Justice—Indianapolis
1 Pi Alpha Alpha	38	Bachelor of Science in Public Health—Indianapolis
3 The Undergraduate Program Systemwide	41	Environmental Studies Major—Bloomington
4 SPEA Centers, Institutes, Programs, and Services	43	Area Certificate Programs Systemwide
5 Career Planning and Internship Center	43	Environmental Studies—Bloomington, Indianapolis, South Bend
7 The Undergraduate Programs	46	Public Affairs—Bloomington, Indianapolis, Northwest (Gary)
8 Admission to the Undergraduate Program	47	Public Health—Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), South Bend
9 Academic Regulations	48	Urban Studies—Bloomington, South Bend
12 Special Opportunities for Students	51 Undergraduate Courses	
12 The Honors Program	57 Faculty and Senior Professional Staff	
12 The Accelerated Masters Program	62 Indiana University	
13 The SPEA-Erasmus University Exchange Program	63 Policies of the University	
13 The SPEA-University of Kent Exchange Program	63 Residency Status	
13 Washington Leadership Program	64 Fees	
14 Associate of Science Degree Programs	68 Transfer to other IU Campuses	
15 Associate of Science in Criminal Justice Indianapolis-Fort Wayne-South Bend-Kokomo-Richmond		
16 Associate of Science in Public Affairs Systemwide		
19 Bachelor of Science Degree Programs		
20 Bachelor of Science in Public Affairs Systemwide		

INDIANA UNIVERSITY BULLETIN OFFICIAL SERIES (USPS 262440)

Second-class postage paid at Bloomington, Indiana. Published nineteen times a year (three times in October; twice in March, April, May, June, and December; monthly in January, February, July, August, September, and November) by Indiana University from the Office of University Publications, Bloomington, Indiana 47405. Postmaster: Send address changes to Indiana University Bulletin Mail Room, 708 N. Indiana, Bloomington, Indiana 47405.

School of Public and Environmental Affairs

The School of Public and Environmental Affairs (SPEA) is a multidisciplinary, systemwide division of Indiana University. The School is organized as a professional school, committed to teaching, applied research, and service based on problems that need solutions. The interests of the faculty and professional staff typically fall into one or more of the following areas: policy and administration; finance and economics; urban and regional analysis; environmental science and policy; criminal justice, law, public safety; and health science and administration. The School's faculty, staff, and students work individually and jointly to solve problems that require SPEA's unique combination of in-depth knowledge in the physical and life sciences, and an equally informed understanding of the behavioral, social, and administrative sciences.

The best application of the School's varied resources, both staff and facilities, is insured by its organizational design. SPEA is a systemwide school of the University and can extend scientific and technical assistance to Indiana communities from any of eight IU campuses or from all eight acting in concert. The systemwide design of the School also reinforces a wide network of continuing relations with a large number of public agencies at all levels of government. This network guarantees that the research activities of the School will be applied research in the best sense of that term; research that begins with thoughtful analysis of an actual problem and works toward a solution both relevant and possible.

The School of Public and Environmental Affairs at the undergraduate level offers two associate of science degrees, three bachelor of science degrees, and four certificate programs. These programs are designed for persons interested in positions in public, private, and voluntary organizations as well as those interested in career advancement or self improvement. They provide a sound general education with specialized study of criminal justice, public affairs, public health, or environmental systems as well as other professionally oriented areas of specialization.

SPEA Alumni Association

As an operating unit of the Indiana University Alumni Association, the SPEA Alumni Association

further develops career development and other interests of its members by providing continuous association with the school and its faculty, with fellow alumni, and with others in the field of public affairs. The SPEA Alumni Association counts among its membership more than 5000 graduates in all 50 states and 13 foreign countries. Testimony to the collegiality of SPEA graduates can be seen in 13 geographical groups that have developed over the years. These locations are Bloomington, Boston, Chicago, Dallas, Denver, Fort Wayne, Gary, Houston, Indianapolis, Los Angeles, San Francisco, South Bend, and Washington, D.C.

Professional development workshops, social gatherings, and personal contact foster extensive networking, which provides updated career information, employment opportunities, and the chance to maintain contact with the school and other alumni. Each year the association holds an annual meeting at various locations within Indiana. Notice of this meeting is sent to all alumni well in advance, and all alumni are encouraged to attend.

Alpha Phi Sigma

Alpha Phi Sigma is the national criminal justice honor society with chapters established on the Northwest (Gary) and Indianapolis campuses of Indiana University. The society recognizes scholastic excellence by undergraduate and graduate students in the field of criminal justice. It was founded in 1942 and was admitted to the Association of College Honor Societies in 1980. Undergraduate students to be eligible must have achieved an overall 3.0 grade-point average for at least 40 semester hours of course work and must include at least 4 criminal justice courses with a minimum 3.2 grade-point average. To remain in good standing students must maintain an overall 3.0 grade-point average and a 3.2 grade-point average in all criminal justice courses completed. Membership of graduate students is limited to those who have a bachelor's degree in criminal justice or who are currently doing graduate work in this field. A minimum grade-point average of 3.4 is required for graduate students for admission and retention.

Pi Alpha Alpha

Pi Alpha Alpha is the national honorary society for schools of public affairs and administration. The society acknowledges outstanding scholarship and contributions to these fields. It was founded in 1972 by the National Association of Schools of Public Affairs and Administration (NASPAA) to honor those whose performance in public affairs has been distinguished. The

Indiana chapter of Pi Alpha Alpha is a charter chapter.

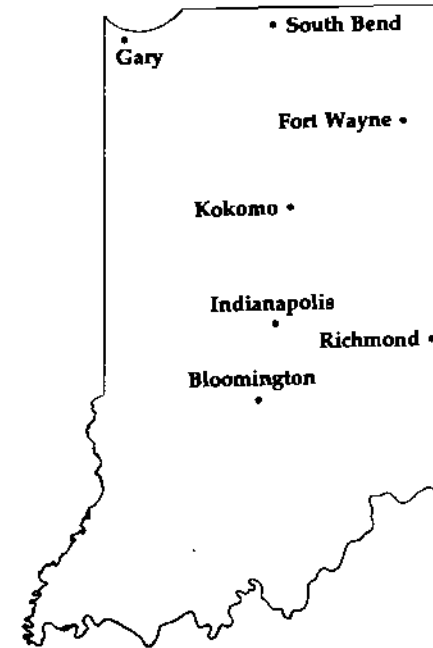
The Indiana chapter offers several types of Pi Alpha Alpha membership. Undergraduate students are eligible when they are in the top 10% of their graduating class with a minimum of 3.5 grade-point average in at least 15 semester hours of SPEA courses, and in the last semester of the junior year or in the senior year and have at least a 3.0 in all course work. SPEA graduate students qualify for membership by being in the top 20% of their M.H.A., M.P.A., or M.S.E.S. classes with a minimum 3.5 grade-point average and have completed 50% of the required course work (i.e., 24-30 semester hours).

Doctoral students who meet the requirements for Pi Alpha master's degree student membership or who have completed all the requirements for the MPA or its equivalent are eligible.

Alumni are eligible if they meet all the requirements of student membership but graduate before induction by the Indiana chapter.

Any full-time faculty member of a NASPAA member institution offering course work in a public affairs or administration degree program at which a Pi Alpha Alpha chapter is located is eligible for membership.

Honorary membership is available to any person who has achieved distinction in public administration and who possess the distinguished qualities that Pi Alpha Alpha fosters. Although Pi Alpha Alpha is a fairly new organization, it will soon become the primary vehicle for recognition of the outstanding qualities of students of public affairs. Membership in Pi Alpha Alpha may be compared to membership in Phi Beta Kappa for liberal arts graduates. A person evaluating credentials in the various fields of public service should recognize the professional quality such a membership represents.



School of Public and Environmental Affairs Undergraduate Programs Systemwide

IU Northwest (Gary)

Associate of Science in Public Affairs
Bachelor of Science in Public Affairs
Public Affairs Certificate
Public Health Certificate

IU at Kokomo

Associate of Science in Criminal Justice

IU-PU at Indianapolis

Associate of Science in Criminal Justice
Associate of Science in Public Affairs
Bachelor of Science in Criminal Justice
Bachelor of Science in Public Affairs
Bachelor of Science in Public Health
Environmental Studies Certificate
Public Affairs Certificate
Public Health Certificate

IU at South Bend

Associate of Science in Criminal Justice
Associate of Science in Public Affairs
Bachelor of Science in Public Affairs
Environmental Studies Certificate
Public Health Certificate
Urban Affairs Certificate

IU-PU at Fort Wayne

Associate of Science in Criminal Justice
Associate of Science in Public Affairs
Bachelor of Science in Public Affairs
Public Health Certificate

IU East (Richmond)

Associate of Science in Criminal Justice
Associate of Science in Public Affairs

IU Bloomington

Associate of Science in Public Affairs
Bachelor of Science in Public Affairs
Environmental Studies Certificate
Public Affairs Certificate
Public Health Certificate
Urban Studies Certificate

SPEA Centers, Institutes, Programs, and Services

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 provides a wide variety of services to an equally varied number of federal, state, and local agencies.

The Business-SPEA Library, an official branch of the Indiana University Library, serves the research and study needs of the School of Business and the School of Public and Environmental Affairs. It is located on the ground floor between the Business Building and the SPEA Building on the Bloomington campus. The primary service responsibility of the librarians is to locate specific information and to serve as a guide in systematic searches of the literature by using catalogs, encyclopedias, indexes, data bases, bibliographies, and other guides to published materials. Also available is the Computer-Assisted Reference Service.

The Center for Public Sector Labor Relations, based in Bloomington, was established in response to the changing relationship between public employees and their government employers. Labor Center 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 in Policy and Public Management, based in Bloomington, was established to link existing research and public services efforts in the school and to enhance research and service opportunities for faculty and students in SPEA. Faculty associated with the center are currently involved in research projects in the areas of human services delivery, criminal justice, and mental health program delivery. Graduate students, associated with the center through the Lilly Community Assistance Program, provide advice and assistance to

governmental units throughout the state of Indiana in areas such as computerization of operations, economic development, historical preservation, and zoning and planning.

The Environmental Systems Application Center (ESAC) is the program and administrative organization for grant and contract operations that fit the mission and capabilities of the SPEA Environmental Programs. Its interdisciplinary focus is unique among environmental research centers.

The Executive Education Program of the school, based in Indianapolis, 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.

The Great Lakes Center for Public Affairs and Administration is a unit of the Division of Public and Environmental Affairs on the Northwest Campus. The center conducts research and provides technical services to units of governments and other institutions in Northwest Indiana. The Center also focuses on issues in Public Affairs and Administration in the Great Lakes region that affects Indiana.

The Institute of Government Finance is dedicated to the pursuit, development, and application of knowledge in the field of local and state finance. This endeavor is carried out through the teaching, research, and service activities of University faculty, institute fellows, and research associates. The institute is sponsored jointly by SPEA and Indiana University-Purdue University at Fort Wayne. Academic programs are located primarily on the Bloomington campus while other activities are carried out through the Fort Wayne campus.

The Laboratories for Environmental Research is a unit of the Division of Public and Environmental Affairs at IU Northwest. The laboratories provide scientific engineering, health, and policy-related information to aid both private companies and the public agencies in contributing to a healthy economy and arriving at effective environmental decisions.

The Office of Development and External Programs, located in Bloomington, assists SPEA faculty, professional staff, institutes, and centers systemwide in developing new externally funded projects of all types. The office also coordinates efforts to raise funds

for scholarships, and faculty research projects and is responsible for the administration of the Career Planning and Internship Center and coordination of alumni affairs.

The Regional Economic Development Institute, directly under the supervision of the Office of Research and Graduate Development with joint support of the School of Public and Environmental Affairs, is an independent, university-wide research program linking faculty resources from various departments and campuses. The institute examines research-related problems in the field of regional economic development at state and national levels as well as at the international level. It focuses on mobilization of regional resources for development and carries out research into the causes and consequences of regional change.

The Transportation Research Center is a joint center for the School of Business and the School of Public and Environmental Affairs. It was established primarily to coordinate and facilitate the transportation research activities of the University. The center's primary expertise lies in the areas of transportation safety, urban public transit, transport modeling and planning, and transport regulatory policy, and the bulk of its activities fall in these areas. The center uses a core staff of 25 professional researchers, numerous faculty, and graduate students in performing research projects for federal, state, and local government agencies.

The Urban Observatories Since 1975-1978, the cities of Indianapolis, South Bend, Fort Wayne, and Gary have each initiated their own individual urban observatories under the administrative leadership of SPEA faculty members. The purpose of these observatories is to use a wide range of University resources to focus on and assist in solving specific urban problems. The Urban Observatory concept, first initiated in 1968 in 16 cities across the nation, demonstrated that cities and their local universities could both gain from their cooperative efforts in applied research, service, and training.

Career Planning and Internship Center

SPEA's Career Planning and Internship Center offers students from all schools the opportunity to gain professional experience with public and private agencies. The center's programs encourage students to relate classroom instruction to real world problems in a work setting. At the same time, participating organizations have an opportunity to supplement their work force with trained, enthusiastic personnel. The School considers internships not only an important part of the student's educational development, but also a key vehicle for applying concepts and techniques learned at the University to real-world problems.

The Internship Program Full-time internships in public and private sector agencies are developed by the center for fall, spring, and summer semesters. The internships vary greatly, both in focus (criminal justice, environment, financial management, consumer protection, health care, planning, social service, personnel administration, community development, and urban policy) and in the role played by the student (research, administration, communication, and program implementation).

Students participating in an internship may earn from 1 to 6 hours of credit per experience, through enrollment in SPEA V380 Internship in Public Affairs. Enrollment in V380 must run concurrent with the internship experience. Credit will not be granted for work experience that occurs prior to approval of an internship and enrollment in V380. A maximum of 15 credits hours of internship is permitted in the SPEA Undergraduate Program. As a condition for receiving an internship arranged by the Career Planning and Internship Center, students are required to enroll for a minimum of 3 credit hours in V380.

Field Study Program The center also seeks to accommodate students who, through their own initiative, have developed meaningful work experiences in the public and private sectors. Such students may request up to 6 hours credit by submitting a learning contract to the center. In order to complete the credit requirements, students must submit intern/supervisor evaluation reports. In some cases a written report on the experience and/or an activities log may be required. Credit will not be granted for work experience that occurs prior to approval of the field study contract and enrollment in SPEA V380.

Career Planning The center provides SPEA students with career-planning assistance that is designed to complement the student's own efforts to find employment. Regular contact is made with a variety of employers (public and private sectors) to develop opportunities for internships and job interviews.

Through counseling, students develop career objectives and plans. Supplementing the counseling is a one-credit hour Career Planning course (V352) that offers specific instruction on employment/internship opportunities, research, résumé preparation, and interviewing techniques. To gain access to counseling, interview schedules, and other career planning services, the student must register with the center.

The Undergraduate Programs

The systemwide School of Public and Environmental Affairs offers a wide range of undergraduate programs directly on five of the Indiana University campuses: Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), South Bend, and through a cooperative arrangement at Kokomo and East (Richmond). The undergraduate degrees are the Associate of Science in Public Affairs (A.S.P.A.), Associate of Science in Criminal Justice (A.S.C.J.), the Bachelor of Science in Public Affairs (B.S.P.A.), the Bachelor of

Science in Criminal Justice (B.S.C.J.), and the Bachelor of Science in Public Health (B.S.P.H.). Not all degrees are offered at all campuses. In addition, the undergraduate program includes area certificate programs in environmental studies, public affairs, public health, and urban studies.

These programs emphasize the application of the liberal arts with a professional orientation which provides a sound general education and a specialized study of public affairs and environmental systems for those interested in public service and in the environment.

The following lists the Indiana University campuses where SPEA undergraduate degrees and certificate programs are offered.

	Degrees	Certificates
Bloomington	A.S.P.A. B.S.P.A.	Environmental Studies, Public Affairs, Public Health, Urban Studies
Indianapolis	A.S.C.J. A.S.P.A. B.S.C.J. B.S.P.H. B.S.P.A.	Environmental Studies, Public Affairs, Public Health
Fort Wayne	A.S.C.J. A.S.P.A. B.S.P.A.	Public Health
Northwest (Gary)	A.S.P.A. B.S.P.A.	Public Affairs, Public Health
South Bend	A.S.C.J. A.S.P.A. B.S.P.A.	Environmental Studies, Public Health, Urban Studies
Kokomo	A.S.C.J.	
East (Richmond)	A.S.C.J. A.S.P.A.	

Information concerning these programs can be obtained from the following SPEA campus offices:

Bloomington
Director, Undergraduate Programs
School of Public and Environmental Affairs
SPEA Building, Room 260
Indiana University
Bloomington, Indiana 47405
(812) 335-3475

Indianapolis
Office of the Dean
School of Public and Environmental Affairs
Business-SPEA Building, Room 3025
Indiana University-Purdue University at Indianapolis
801 West Michigan Street

Indianapolis, Indiana 46223
(317) 274-4656

Fort Wayne
Director
Division of Public and Environmental Affairs
Neff Hall 260
Indiana University-Purdue University at Fort Wayne
2101 Coliseum Boulevard East
Fort Wayne, Indiana 46805
(219) 482-5200

Kokomo
Director of Admissions

Student Services
Indiana University at Kokomo
2300 South Washington Street
Kokomo, Indiana 46902
(317) 453-2000

Northwest (Gary)
Director
Division of Public and Environmental Affairs
Indiana University Northwest
3400 Broadway
Gary, Indiana
(219) 980-6695

East (Richmond)
Director of Admissions
Indiana University East
2325 Chester Boulevard
Richmond, Indiana 47374

South Bend
Director
Division of Public and Environmental Affairs
Indiana University at South Bend
01700 Mishawaka Avenue
P. O. Box 7111
South Bend, Indiana 46634
(219) 287-4131

Admission to Undergraduate Degree Programs

Information concerning admission to the undergraduate degree and certificate programs of the School of Public and Environmental Affairs may be obtained from the SPEA offices listed in the previous section of this *Bulletin*, or from the Office of Admissions, the University Divisions, or the Offices of Student Services at the campuses of the Indiana University system.

Admission Eligibility-Degree Programs
Eligibility criteria for admissions to the undergraduate degree programs of the School of Public and Environmental Affairs varies between the several campuses of Indiana University where SPEA programs are offered. Applicants for admission should therefore be aware of the specific admission eligibility requirements that will apply on the campus where they plan to enroll and/or to apply for admission to the School of Public and Environmental Affairs.

Admission Eligibility to SPEA-Bloomington Campus All students admitted to Indiana University for the Fall Semester 1986 and after including intercampus transfer students previously admitted to SPEA or a SPEA degree program on another campus, must

meet the following criteria to be eligible for admission to SPEA at Bloomington:
Completion of at least 26 credit hours with a minimum cumulative grade-point average of 2.0 and completion of the following six pre-admission courses with a grade of C in each course.

1. Economics E103 Introduction to Microeconomics (3 cr.)
2. English Composition
3. One of the required mathematics courses
4. Political Science Y103 Introduction to American Politics (3 cr.)
5. SPEA V170 Introduction to Public Affairs (3 cr.)
6. SPEA V264 Urban Structure and Policy (3 cr.)

Students admitted to Indiana University prior to the Fall Semester 1986 should contact the Office of the SPEA Recorder, Bloomington for admission eligibility prior to Fall 1986.

Admission to SPEA-Bloomington Campus—Effective Fall Semester 1987-88

1. Transfer students from SPEA Divisions on the Indianapolis, Fort Wayne, Northwest and South Bend campuses and the SPEA degree programs on the Kokomo and Richmond campuses of Indiana University will only be required to meet the SPEA pre-admissions eligibility requirements and are exempt from the following admissions procedure.
2. All other Indiana University students and students from other institutions seeking admission to SPEA must submit an application for admission to SPEA.
3. Applicants must not have completed more than 75 credit hours by the beginning of the semester of admission, including incomplete and deferred grades.
4. Applications for admission to SPEA will be available after March 1, 1987 and can be obtained from the Office of the SPEA Recorder, School of Public and Environmental Affairs, Room 253, SPEA Building, Bloomington, or the University Division, Maxwell Hall, Bloomington; the SPEA Division offices and other appropriate offices on the other Indiana University campuses.
5. Applications must be submitted to SPEA Bloomington in accordance with the following schedule:
July 1 for admission for the Fall Semester
December 1 for admission for the Spring Semester
6. Admissions applications will be processed and students selected for an admissions eligibility list in July and December of each year.
 - a. Admissions applications of eligible applicants will be ranked in the

following order to establish an eligibility list for admission.

1. applicants with a GPA of 3.0 or higher.
 2. applicants with under a 3.0 GPA who have completed at least 26 but not more than 55 credit hours by the semester for admission.
 3. all other eligible applicants.
- b. The eligibility list will apply only for admission for the semester for which it was established with no carry overs from previous eligibility lists.
- c. SPEA will admit from this eligibility list only the number of students that would bring the total number of SPEA undergraduate majors to the SPEA major limit.

Admission to SPEA-Other Indiana University campuses Admission to the School of Public and Environmental Affairs at Indianapolis, Fort Wayne, Northwest (Gary), and South Bend, or to the SPEA programs at the Kokomo and East (Richmond) campuses is dependent on the specific campus and/or Public and Environmental Affairs admissions policies on those campuses.

Inter-Campus Transfer Students admitted to 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 and/or are accepted by SPEA at the other campus and meet the admission criteria at that campus.

Academic Regulations Systemwide

The following academic regulations of the School of Public and Environmental Affairs are applicable to all appropriate undergraduate programs regardless of the campus where they are offered. However, local campus policies applicable to those campuses may also apply to SPEA undergraduate programs.

Confidentiality of Student Records In accordance with Indiana University regulations, student records are confidential and are available to other persons only under specific conditions as outlined in University regulations.

Students Rights Rights and responsibilities of students are included in the *Student Handbook* of each campus and provide for due process in the event of disciplinary or other actions.

Student Responsibility Students are responsible for planning their own academic

programs and for meeting the requirements for their degrees or certificate programs. Faculty and academic advisers are obligated only to assist students in meeting this responsibility.

Applicability of Degree and Certificate Requirements The specific degree and certificate requirements that must be fulfilled by each student are those published in either the appropriate *Bulletin* at the time of entry into the University or those in the *Bulletin* current at the time of graduation, whichever the student chooses.

Graduation Hours Students must complete a minimum of 120 credit hours of appropriate course work for the bachelor of science degrees and a minimum of 60 credit hours of appropriate course work for the associate of science degrees. These credit hours must be distributed to meet the specific degree requirements.

Residency Requirements-Undergraduate Degree and Certificate Programs The campus at which a student completes the plurality of required course work will certify and award the degree or certificate, provided that campus is authorized to grant that degree or certificate.

Degrees Awarded with Distinction The School of Public and Environmental Affairs recognizes outstanding academic performance by awarding bachelor and associate degrees with three levels of distinction to students who meet the following criteria:

1. *Baccalaureate* and *Associate* degree candidates must rank within the highest 10 percent of their SPEA graduating class at the campus where they are receiving their degree.
2. *Baccalaureate* degree candidates must have successfully completed a minimum of 60 credit hours at Indiana University.
3. *Associate* degree candidates must have successfully completed at least half of the hours required for their degree at Indiana University.
4. Attain the required grade point average (GPA) for the appropriate level of distinction as listed below:

Highest Distinction	3.9 and above
High Distinction	3.7 through 3.89
Distinction	3.5 through 3.69

Class Standing Class standing is based on the total number of credit hours completed. Freshman, fewer than 27 credit hours
Sophomore, 27 to 55 credit hours

IU ADMISSION DATE

- Before Fall, 1983 - Students need only a cumulative GPA of 2.0 or higher and Soph. standing (26 hours).
- Fall, 1983 Thru Summer II 1986 - Students need cumulative GPA of 2.0 or higher; Soph. standing; and completion of E103, W131, MATH, Y103, and V170 with a GPA of 2.0 for these 5 courses.
- Fall, 1986 on - Students need cumulative GPA of 2.0 or higher; Soph. standing; and completion of E103, W131, MATH, Y103, V170 and V264 with a final course grade of "C" in each of these 6 courses.

Admission to Undergraduate Degree Programs

Information concerning admission to the undergraduate degree and certificate programs of the School of Public and Environmental Affairs may be obtained from the SPEA offices listed in the previous section of this *Bulletin*, or from the Office of Admissions, the University Divisions, or the Offices of Student Services at the campuses of the Indiana University system.

Admission Eligibility-Degree Programs Eligibility criteria for admissions to the undergraduate degree programs of the School of Public and Environmental Affairs varies between the several campuses of Indiana University where SPEA programs are offered. Applicants for admission should therefore be aware of the specific admission eligibility requirements that will apply on the campus where they plan to enroll and/or to apply for admission to the School of Public and Environmental Affairs.

Admission Eligibility to SPEA-Bloomington Campus All students admitted to Indiana University for the Fall Semester 1986 and after including intercampus transfer students previously admitted to SPEA or a SPEA degree program on another campus, must

attend campus of Indiana University will only be required to meet the SPEA pre-admissions eligibility requirements and are exempt from the following admissions procedure.

2. All other Indiana University students and students from other institutions seeking admission to SPEA must submit an application for admission to SPEA.
3. Applicants must not have completed more than 75 credit hours by the beginning of the semester of admission, including incomplete and deferred grades.
4. Applications for admission to SPEA will be available after March 1, 1987 and can be obtained from the Office of the SPEA Recorder, School of Public and Environmental Affairs, Room 253, SPEA Building, Bloomington, or the University Division, Maxwell Hall, Bloomington; the SPEA Division offices and other appropriate offices on the other Indiana University campuses.
5. Applications must be submitted to SPEA Bloomington in accordance with the following schedule:
July 1 for admission for the Fall Semester
December 1 for admission for the Spring Semester
6. Admissions applications will be processed and students selected for an admissions eligibility list in July and December of each year.
 - a. Admissions applications of eligible applicants will be ranked in the

following order to establish an eligibility list for admission.

1. applicants with a GPA of 3.0 or higher.
2. applicants with under a 3.0 GPA who have completed at least 26 but not more than 55 credit hours by the semester for admission.
3. all other eligible applicants.
- b. The eligibility list will apply only for admission for the semester for which it was established with no carry overs from previous eligibility lists.
- c. SPEA will admit from this eligibility list only the number of students that would bring the total number of SPEA undergraduate majors to the SPEA major limit.

Admission to SPEA-Other Indiana University campuses Admission to the School of Public and Environmental Affairs at Indianapolis, Fort Wayne, Northwest (Gary), and South Bend, or to the SPEA programs at the Kokomo and East (Richmond) campuses is dependent on the specific campus and/or Public and Environmental Affairs admissions policies on those campuses.

Inter-Campus Transfer Students admitted to 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 and/or are accepted by SPEA at the other campus and meet the admission criteria at that campus.

Academic Regulations Systemwide

The following academic regulations of the School of Public and Environmental Affairs are applicable to all appropriate undergraduate programs regardless of the campus where they are offered. However, local campus policies applicable to those campuses may also apply to SPEA undergraduate programs.

Confidentiality of Student Records In accordance with Indiana University regulations, student records are confidential and are available to other persons only under specific conditions as outlined in University regulations.

Students Rights Rights and responsibilities of students are included in the *Student Handbook* of each campus and provide for due process in the event of disciplinary or other actions.

Student Responsibility Students are responsible for planning their own academic

programs and for meeting the requirements for their degrees or certificate programs. Faculty and academic advisers are obligated only to assist students in meeting this responsibility.

Applicability of Degree and Certificate Requirements The specific degree and certificate requirements that must be fulfilled by each student are those published in either the appropriate *Bulletin* at the time of entry into the University or those in the *Bulletin* current at the time of graduation, whichever the student chooses.

Graduation Hours Students must complete a minimum of 120 credit hours of appropriate course work for the bachelor of science degrees and a minimum of 60 credit hours of appropriate course work for the associate of science degrees. These credit hours must be distributed to meet the specific degree requirements.

Residency Requirements-Undergraduate Degree and Certificate Programs The campus at which a student completes the plurality of required course work will certify and award the degree or certificate, provided that campus is authorized to grant that degree or certificate.

Degrees Awarded with Distinction The School of Public and Environmental Affairs recognizes outstanding academic performance by awarding bachelor and associate degrees with three levels of distinction to students who meet the following criteria:

1. *Baccalaureate* and *Associate degree* candidates must rank within the highest 10 percent of their SPEA graduating class at the campus where they are receiving their degree.
2. *Baccalaureate degree* candidates must have successfully completed a minimum of 60 credit hours at Indiana University.
3. *Associate degree* candidates must have successfully completed at least half of the hours required for their degree at Indiana University.
4. Attain the required grade point average (GPA) for the appropriate level of distinction as listed below:

Highest Distinction	3.9 and above
High Distinction	3.7 through 3.89
Distinction	3.5 through 3.69

Class Standing Class standing is based on the total number of credit hours completed. Freshman, fewer than 27 credit hours
Sophomore, 27 to 55 credit hours

Junior, 56 to 85 credit hours
Senior, 86 or more credit hours

Academic Standing Students are considered to be in good academic standing when their academic grade-point averages are not less than 2.0 (C) for the last semester/session's course work and when their cumulative grade-point averages are 2.0 (C) or higher for all course work completed.

Academic Probation A student will be placed on probation the semester/summer session after which the semester/session or cumulative grade-point average falls below a 2.0 (C). The student will remain on probation until the semester/session and cumulative grade-point averages are at least 2.0 (C) or until the student is dismissed.

Dismissal A student who has failed to attain a 2.0 (C) grade-point average in three consecutive semesters/summer sessions and whose cumulative grade-point average is below 2.0 (C), is considered to be making insufficient progress toward a degree and will be automatically considered for dismissal.

Readmission A dismissed student must petition the SPEA campus or undergraduate program director of the campus from which the student was dismissed for readmission. The campus or program director may permit readmission on continued probation for one semester/summer session if warranted by exceptional circumstances or if it is believed the student will make progress toward a degree. A student whose petition is denied will not be permitted to register for the next academic session on any Indiana University campus but may resubmit a petition for readmission after a dismissal period of at least one regular semester.

Grading System The official grading system of the school of Public and Environmental Affairs is as follows:

A = 4.0	D = 1.0
A- = 3.7	D- = 0.7
B+ = 3.3	F = Failed
B = 3.0	I = Incomplete
B- = 2.7	NR = No Grade Reported
C+ = 2.3	P = Pass
C = 2.0	R = Deferred
C- = 1.7	S = Satisfactory
D+ = 1.3	W = Withdrawal

Incomplete All incomplete (I) grades must be removed within the time specified by the instructor of the course or they will automatically change to an F one calendar year after the end of the semester/session the

incomplete was given. Students who receive a grade of incomplete should not register for the course a second time.

Withdrawals Because periods and deadlines for withdrawal from courses may vary by campus and/or school, students should check with the current campus *Schedule of Classes* to verify deadlines and procedures.

Elementary Composition Grade Requirement A grade of C- or higher must be attained in any course taken to satisfy the elementary composition requirement for all SPEA associate and bachelor degrees.

Grade-Point Average Requirement Degree Students admitted to the School of Public and Environmental Affairs must meet the following cumulative and the SPEA core and concentration grade-point averages to qualify for awarding of a bachelor of science or an associate of science degree from the School.

Cumulative Grade-Point Average A minimum cumulative grade-point average of 2.0 (C) for all course work completed to meet degree requirements.

Core and Concentration Grade-Point Average A minimum grade-point average of 2.3 (C+) for all course work completed to meet the core and concentration requirements of the student's degree program.

Grade-Point Average-Certificates A minimum grade-point average of 2.0 (C) is required for all course work completed to meet the requirements for a SPEA certificate.

FX Policy This policy applies to all students admitted to Indiana University for the Fall Semester 1984-85 or thereafter. Students admitted prior to Fall 1984 should contact the SPEA Recorder for the FX policy applicable in their case. An undergraduate student who has retaken a course previously failed may request to have only the last grade in that course counted in the determination of the student's grade-point average. The original F will be replaced by the notation FX on the student's transcript and SPEA academic record and only the last grade will be used in computing the grade-point average. A student may exercise this FX option for no more than three courses, totaling no more than 10 credit hours. A student may use the FX option only once for a given course. (Requests for SPEA approval of FX courses should be made to the SPEA campus recorder.)

Pass/Fail Option SPEA undergraduate students in good standing (not on probation) may enroll in a maximum of eight elective

courses for a bachelor degree and a maximum of two elective courses for an associate degree to be taken with a grade of P (pass) or F (fail).

The pass/fail option is allowed for a maximum of two courses per academic year (August to August) including summer sessions. The course selected for pass/fail must be a general degree program elective and may not be used to satisfy any of the SPEA general education, core, or concentration requirements or to satisfy certificate requirements. The election of this option must be made in conformance with the deadlines as contained in the campus *Schedule of Classes*. A grade of Pass (P) does not affect the grade-point average, but a failing grade (F) will be computed in the cumulative grade-point average.

Correspondence Study A limited amount of credit earned through correspondence study of the IU Division of Independent Study may be applied toward a SPEA degree if approved by SPEA. Students admitted to SPEA must have approval from SPEA before enrolling in any Independent Study courses; however, SPEA courses available through correspondence study cannot normally be used to fulfill core or concentration courses.

Internship Credit The maximum internship credit allowed through the SPEA Internship Program in a SPEA baccalaureate degree program is 15 credit hours. Internship credit to be earned from another academic unit or institution and applied toward a SPEA baccalaureate degree must be approved in advance by the appropriate undergraduate program or campus director, but cannot exceed 10 credit hours.

Transfer of Credit From Other Colleges and Universities Up to 90 credit hours towards a bachelor of science degree and 30 credit hours towards an associate of science degree of appropriate undergraduate course work may be transferred from other colleges and universities and applied to SPEA undergraduate degree programs. Acceptance of transfer credit from other institutions will be determined by the Office of Admissions on each campus, and the applicability of credit toward degree requirements in the School of Public and Environmental Affairs will be determined by the appropriate program or campus director.

Second Undergraduate Degree Normally the holder of a bachelor's degree who wishes to pursue further education is encouraged to become qualified for admission to graduate study. In certain cases a baccalaureate degree

holder may be admitted to candidacy for an associate or second bachelor's degree. In such cases the candidate must earn at least 30 additional credit hours as a student enrolled in SPEA and meet all requirements for the SPEA degree being sought.

Course Waivers Requests for waiver of specific courses or requirements on the basis of previous course work are to be submitted in writing to the appropriate undergraduate program or campus director.

Disclaimer Policy-Program Deviations Requests for deviation from SPEA programs or school requirements will be granted only by written approval from an academic adviser and campus or program director. Disposition at the SPEA program and campus director level is final.

Academic Integrity is a basic principle which requires that students take credit only for ideas and efforts that are their own. The following acts of academic dishonesty violate that principle. They undermine the bonds of trust and cooperation among members of this community and between us and those who may depend upon our knowledge and integrity. Therefore, they are prohibited.

Cheating

A student must not intentionally use or attempt to use unauthorized materials, information, or study aids in any academic exercise. A student must not use external assistance on any "in class" or "take home" examination, unless the instructor specifically has authorized such assistance. This prohibition includes (but is not limited to) the use of tutors, books, notes, and calculators. A student must not submit substantial portions of the same academic work for credit or honors more than once without permission of the present instructor. A student must not allow others to conduct research or to prepare any work for him or her without advance authorization from the instructor. This prohibition includes (but is not limited to) commercial term-paper companies and files of past papers maintained in a residence unit. Several people must not collaborate on a single project and turn in multiple copies, all represented implicitly or explicitly as individual work.

Fabrication

A student must not intentionally falsify or invent any information or citation in an academic exercise.

Plagiarism

A student must not intentionally adopt or reproduce ideas, words, or statements of

another person without acknowledgment. A student must give due credit to the originality of others and honestly pay his literary debts. He should acknowledge indebtedness: (1.) whenever he quotes another person's actual words; (2.) whenever he uses another person's idea, opinion, or theory; (3.) whenever he borrows facts, statistics, or other illustrative material—unless the information is common knowledge.

Interference

A student must not steal, change, destroy, or impede another student's work. Impeding another student's work includes (but is not limited to) the theft, defacement, or mutilation of common resources so as to deprive others of the information they contain.

Facilitating Academic Dishonesty

A student must not intentionally or knowingly help or attempt to help another to commit an act of academic dishonesty.

Academic Appeals Appeals by students from academic decisions made by a SPEA faculty member should be submitted in writing to the academic head of SPEA at the campus where the decision was made. In every case, the student must first attempt to resolve the issue at the class/instructor level before submitting the written complaint or appeal. Any appeal must be initiated before the end of the last day of class of the next semester; fall or spring, immediately following the session the academic decision was made or the event occurred.

Special Opportunities for Students

Honors Program

The SPEA Honors Program allows qualified undergraduate students to pursue their academic interests while being recognized for outstanding performance. The Honors Program encourages distinguished undergraduates to display the full-range of their abilities and demonstrate their motivation while studying public and environmental affairs. Emphasis is placed on more personalized contact with faculty through smaller classes, a senior seminar, directed readings, and research in areas of the student's interests.

The Honors Program is structured to facilitate interaction among outstanding SPEA students and the faculty. Special sections of the Public Affairs Core are

designated for honors students only. During the senior year the student will write a thesis under the direction of a faculty member who specializes in the area of the student's interest. In addition, the honors student will participate in a research seminar that consists of presentations by SPEA faculty, Indiana University faculty, and outside faculty and professionals.

Sophomores and juniors who have a cumulative grade-point average of 3.5 or higher (upon completion of at least 45 credit hours) may apply for admission to the program. The principal requirements are to maintain a cumulative grade point of 3.5 or higher; to complete successfully no fewer than 4 honors designated courses; to participate in the Honors Seminar during the senior year; and to write a senior thesis.

There is ample room for flexibility and creativity in the SPEA Honors Program. With the approval of the Honors Adviser, the student may substitute other University honors courses for SPEA honors courses, arrange for independent readings or direct research with individual instructors, or propose a unique course of study that fits the individual student's needs and interests. Interested students should contact the SPEA undergraduate honors adviser.

Accelerated Master's Program (A.M.P.)

Students who demonstrate academic excellence in the B.S.P.A. Program (a minimum of a 3.6 grade point average) may apply for admission to the SPEA Master of Public Affairs or the Master of Science in Environmental Science graduate programs during their junior year.

The A.M.P. allows the student to fulfill some graduate program requirements during the senior year. Graduate courses may be counted toward the graduate degree requirements as well as the undergraduate degree requirements, but these courses cannot exceed 24 credit hours in the M.P.A. program and 18 credit hours in the M.S.E.S. The A.M.P. does not entitle students to waive any requirements of the bachelor's degree they are pursuing.

A.M.P. students may complete part or all of their master's degrees on any Indiana University campus, assuming availability of courses and approval of the local graduate program or campus director.

Students seeking admission to or desiring additional information regarding the SPEA Accelerated Master's Program should contact

the appropriate graduate program or campus director.

SPEA-Erasmus University Exchange Program

Each spring semester, approximately 20 junior and senior undergraduate and graduate students are selected to participate in the SPEA-Erasmus University Exchange Program in Rotterdam, The Netherlands. Normally, 15 credit hours of course work are required and include environmental policy, intergovernmental relations, and public administrative organization. The remaining credit hours consist of a research seminar that is started in Bloomington in the preceding fall semester and researched in The Netherlands. All instruction is in English and taught by SPEA and Erasmus University faculty. Indiana University credit is awarded upon successful completion of the program.

Students in the program pay regular Indiana University fees for tuition, plus any special program charges, and are responsible for their own transportation costs and living expenses in The Netherlands. Housing is in Erasmus University dormitories and students have access to university cafeterias for meals. Students in the program remain eligible for any scholarships or financial aid they would normally receive as Indiana University students.

Applicants must be Indiana University students in good academic standing with a minimum cumulative GPA of 2.5 and at least junior standing by the beginning of the program semester. Graduate students in good academic standing are also eligible to apply. Application deadline is October 15 prior to the beginning of the program semester. Selection is based upon an in-depth interview and review of each student's academic record. Interested students should contact the SPEA director of International Programs or SPEA campus director.

The SPEA-University of Kent Exchange Program

Up to six SPEA undergraduates may be selected each year to spend their junior year at the University of Kent at Canterbury, England. Students accepted for the program earn Indiana University credits while at Kent for courses that have IU equivalents or that supplement IU programs of study. The University of Kent offers courses in public administration, urban affairs, government, law, economics, computer science, management science, and liberal arts and humanities. SPEA students in residence at Kent may also earn a diploma from that

university upon completion of an optional year-end examination. Minimum qualifications for application to the program include a cumulative GPA of 3.30 and second-semester sophomore standing.

Tuition fees are the same as those at IU and the University of Kent has guaranteed IU students dormitory space in their residential colleges. Total room-and-board expenses in the Kent dormitories are generally higher than those in Indiana. Students will also be responsible for their air fares and for living expenses when the University of Kent is not in session. SPEA students accepted for the program remain eligible for any financial aid they would receive as regular IU students.

Interested students should contact the SPEA undergraduate or campus director.

Washington Leadership Program

The Washington Leadership Program of the School of Public and Environmental Affairs is currently offered each spring semester in Washington, D.C. Twenty-five junior-senior undergraduate students from the Indiana University system are selected for this highly desirable Washington experience. The major objective of this program is to assist students to develop their potential for employment and leadership by providing them an opportunity to study government in action in the Nation's capital. The program consists of two senior-level seminars and an internship through which a total of 12 credit hours may be awarded upon successful completion of the program. The internship requires students to work 20-30 hours per week in Congressional offices, public interest groups, or private organizations, and are typically nonpay.

Students reside and have their classes in Washington, D.C. Tuition is based on the regular charges of Indiana University, plus any special program charges. Transportation costs and other charges are the student's individual responsibility. Students in the program remain eligible for any scholarships or financial aid they would normally receive as Indiana University students from any campus. They must be in good academic standing and have attained junior standing by the beginning of the program semester. Graduate students in good standing may also apply even though the program is generally designed for undergraduate students. Application deadline is October 1,

immediately preceding the program semester. Participants are selected through a review of the student's academic record and an in-depth personal interview by the faculty program director. Interested students should contact the appropriate SPEA program or campus director.

Associate of Science Degree Programs

The School of Public and Environmental Affairs offers two associate of science degree programs that focus on upgrading the skills and general educational level of individuals now employed or considering a career in public service. Depending on a student's interest and educational objective, courses selected to satisfy associate degree requirements may be oriented to the intended career field for preservice students or to professional or career developments for inservice students.

Courses meeting associate degree requirements are those generally included in or acceptable for many of the baccalaureate degree programs of Indiana University. Through careful advising and planning, a student may work toward a baccalaureate degree and an associate of science degree concurrently.

GENERAL REQUIREMENTS

1. A minimum of 60 credit hours with a cumulative grade-point average of at least 2.0 is required.
2. A grade-point average of C+ (2.3) must be attained in all courses taken to complete the Public Affairs Core and/or the concentration for the specific associate degree program for which the student is enrolled.
3. Credit work for these degree programs may be taken at any campus of Indiana University.
4. Applicable course work completed in special student or nondegree status will be accepted toward meeting degree requirements.
5. Not more than 30 credit hours of appropriate transfer credit from another accredited institution may be applied toward this degree.
6. With permission of the School of Public and Environmental Affairs, credit earned through correspondence study in the

Division of Independent Study of Indiana University and/or by special credit examination may be applied toward this degree.

7. Courses taken to meet specific degree requirements cannot be used (double counted) to satisfy any other degree requirement.
8. Courses taken on the Pass/Fail Option can only be applied as electives in meeting degree requirements. In no case can more than two Pass/Fail courses be applied toward this degree.
9. To avoid loss of credit and other problems, students must apply for admission to the associate degree program prior to completing 35 semester hours of course work creditable toward the degree.
10. Applications for admission to the associate of science program can be obtained from the Office of the Recorder, School of Public and Environmental Affairs, or the appropriate program office at the campus where the student is enrolled or is applying for admission.
11. Students must complete associate degree requirements *before* attaining senior status (86 hours) to be eligible for an associate degree.
12. Courses offered by the Department of Criminal Justice of the College of Arts and Sciences are credited as criminal justice courses for these degrees.
13. All credit of candidates for the associate of science degree must be on record at least six weeks prior to the conferring of degrees.
14. Application for the associate of science degree must be filed with the SPEA Recorder or appropriate program office in accordance with the graduation policy of the specific campus where the degree is to be awarded.

Associate of Science in Criminal Justice

The Associate of Science in Criminal Justice requires 60 credit hours. It is offered at the Indianapolis, Fort Wayne, South Bend, Kokomo, and Richmond campuses. Flexibility within the Associate of Science in Criminal Justice program allows students with specific interests in law enforcement, correctional administration, probation, or parole to select applicable courses. Course numbers in parentheses indicate corresponding IUPUI course numbers.

DEGREE REQUIREMENTS (60 credit hours)

Communications (Three courses)

Both of the following writing courses:
English W131 Elementary Composition (3 cr.)
or equivalent campus approved option
English W231 Professional Writing Skills (3 cr.) or
English W232 Introduction to Business Writing (3 cr.) (Fort Wayne campus only)

One of the following speech courses:
Communications COM114 Fundamentals of Speech Communications (3 cr.)
Communications C104 Training the Speaking Voice (2 cr.)

Communications C110 Fundamentals of Speech Communications (3 cr.)
Speech S121 Public Speaking (3 cr.)
Speech S122 (C180) Introduction to Interpersonal Communications (2 cr.)
Speech S223 (C223) Business and Professional Speaking (3 cr.)
Speech S228 (C227) Argumentation and Debate (3 cr.)
Speech S229 (C228) Discussion and Group Methods (3 cr.)

General Education (Six courses)

Arts and humanities

One course from one of the following subject areas: (excluding courses used to satisfy other degree requirements):

R: History H105 or H106
Afro-American studies
classical studies
comparative literature
English
fine arts
folklore
foreign languages and literatures
history
musicology and music history

philosophy
religious studies
speech
theater and drama

Social and behavioral sciences

One course from one of the following subject areas (excluding courses used to satisfy other degree requirements):

anthropology
economics
geography
journalism
linguistics
political science
psychology
sociology

Biological sciences

One course from one of the following subject areas (excluding courses used to satisfy other degree requirements):

anatomy and physiology
botany
Psychology P101 Introductory Psychology I (3 cr.)
Psychology P103 General Psychology (3 cr.) (South Bend)
Psychology B105 Introductory Psychology II (3 cr.)
biology
zoology

Mathematics and physical sciences

One course from one of the following subject areas (excluding courses used to satisfy other degree requirements):

R: Mathematics M118 or M119
astronomy
chemistry
geology
physics
mathematics
computer science
computer technology
or the following crosslisted courses:
Geography G107 Physical Geography (3 cr.)
Geography G109 Weather and Climate (3 cr.)
Geography G303 Weather, Climate, and Man (3 cr.)
Geography G304 Meteorology and Climatology (3 cr.)

General education electives

Two other courses selected from the subject areas listed above to meet the requirement of six general education courses.

Criminal Justice Concentration (Seven courses)

Introduction to Criminal Justice
One of the following courses:

SPEA J101 The American Criminal Justice System (3 cr.)
Criminal Justice P100 Introduction to Criminal Justice (3 cr.)

Criminal Law

One of the following courses:

SPEA J301 Criminal Law (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

Criminal Justice P370 Legal Aspects of Criminal Justice System I (3 cr.)

Crime and Deviance

One of the following courses:

SPEA J339 Crime and Public Policy (3 cr.)

Psychology P324 (B380) Abnormal Psychology (3 cr.)

Sociology R344 Juvenile Delinquency and Society (3 cr.)

Sociology R345 Crime and Society (3 cr.)

Sociology R346 Control of Crime (3 cr.)

Sociology S320 Deviant Behavior and Social Control (3 cr.)

Sociology S325 Criminology (3 cr.)

Sociology S328 Juvenile Delinquency (3 cr.)

Criminal Justice Electives

Four additional SPEA criminal justice or criminal justice courses (12 cr.)

Note: Criminal Justice indicates courses offered by the Department of Criminal Justice, College of Arts and Sciences, Bloomington. Courses listed as SPEA Criminal Justice (J) courses are offered by SPEA.

General Degree Program Electives

Sufficient additional courses to be added to meet the Associate of Science degree requirement of 60 credit hours.

Associate of Science in Public Affairs

The Associate of Science in Public Affairs requires 60 credit hours. It is offered at the Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), East (Richmond), and South Bend campuses. An area of concentration is required and is selected in consultation with an adviser. Major concentration areas available include criminal justice, emergency services administration, environmental affairs, public administration, and a specialized concentration. The availability of concentrations vary among campuses; therefore, students should be aware of the concentrations available on the campuses they plan to attend or are attending. Course numbers in parentheses

indicate corresponding IUPUI course numbers.

DEGREE REQUIREMENTS (60 credit hours)

Communications

(Three courses)

Writing

Both of the following courses:

English W131 Elementary Composition (3 cr.)

or equivalent campus approved option

English W231 Professional Writing (3 cr.) or

English W232 Introduction to Business

Writing (3 cr.) (Fort Wayne campus only)

Speech

One of the following courses:

Communications C104 Training the Speaking Voice (2 cr.)

Communications C110 Fundamentals of

Speech Communications (3 cr.)

Communications C114 Fundamentals of

Speech Communications (3 cr.)

Speech S121 Public Speaking (3 cr.)

Speech S122 (C180) Introduction to

Interpersonal Communications (2 cr.)

Speech S223 (C223) Business and Professional

Speaking (3 cr.)

Speech S228 (C227) Argumentation and

Debate (3 cr.)

Speech S229 (C228) Discussion and Group

Methods (3 cr.)

General Education

(Six courses)

Social Sciences (three courses)

The following two courses:

Economics E103 (E201) Introduction to

Microeconomics (3 cr.) or

Economics E104 (E202) Introduction to

Macroeconomics (3 cr.) and

Political Science (Y103) Introduction to

American Politics (3 cr.)

One course from sociology or psychology

Quantitative methods (two courses)

One of the following computer courses:

Business K201 Computer in Business (3 cr.)

Computer Science C201 Introduction to

Computer Programming (4 cr.)

Computer Science 206 Computer

Programming (3 cr.)

Computer Science 207 Computers in the

Social Sciences (3 cr.)

Computer Science 208 The Computer in

Business (3 cr.)

Computer Technology CIS106 Introduction to

Computer (3 cr.)

Computer Technology CIS107 Personal

Computers (3 cr.)

Other approved computer course

One mathematics course (excluding Mathematics for Teachers and Indiana University mathematics courses below the 100 level) R: Mathematics M118 Finite Mathematics (3 cr.) or M119 Survey of Calculus I (3 cr.)

Note: Environmental Affairs Concentration students should select a course in calculus to satisfy this requirement.

Arts and humanities

One course from one of the following subject areas (excluding courses used to satisfy other degree requirements):

R: History H105 or H106

Afro-American studies

classical studies

communication and theatre

comparative literature

English

fine arts

folklore

foreign languages and literature

history

history and philosophy of science

literature

musicology and music history

philosophy

religious studies

speech

theatre and drama

Uralic and Altaic studies

Public Affairs Core

(Four courses)

Both of the following courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA V264 Urban Structure and Policy (3 cr.)

One of the following three courses:

~~**SPEA E200 Environment and People (3 cr.)**~~

SPEA E262 Environment: Problems and

Prospects (3 cr.)

SPEA E300 Introduction to Environmental

Science (3 cr.)

One of the following courses:

SPEA V270 Survey of Administrative

Techniques (3 cr.)

SPEA V366 Managing Human Resources

(3 cr.)

Areas of Concentration

(Four—seven courses)

One concentration must be selected, declared, and made part of the student's academic record. All requirements for the concentration must be completed to meet the requirements for graduation.

The concentration areas available on each campus are as follows:

Bloomington - Indianapolis - Northwest - South Bend

criminal justice
 emergency services administration
 environmental affairs
 public administration

East (Richmond)

criminal justice
 public administration

Fort Wayne

criminal justice
 emergency services administration
 public administration

CRIMINAL JUSTICE CONCENTRATION (Five courses)

The Criminal Justice Concentration provides an introduction to law enforcement, correctional administration, and criminal law and procedure.

Requirements

Introduction to Criminal Justice

One of the following courses:

SPEA J101 The American Criminal Justice System (3 cr.)

Criminal Justice P100 Introduction to Criminal Justice (3 cr.)

Criminal Law

One of the following courses:

SPEA J301 Criminal Law (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

Criminal Justice P370 Legal Aspects of Criminal Justice System I (3 cr.)

Crime and Deviance

One of the following courses:

SPEA J339 Crime and Public Policy (3 cr.)

Psychology P324 (B380) Abnormal

Psychology (3 cr.)

Sociology R320 Deviant Behavior and Social Control (3 cr.)

Sociology R344 Juvenile Delinquency and Society (3 cr.)

Sociology R345 Crime and Society (3 cr.)

Sociology R346 Control of Crime (3 cr.)

Sociology S320 Deviance and Control (3 cr.)

Sociology S325 Criminology (3 cr.)

Sociology S328 Juvenile Delinquency (3 cr.)

Criminal Justice P460 Public Control of Deviant Behavior (3 cr.)

Criminal Justice Electives

Two additional SPEA Criminal Justice or Criminal Justice courses.

Note: Criminal Justice indicates courses offered by the Department of Criminal Justice, College of Arts and Sciences, Bloomington. Courses listed as SPEA

Criminal Justice (J) courses are offered by SPEA.

EMERGENCY SERVICES ADMINISTRATION CONCENTRATION

(Five courses)

The Emergency Services Administration Concentration provides an introduction to management and administrative techniques for application in emergency services organizations.

Requirements

The following course:

SPEA V375 Seminar in Emergency Services Administration (3 cr.)

Three of the following courses:

SPEA H320 Introduction to Health Administration (3 cr.)

SPEA K300 Statistical Techniques (3 cr.) or other approved courses.

SPEA V348 Management Science and Policy Analysis Methods (3 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

SPEA V373 Personnel Management in the Public Sector (3 cr.)

SPEA J376 Principles of Public Safety (3 cr.)

SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

In addition to the above requirements, students are required to complete successfully an approved administrative field experience of at least three credit hours. The field experience requirement may be satisfied through an internship or special project that must have an adviser's prior approval.

ENVIRONMENTAL AFFAIRS CONCENTRATION

(Seven courses)

The Environmental Affairs Concentration provides an introduction to environmental problems and options for their solutions.

Requirements

The following course:

SPEA V365 Urban Development and Planning (3 cr.)

One course from Chemistry or Physics (3-5 cr.)

One of the following courses that is not used to satisfy another requirement:

Geography G101 Introduction to Earth Science (3 cr.)

Geography G107 Physical Geography (3 cr.)

Geology G103 Earth Sciences: Materials and Processes (3 cr.)

Geology G110 The Earth's Environment (3 cr.)

Geology G111 Elements of Geology (3 cr.)

One of the following courses: *which is not taken for Soc Sci Right*
Economics E103 (E201) Introduction to Microeconomics (3 cr.)
Economics E104 (E202) Introduction to Macroeconomics (3 cr.)

Two of the following courses:

Biology L200 Environmental Biology (3 cr.)

Biology L350 Environmental Biology (3 cr.)

Biology K341 Principles of Ecology (5 cr.)

Geography G213 Introduction to Economic Geography (3 cr.)

Geography G304 Climatology (3 cr.)

Geography G306 The Geography of Current Issues (3 cr.)

Geology G300 Environmental and Urban Geology (3 cr.)

Geology G315 Environmental Conservation (3 cr.)

Geology G316 Mineral Resources (3 cr.)

Geology G415 Geomorphology (3 cr.)

Political Science Y313 Environmental Policy (3 cr.)

SPEA H316 Introduction to Environmental Health (3 cr.)

SPEA E431 Water Supply and Wastewater Treatment (3 cr.)

SPEA E451 Air Pollution and Control (3 cr.)

SPEA E452 Solid and Hazardous Waste Treatment (3 cr.)

One of the following courses:

Economics E270 Introduction to Statistical Theory in Economics and Business (3 cr.)

Mathematics/Psychology K310 Statistical Techniques (3 cr.)

Political Science Y205 Elements of Political Analysis (3 cr.)

Psychology B305 Statistics (3 cr.)

Sociology R359 Introduction to Sociological Statistics (3 cr.)

Sociology S250-S251 Methods and Statistics I and II (3-3 cr.)

SPEA/Mathematics/Psychology K300 Statistical Techniques (3 cr.)

Statistics 301 Elementary Statistical Methods I (3 cr.)

PUBLIC ADMINISTRATION CONCENTRATION

(Four courses)

The Public Administration Concentration provides an exposure to the primary areas of public administration for those currently employed or interested in the public service.

Requirements

Four of the following courses:

SPEA V260 Topics in Public Affairs (3 cr.) (Fort Wayne only)

SPEA H316 Introduction to Environmental Health (3 cr.)

SPEA V365 Urban Development and Planning (3 cr.) (Fort Wayne only)

SPEA V366 Managing Human Resources (3 cr.) (If not taken to meet Public Affairs core requirement)

SPEA V372 Financial Management and Budgeting (3 cr.)

SPEA V373 Personnel Management in the Public Sector (3 cr.)

SPEA V376 Law and Public Policy (3 cr.)

SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs approved topics (3 cr.) (South Bend campus only)

SPECIAL CONCENTRATION

(Minimum of four courses)

A special concentration of at least four courses may be developed to meet special career needs. This concentration must be approved by a faculty adviser and the campus or program director.

General degree program electives

Sufficient additional courses are required to complete the Associate of Science degree requirement of 60 credit hours.

Bachelor of Science Degree Programs

The School of Public and Environmental Affairs offers three bachelor of science degree programs. The Bachelor of Science in Public Affairs (B.S.P.A.) is offered at the Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), and South Bend campuses of Indiana University. The Bachelor of Science in Criminal Justice (B.S.C.J.) and the Bachelor of Science in Public Health (B.S.P.H.) are offered only at the Indianapolis campus at this time.

The Bachelor of Science in Criminal Justice degree prepares students for careers in the field of criminal justice. The general education requirements introduce the student to a wide variety of intellectual experiences with a special emphasis on the behavioral sciences, while the public affairs courses prepare the student for careers in the public sector. Students enrolled in this degree program must complete 30 credit hours in criminal justice courses and currently may specialize in law enforcement or corrections (including probation and parole). In addition, students are encouraged to earn a minor in a

related field. This degree program provides the student with enhanced access to entry level positions in criminal justice or an excellent preparation for advanced academic or professional degree programs.

The Bachelor of Science in Public Affairs is designed to provide the student with a liberal arts education and a professional orientation. The curriculum is broadly interdisciplinary and is intended as a background for citizenship participation in public affairs and as a foundation for a career in public service. Undergraduates with knowledge in a specific concentration area and a general background in public and environmental affairs will find entry-level employment enhanced by the professional orientation provided in this program. The curriculum, with its emphasis on the application of the liberal arts in a public sector setting, also provides a background for advanced academic study in a professional area such as law, city planning, or urban administration.

The Bachelor of Science in Public Health program prepares students for careers in environmental health, health administration, health policy and planning, mental health, health education, epidemiology, and occupational health and safety. The curriculum is broadly interdisciplinary and provides the student with a sound liberal arts background as well as an excellent professional foundation. The program's emphasis on environmental health is excellent preparation for individuals planning to attend medical, dental, or other related professional schools for graduate-level experience or advanced academic degrees.

GENERAL REQUIREMENTS

1. A minimum of 120 credit hours distributed to meet degree requirements with a cumulative grade-point average of 2.0 (C) for all course work completed is required.
2. A grade-point average of at least 2.3 (C+) must be attained in all course work completed to satisfy core and concentration requirements in the B.S.P.A. and B.S.P.H. and to satisfy the public affairs and policy and the criminal justice concentration of the B.S.C.J..
3. Applicable course work taken in a special student or nondegree status will be accepted toward meeting degree requirements.
4. Not more than 90 credit hours of transfer credit from another accredited institution may be applied toward this degree.

5. With permission of the School of Public and Environmental Affairs credit earned through correspondence study in the Division of Independent Study of Indiana University and/or by special credit examination may be applied toward this degree.
6. Courses taken to meet specific degree requirements cannot be used (double counted) to satisfy any other degree requirements.
7. Courses taken on the Pass/Fail Option can only be applied as electives in meeting degree requirements. In no case can more than eight Pass/Fail courses be used in meeting degree requirements.
8. Credit work for this degree can be completed at any campus of Indiana University.
9. All credit of candidates for degrees, except for the current semester/summer session, must be on record at least six weeks prior to the conferring of degrees.
10. An application for the Bachelor of Science degree must be filed with the SPEA Recorder or appropriate program office in accordance with the graduation procedure of the specific campus where the degree is to be awarded.

Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours and is offered at the Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), and the South Bend campuses. The program includes four main areas: general education; public affairs core; area of concentration; and general electives.

DEGREE REQUIREMENTS

(120 credit hours)

Note: The following degree requirements are applicable to all students admitted to Indiana University beginning with the fall semester 1984.

The general education and the public affairs core requirements of the B.S.P.A. are common, except for a few course numbers in the general education area, on the five campuses where the degree is offered. However, the availability of concentrations and their specific requirements vary among campuses. Therefore, the student should refer to the campus area of concentration section of this *Bulletin* for concentration availability and specific requirements. Course numbers in parentheses indicate corresponding IUPUI course numbers.

General Education

(17—19 courses)

Communications (three courses)

Both of the following writing courses:

English W131 Elementary Composition (3 cr.)

or equivalent campus option

English W231 Professional Writing Skills

(3 cr.) or

English W232 Introduction to Business

Writing (3 cr.) (Ft. Wayne campus only)

One of the following speech courses:

Communications 114 Fundamentals of

Speech Communications (3 cr.)

Communications C104 Training the Speaking

Voice (2 cr.)

Communications C110 Fundamentals of

Speech Communications (3 cr.)

Speech S121 Public Speaking (2 cr.)

Speech S122 (C180) Introduction to

Interpersonal Communication (2 cr.)

Speech S200 Introduction to Speech

Communications (3 cr.)

Speech S223 (C223) Business and Professional

Speaking (3 cr.)

Speech S228 (C227) Argumentation and

Debate (3 cr.)

Speech S229 (C228) Discussion and Group

Methods (3 cr.)

Arts and Humanities (four courses)

History H105 American History I (3 cr.)

History H106 American History II (3 cr.)

Two additional courses from the following subject areas (except courses taken to meet other degree requirements):

Afro-American studies

classical studies

communication and theater

comparative literature

English

fine arts

folklore

foreign languages and literatures

history

history and philosophy of science

literatures

musicology and music history

philosophy

religious studies

speech

theatre and drama

Uralic and Altaic Studies

Economics and Political Science (four courses)

Economics E103 (E201) Introduction to

Microeconomics (3 cr.)

Economics E104 (E202) Introduction to

Macroeconomics (3 cr.)

Economics E360 Public Finance: Survey (3 cr.)

Note: Public Financial Administration

Concentration students completing

Economics E361 and E362 need not take E360

Political Science Y103 Introduction to

American Politics (3 cr.)

Natural Sciences (two—four courses)

Minimum of 10 credit hours selected from at

least two of the following major areas:

Biology **L104**

Biology L100 Man and the Biological World

(5 cr.)

Biology L111 Diversity and Function (4 cr.)

Biology L112 Introduction to Biology (4 cr.)

Biology N100 Contemporary Biology (3 cr.)

Biology N107 Introduction to Zoology (3 cr.)

Biology 108 Biology of Plants (4 cr.)

Biology 109 Biology of Animals (4 cr.)

Biology 203 Biology of Man (3 cr.)

Chemistry

Chemistry C101 Elementary Chemistry I

(3 cr.)

Chemistry C121 Elementary Chemistry

Laboratory I (2 cr.)

Chemistry C102 Elementary Chemistry II

(3 cr.)

Chemistry C122 Elementary Laboratory II

(2 cr.)

Chemistry C105 Principles of Chemistry I

(3 cr.)

Chemistry C125 Experimental Chemistry I

(2 cr.)

Chemistry 111 General Chemistry (3 cr.)

Chemistry 112 General Chemistry (3 cr.)

Chemistry 115 General Chemistry (3 cr.)

Chemistry 116 General Chemistry (3 cr.)

Earth Sciences

Geography G107 Physical Systems of the

Environment (3 cr.)

Geography G109 Weather and Climate (3 cr.)

Geology G101 General Geology (3-5 cr.)

Geology G101 Introduction to Earth Science

(3 cr.)

Geology G103 Earth Science - Materials and

Processes (3 cr.)

Geology G104 Earth Science - Evolution of

the Earth (3 cr.)

Geology G107 Resources and Man (3 cr.)

Geology G109 Evolution of the Earth (3 cr.)

Geology G110 The Earth's Environment

(3 cr.)

Geology G111 Elements of Geology I (3 cr.)

Geology G112 Elements of Geology II (3 cr.)

Physics

Physics P101 Physics in the Modern World

(4 cr.)

Physics P120 Energy and Technology (3 cr.)

or E250 The Environment and Physics

(3 cr.)

Physics P200 Our Physical Environment

(3 cr.)

Physics P201 General Physics I (5 cr.)

Physics P218 General Physics (4 cr.)

Physics 100 Physics in the Modern World

(5 cr.)

Physics 131 Concepts in Physics I (3 cr.)

Physics 132 Concepts in Physics II (3 cr.)

Quantitative Methods (four courses)

One of the following computer courses:

Business K201 Computer in Business (3 cr.)

Computer Science C106 Introduction to

Computers and their Use (3 cr.)

Computer Science C201 Introduction to

Computer Programming (4 cr.)

Computer Science 201 Computer for

Humanities (3 cr.)

Computer Science 206 Computer

Programming (3 cr.)

Computer Science 207 Computers in the

Social Sciences (3 cr.)

Computer Science 208 The Computer in

Business (3 cr.)

Computer Technology CPT115 Introduction

to Data Processing (3 cr.) and Computer

Technology CPT140 Introduction to

Computer Lab I (1 cr.)

Computer Technology CIS 106 Introduction

to Computers (3 cr.)

Computer Technology CIS 107 Personal

Computers (3 cr.)

Two of the following mathematics courses:

M119, M215, MA163 or MA164 must be

taken as one of the two mathematics

courses to meet the Bloomington or

Indianapolis SPEA mathematics

requirements.

Mathematics M118 Finite Mathematics (3 cr.)

Mathematics M125 Pre-Calculus Mathematics

(3 cr.)

Mathematics M119 Survey of Calculus I

(3 cr.)

Mathematics M215 Analytic Geometry and

Calculus I (5 cr.)

Mathematics MA123 Elementary Concepts of

Mathematics I (3 cr.)

Mathematics MA163 Integrated Calculus and

Analytic Geometry I (5 cr.)

Mathematics MA164 Integrated Calculus and

Analytic Geometry 2 (5 cr.)

Mathematics MA213 Finite Mathematics I

(3 cr.)

Mathematics MA215 Finite Mathematics for

Computing (3 cr.)

One of the following statistics courses:

Economics E270 Introduction to Statistical

Theory in Economics and Business (3 cr.)

Mathematic/psychology K310 Statistical

Techniques (3 cr.)

Psychology B305 Statistics (3 cr.)

Psychology P301 Introduction to Quantitative Topics in Psychology (3 cr.)
 Sociology R359 Introduction to Sociology Statistics (3 cr.) (1)
 Sociology S250-S251 Methods and Statistics I-II (3-3 cr.)
 SPEA/Mathematics/Psychology K300 Statistical Techniques (3 cr.)
 Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Affairs Core (Eight courses)

The following public affairs courses:
 SPEA V170 Introduction to Public Affairs (3 cr.)
 SPEA V264 Urban Structure and Policy (3 cr.)
 SPEA E300 Introduction to Environmental Science (3 cr.)
 SPEA V348 Management Science and Policy Analysis Methods (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)
 SPEA V366 Managing Human Resources (3 cr.)
 SPEA V372 Financial Management and Budgeting (3 cr.)
 SPEA V376 Law and Public Policy (3 cr.)

General Electives

Sufficient number of additional courses are required to meet the Bachelor of Science degree requirement of 120 credit hours.

Areas of Concentration

(Minimum of six courses)

The areas of concentration are designed to provide an educational experience in an area of specific interest and each requires six or more courses. One concentration must be selected, declared, and made a part of the student's academic record. A second concentration may be selected and also be made part of the student's academic record. However, all courses taken to meet the requirements of each concentration must be independent of any other concentration or degree requirements.

Refer to the appropriate campus areas of concentration in the following section of this *Bulletin* for concentration availability and specific concentration requirements.

Bloomington Areas of Concentration

(Minimum of six courses)

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Bloomington campus include:

Criminal Justice
 Environmental Science
 Management
 Policy
 Public Financial Administration
 Transportation
 Urban Management and Policy

CRIMINAL JUSTICE CONCENTRATION (Seven courses)

This concentration offers a variety of courses for students interested in law enforcement, correctional administration, and the study of legal procedures in the criminal justice system. This field of study provides a framework for those interested in graduate study in law or public administration and careers in the public sector.

Requirements

One of the following two introductory criminal justice courses:
 Criminal Justice P100 Introduction to Criminal Justice (3 cr.)
 SPEA J101 The American Criminal Justice System (3 cr.)

One of the following five criminal law courses:
 Criminal Justice P370 Legal Aspects of Criminal Justice Systems I (3 cr.)
 Criminal Justice P371 Legal Aspects of Criminal Justice Systems II (3 cr.)
 SPEA J301 Criminal Law (3 cr.)
 SPEA J302 Criminal Law Administration (3 cr.)
 SPEA J401 Criminal Law Procedure (3 cr.)

One of the following five crime and deviance courses:
 Criminal Justice P460 Public Control of Deviant Behavior (3 cr.)
 Psychology P324 Abnormal Psychology (3 cr.)
 Sociology S320 Deviance and Control (3 cr.)
 Sociology S325 Criminology (3 cr.)
 SPEA J339 Crime and Public Policy (3 cr.)

One of the following three law enforcement courses:
 Criminal Justice P301 Police in Contemporary Society (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA J360 Urban Crime: Police and Their Clients (3 cr.)

One of the following three corrections courses:
 Criminal Justice P303 Corrections and Criminal Justice (3 cr.)
 SPEA J331 Introduction to Corrections (3 cr.)
 SPEA J345 Trends in Corrections (3 cr.)

Two additional criminal justice courses at the 300-400 level.

Note: Criminal Justice indicates courses offered by the Department of Criminal Justice, College of Arts and Sciences, Bloomington. Courses listed as SPEA Criminal Justice (J) courses are offered by SPEA.

ENVIRONMENTAL SCIENCE CONCENTRATION (Thirteen courses)

The Environmental Science Concentration is a multidisciplinary study of the nature, origin, and options for solutions of environmental problems with emphasis on their implications for public administration and policy. This concentration also provides excellent preparation for advanced studies in the sciences and medicine. Students interested in pursuing advanced degrees in the physical sciences or in medicine or dentistry are advised to select Chemistry Sequence A. Chemistry Sequence B provides a broad base of chemical knowledge but is not an acceptable set of prerequisites for more advanced chemistry courses such as C341 Organic Chemistry. The selection of two semesters of organic chemistry and an additional semester of physics as electives will meet the entrance requirements of most medical schools.

Requirements

A total of 12 credit hours selected from the courses listed below may also be used to meet the natural science component of the general education requirements.

The following six courses:
 Biology L111 Diversity and Function (4 cr.) or
 Biology L112 Introduction to Biology (4 cr.)
 Geology G111 Elements of Geology I (3 cr.)
 Physics P201 General Physics I (5 cr.)
 Political Science Y313 Environmental Policy (3 cr.)
 SPEA E326 Mathematical Methods for Environmental Science (3 cr.)
 SPEA E475 Techniques in Environmental Science (3 cr.)

One of the following four-course Chemistry sequences:

- A. Chemistry C105 Principles of Chemistry (3 cr.)
 Chemistry C125 Experimental Chemistry I (2 cr.)
 Chemistry C106 Quantitative Chemistry (3 cr.)
 Chemistry C126 Experimental Chemistry II (2 cr.)
- B. Chemistry C101 Elementary Chemistry I (3 cr.)
 Chemistry C121 Elementary Chemistry Laboratory I (2 cr.)

Chemistry C102 Elementary Chemistry II (3 cr.)
 Chemistry C122 Elementary Chemistry Laboratory II (2 cr.)

A minimum of nine credit hours selected from the following courses. Students should be aware that certain of these courses have prerequisites and then should consult with a faculty member about the best selection of courses to meet individual educational objectives. With permission appropriately selected graduate level courses may also be used.
 Biology B364 Summer Flowering Plants (5 cr.)
 Biology L350 Environmental Biology (3 cr.)
 Biology L465 Advanced Field Biology (3 cr.)
 Biology L473 Ecology (3 cr.)
 Biology L479 Evolution and Ecology (4 cr.)
 Biology M310 Microbiology (3 cr.)
 Biology M315 Microbiology Laboratory (2 cr.)
 Biology M420 Environmental Microbiology (3 cr.)
 Biology Z406 Vertebrate Zoology (5 cr.)
 Biology Z468 Limnology (4 cr.)
 Chemistry C317 Analytic Chemistry (3 cr.)
 Chemistry C341 Organic Chemistry (3 cr.)
 Chemistry C342 Organic Chemistry II (3 cr.)
 Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
 Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
 Chemistry C430 Inorganic Chemistry (3 cr.)
 Chemistry C483 Biological Chemistry (3 cr.)
 Geography G304 Meteorology and Climatology (3 cr.)
 Geography G335 Photogrammetry and Remote Sensing (3 cr.)
 Geography G336 Environmental Remote Sensing (3 cr.)
 Geography G405 Hydroclimatology (3 cr.)
 Geography G407 Advanced Physical Geography (3 cr.)
 Geography G435 Cartography and Graphics (3 cr.)
 Geography G477 Advanced Climatology and Meteorology (3 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Geology G316 Mineral Resources (3 cr.)
 Geology G319 Elementary Field Geology (2 cr.)
 Geology G323 Structural Geology (3 cr.)
 Geology G334 Principles of Sedimentology and Stratigraphy (3 cr.)
 Geology G400 Energy: Sources and Needs (3 cr.)
 Geology G406 Introduction to Geochemistry (3 cr.)
 Geology G415 Principles of Geomorphology (3 cr.)
 Geology G416 Economic Geology (3 cr.)

Geology G451 Principles of Hydrogeology (3 cr.)
 Medical Sciences P215 Basic Mammalian Physiology (3 cr.)
 Medical Sciences P416 Comparative Animal Physiology (3 cr.)
 Medical Sciences P418 Laboratory in Comparative Animal Physiology (2 cr.)
 Physics P202 General Physics II (5 cr.)
 Physics P310 Environmental Physics (3 cr.)
 Physics P320 Introduction to Biophysics (3 cr.)
 SPEA E400 Topics in Environmental Studies (3 cr.)
 SPEA E410 Environmental Toxicology (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
 SPEA E440 Wetlands: Biology and Regulation (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)
 SPEA E452 Solid and Hazardous Waste Management (3 cr.)
 SPEA E460 Fisheries and Wildlife Management (3 cr.)
 SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)
 SPEA H316 Introduction to Environmental Health (3 cr.)
 SPEA H322 Epidemiology (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA H460 Environmental Health Instrumentation (3 cr.)

MANAGEMENT CONCENTRATION (Seven courses)

The SPEA management concentration provides a broad understanding of general management. It combines behavioral and management science approaches with substantive knowledge in particular skill areas, as well as providing opportunities to understand and apply specific managerial tasks and processes. Students completing this concentration will be prepared for entry level positions in line management or various management support positions in public, quasi-public, or private sector organizations. This concentration also provides adequate preparation for graduate work in business and public affairs.

Requirements

All of the following five courses:

SPEA V368 Managing Government Operations (3 cr.)
 SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Topics in Fiscal Management or V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

Two of the following courses not taken to satisfy other degree or concentration requirements (students should be aware that prerequisites are required for some of the following listed courses):

Business K320 Decision Making Under Uncertainty (3 cr.)
 Business M300 Introduction to Marketing (3 cr.)
 Business P421 Operations Planning and Control (3 cr.)
 Business P429 Operations Systems Design and Productivity (3 cr.)
 Business T405 Traffic and Physical Distribution Management (3 cr.)
 Business T415 Mass Transit Management (3 cr.)
 Business U300 Principles of Public Utilities (3 cr.)
 Business U405 Public Utility Management (3 cr.)
 Business Z302 Managing and Behavior in Organizations (3 cr.)
 Business Z440 Personnel - Human Resource Management (3 cr.)
 Economics E340 Introduction to Labor Economics (3 cr.)
 Economics E385 Economics of Industry (3 cr.)
 Economics E485 Social Control of Industry (3 cr.)
 SPEA V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 SPEA V435 Employment Discrimination Law (3 cr.)
 SPEA V444 Public Administrative Organization (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
 SPEA V457 Management Science in the Public Sector (3 cr.)
 SPEA V462 Public Management (3 cr.)

POLICY CONCENTRATION (Seven courses)

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also

provides preparation for graduate work in law, policy, or management.

Requirements

The following two courses:

SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V472 Policy Processes in the U.S. (3 cr.)

Five of the following courses:

Business G406 Business Enterprise and Public Policy (3 cr.)
 Business G409 Business Conditions and Public Policy (3 cr.)
 Business J404 Business and Society (3 cr.)
 Business T315 Urban Transportation and Public Policy (3 cr.)
 Economics E345 Social Welfare Policy (3 cr.)
 Economics E348 Economics of Human Resources (3 cr.)
 Economics E424 Welfare, Justice, and Freedom (3 cr.)
 Economics E446 Public Policy in Labor Relations (3 cr.)
 Economics E463 Environment and Resource Economics (3 cr.)
 Economics E485 Social Control of Industry (3 cr.)
 Political Science Y311 National Security in a Democratic Polity (3 cr.)
 Political Science Y313 Environmental Policy (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y391 Political Decision Making (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S315 The Sociology of Work (3 cr.)
 Sociology S360 Topics in Social Policy (3 cr.)
 Sociology S461 Urban Sociology (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs: Approved Public Policy Topics (3 cr.)

PUBLIC FINANCIAL ADMINISTRATION CONCENTRATION (Seven courses)

The Public Financial Administration Concentration is intended for students who are interested in a career in public sector financial management and budgeting or graduate study.

Requirements

All of the following five courses:

Economics E321 Theory of Prices and Markets (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V442 Topics in Fiscal Administration (3 cr.)
 Economics E361 Public Finance: Government Spending (3 cr.)
 Economics E362 Public Finance: Taxation (E361 and E362 substitute for E360 in the Economics and Political Science General Education Requirement.)

One of the following two courses:

Business A335 Fund Accounting (3 cr.)
 SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

One of the following two courses:

Economics E322 Theory of Income and Employment (3 cr.)
 Economics E350 Money and Banking (3 cr.)

TRANSPORTATION CONCENTRATION (Six courses)

The Transportation Concentration prepares a student for a career in the transportation industry or for graduate studies. Students may focus their studies in any of several areas of public or private sector transportation.

Requirements

One of the following two courses:

Business T300 Principles of Transportation (3 cr.)
 Geography G302 Introduction to Transportation Analysis (3 cr.)

All of the following four courses:

Business T410 Cost, Demand and Pricing in Transportation (3 cr.)
 Economics E321 Theory of Prices and Markets (3 cr.)
 Geography G412 Urban Transportation Analysis (3 cr.)
 SPEA V422 Transportation Policy Analysis (3 cr.)

One of the following courses (two courses are recommended):

Business T315 Urban Transportation and Public Policy (3 cr.)
 Business T405 Traffic and Physical Distribution (3 cr.)
 Business T413 Transportation Management Cases and Problems (3 cr.)

Business T415 Mass Transit Management (3 cr.)
 Geography G402 Transportation Modeling (3 cr.)
 Geography G414 Regional Transport Systems (3 cr.)
 Geography G430 Topics in Transportation (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 Seniors will be required to attend an Urban Mass Transportation Colloquium.

URBAN MANAGEMENT AND POLICY CONCENTRATION (Seven courses)

Students completing this concentration will attain knowledge and skills relating to land use planning, housing and zoning issues, city and local government management, problems of delivering urban services, and the role of urban policy setting in urban management. This is also an excellent concentration for students planning to go into professional graduate programs in public administration, law, public policy, urban and regional planning, urban management, social work, and regional economic development programming.

Requirements

The following two urban theory courses:
 Economics E321 Theory of Prices and Markets (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 Two of the following urban services and infrastructure courses:
 Business R300 Principles of Real Estate (3 cr.)
 Business T315 Urban Transportation and Public Policy (3 cr.)
 Business T415 Mass Transit Management (3 cr.)
 Geography G302 Transportation Geography (3 cr.)
 Geography G402 Transportation Analysis (3 cr.)
 Geography G412 Urban Transportation (3 cr.)
 Geography G415 Advanced Urban Geography (3 cr.)
 Geography G417 Land Use Analysis (3 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA V422 Transportation Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (Approved Topics) (3 cr.)
 Two of the following urban administration courses:

The following course:
 SPEA V340 Urban Government Administration (3 cr.) and

One of the following four courses:
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V442 Topics in Fiscal Management (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V471 Urban Management Systems (3 cr.)

One of the following three urban applications courses not used to satisfy other degree or concentration requirements:

Geography G417 Land Use Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topics)
 SPEA V471 Urban Management Systems (3 cr.)

Indianapolis Areas of Concentration

(Minimum of six courses)

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Indianapolis campus include:

Criminal Justice
 Environmental Science
 Management
 Policy
 Public Financial Administration
 Urban Management and Policy

CRIMINAL JUSTICE CONCENTRATION (Seven courses)

This concentration offers a variety of courses for students interested in law enforcement, correctional administration, and the study of legal procedures in the criminal justice system. This field of study provides a framework for those interested in graduate study in law or public administration and careers in the public sector.

Requirements

The following introductory criminal justice course:
 SPEA J101 The American Criminal Justice System (3 cr.)
 One of the following three criminal law courses:
 SPEA J301 Criminal Law (3 cr.)
 SPEA J302 Criminal Law Administration (3 cr.)
 SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following five crime or deviance courses:

Psychology B380 Abnormal Psychology (3 cr.)
 Sociology R344 Juvenile Delinquency and Society (3 cr.)
 Sociology R345 Crime and Society (3 cr.)
 Sociology R346 Control of Crime (3 cr.)
 SPEA J339 Crime and Public Policy (3 cr.)

One of the following two law enforcement courses:
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA J360 Urban Crime: Police and their Clients (3 cr.)

One of the following two corrections courses:
 SPEA J331 Introduction to Corrections (3 cr.)
 SPEA J345 Trends in Correction (3 cr.)

Two additional criminal justice courses at the 300-400 level.

ENVIRONMENTAL SCIENCE CONCENTRATION (Ten-eleven courses)

The Environmental Science Concentration is a multi-disciplinary study of the nature, origin, and options for solutions for environmental problems with emphasis on their implications for public administration and policy. This concentration also provides excellent preparation for advanced studies in the sciences and medicine. Students interested in pursuing advanced degrees in the physical sciences or in medicine or dentistry are advised to select Chemistry Sequence A. Chemistry Sequence B provides a broad base of chemical knowledge, but is not an acceptable set of prerequisites for more advanced chemistry courses such as C341 Organic Chemistry. The selection of two semesters of organic chemistry and an additional semester of physics as electives will meet the entrance requirements of most medical schools.

Requirements

A total of 12 credit hours selected from the courses listed below may also be used to meet the natural science component of the general education requirements.

The following six courses:

Biology N107 Introduction to Zoology (4 cr.)
 Geology G110 The Earth's Environment (3 cr.)
 Physics P218 General Physics (5 cr.)
 SPEA E326 Mathematical Methods for Environmental Science (3 cr.)
 SPEA E475 Techniques in Environmental Science (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)

One of the following two-course chemistry sequences:

Chemistry C105 Principles of Chemistry (5 cr.)
 Chemistry C106 Quantitative Chemistry (5 cr.)
 Chemistry C101 Elementary Chemistry I (5 cr.)
 Chemistry C102 Elementary Chemistry II (5 cr.)

A minimum of nine credit hours selected from the following courses. Students should be aware that certain of these courses have prerequisites and should consult with a faculty member about the best selection of courses to meet individual educational objectives. With permission, appropriately selected graduate level courses may also be used.

Biology K341 Principles of Ecology (5 cr.)
 Biology K255 Invertebrate Zoology (4 cr.)
 Biology K355 Entomology (4 cr.)
 Biology N217 Human Physiology (5 cr.)
 Biology N251 Microbiology (3 cr.)
 Biology N261 Human Anatomy (5 cr.)
 Chemistry C310 Analytical Chemistry (3 cr.)
 Chemistry C341 Organic Chemistry (3 cr.)
 Chemistry C342 Organic Chemistry II (3 cr.)
 Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
 Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
 Chemistry C430 Inorganic Chemistry (3 cr.)
 Chemistry C483 Biological Chemistry (3 cr.)
 Geography G303 Weather, Climate, and Man (3 cr.)
 Geography G307 Biogeography (3 cr.)
 Geography G315 Environmental Conservation (3 cr.)
 Geography G335 Photogrammetry and Remote Sensing (3 cr.)
 Geography G435 Cartography and Graphics (3 cr.)
 Geology G206 Physical Geology Lab (1 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Geology G303 Geologic Mapping and Air Photo Interpretation (4 cr.)
 Geology G323 Structural Geology (3 cr.)
 Geology G334 Principles of Sedimentology and Stratigraphy (3 cr.)
 Geology G406 Introduction to Geochemistry (3 cr.)
 Geology G415 Principles of Geomorphology (3 cr.)
 Geology G416 Economic Geology (3 cr.)
 Geology G451 Principles of Hydrogeology (3 cr.)
 Physics 219 General Physics (4 cr.)
 SPEA E410 Environmental Toxicology (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)

SPEA E452 Solid and Hazardous Waste Management (3 cr.)
 SPEA H316 Introduction to Environmental Health (3 cr.)
 SPEA H322 Epidemiology (3 cr.)
 SPEA H460 Environmental Health Instrumentation (3 cr.)

Courses offered by the Holcomb Research Institute, Butler University through a consortium arrangement with Indiana University-Purdue University Indianapolis:
 Biology BO410 Indiana Flowering Plants (3 cr.)
 Chemistry CH465 Environmental Chemistry (3 cr.)
 Physics PH219 Energy and Our Environment (3 cr.)
 Physics BN401 Fundamentals of Radioactivity (3 cr.)
 Zoology ZO418 Principles of Natural Resources Management
 Zoology ZO315 Limnology (3 cr.)

MANAGEMENT CONCENTRATION (Seven courses)

The SPEA management concentration provides a broad understanding of general management. It combines behavioral and management science approaches with substantive knowledge in particular skill areas, and provides opportunities to understand and apply specific managerial tasks and processes. Students completing this concentration will be prepared for entry-level positions in line management or various management support positions in public, quasi-public, or private sector organizations. This concentration also provides adequate preparation for graduate work in business and public affairs.

Requirements

All of the following five courses:
 SPEA V368 Managing Government Operations (3 cr.)

SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Topics in Fiscal Administration (3 cr.) or
 V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

Two of the following courses not taken to satisfy other degree or concentration requirements:

Business T405 Traffic and Physical Distribution Management (3 cr.)

Business U300 Principles of Public Utilities (3 cr.)
 Business Z440 Personnel - Human Resource Management (3 cr.)
 Economics E340 Introduction to Labor Economics (3 cr.)
 Economics E385 Economics of Industry (3 cr.)
 Economics E465 Social Control of Industry (3 cr.)
 SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 SPEA V435 Employment Discrimination Law (3 cr.)
 SPEA V442 Topics in Fiscal Administration (3 cr.)
 SPEA V444 Public Administrative Organization (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved topic)
 SPEA V457 Management Science in the Public Sector (3 cr.)
 SPEA V461 Computer Applications in Public Affairs (3 cr.)
 SPEA V462 Public Management (3 cr.)

POLICY CONCENTRATION (Seven courses)

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also provides preparation for graduate work in law, policy, or management.

Requirements

The following two courses:
 SPEA V449 Applied Policy Analysis
 SPEA V472 Policy Processes in the U.S. (3 cr.)

Five of the following courses:

Economics E485 Social Control of Industry (3 cr.)
 Political Science Y311 National Security in a Democratic Polity (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology R317 Sociology of Work (3 cr.)
 Sociology R329 Urban Sociology (3 cr.)

Sociology R330 Community (3 cr.)
 Sociology R495 Topics in Sociology (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA J321 Introduction to Law Enforcement (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs: Approved Public Policy Topics (3 cr.)

PUBLIC FINANCIAL ADMINISTRATION CONCENTRATION

(Six courses)

The public financial administration concentration is intended for students who are interested in a career in public sector financial management and budgeting or graduate study.

Requirements

All of the following three courses:
 Economics E321 Theory of Prices and Markets (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V442 Topics in Fiscal Administration (3 cr.)

One of the following two courses:
 Economics E307 Current Economic Issues (3 cr.)
 Economics E406 Undergraduate Seminar in Economics (3 cr.)

One of the following two courses:
 Business A335 Fund Accounting (3 cr.)
 SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

One of the following two courses:
 Economics E322 Theory of Income and Employment (3 cr.)
 Economics E350 Money and Banking (3 cr.)

URBAN MANAGEMENT AND POLICY CONCENTRATION

(Seven courses)

Students completing this concentration will attain knowledge and skills relating to land use planning, housing and zoning issues, city and local government management, problems of delivering urban services, and the role of urban policy setting in urban management. This is also an excellent

concentration for students planning to go into professional graduate programs in public administration, law, public policy, urban and regional planning, urban management, social work, and regional economic development programming.

Requirements

The following two urban theory courses:
 The following course:

SPEA V421 Metropolitan Development (3 cr.) and

One of the following nine courses:

Anthropology E380 Urban Anthropology (3 cr.)

Architecture Z10 History of Architecture (3 cr.)

Economics E323 Urban Economics (3 cr.)

Geography G318 Geography of Cities and Metropolitan Areas (3 cr.)

Geography G319 The Internal Structure of the City (3 cr.)

History A347 American Urban History (3 cr.)

Political Science Y308 Urban Politics (3 cr.)

Sociology R329 Urban Sociology (3 cr.)

Sociology R330 Community (3 cr.)

Two of the following urban services and infrastructure courses:

Architecture I65 Building Systems and Materials (3 cr.)

Business L408 Real Estate Law (3 cr.)

Business E300 Real Estate (3 cr.)

Business R440 Real Estate Appraisal (3 cr.)

Business T300 Principles of Transportation (3 cr.)

Social Work S352 Social Work Delivery Systems (3 cr.)

SPEA E431 Water Supply and Wastewater Treatment (3 cr.)

SPEA E451 Air Pollution and Control (3 cr.)

SPEA E452 Solid and Hazardous Waste Management (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA J101 American Criminal Justice System (3 cr.)

SPEA J321 Introduction to American Law Enforcement (3 cr.)

SPEA J331 Introduction to Corrections (3 cr.)

SPEA V375 Emergency Services Administration (3 cr.)

Two of the following three urban administration courses:

SPEA V340 Urban Administration (3 cr.)

SPEA V368 Managing Government Operations (3 cr.)

SPEA V468 Research Methods in Applied Social Sciences (3 cr.)

One of the following two urban applications courses:

SPEA V450 Contemporary Issues in Public Affairs (Approved topic) (3 cr.)
 SPEA V471 Urban Management Systems (3 cr.)

Fort Wayne Areas of Concentration (Minimum of six courses)

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Fort Wayne campus include:

Criminal Justice
 Management
 Policy
 Urban Management and Policy

CRIMINAL JUSTICE CONCENTRATION (Seven courses)

This concentration offers a variety of courses for students interested in law enforcement, correctional administration, and the study of legal procedures in the criminal justice system. This field of study provides a framework for those interested in graduate study in law or public administration and careers in the public sector.

Requirements

The following introductory criminal justice course:

SPEA J101 The American Criminal Justice System (3 cr.)

One of the following three criminal law courses:

SPEA J301 Criminal Law (3 cr.)
 SPEA J302 Criminal Law Administration (3 cr.)
 SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following crime or deviance courses:

Psychology PSY350 Abnormal Psychology (3 cr.)
 Sociology S320 Deviant Behavior and Social Control (3 cr.)
 Sociology S325 Criminology (3 cr.)
 Sociology S328 Juvenile Delinquency (3 cr.)
 SPEA J339 Crime and Public Policy (3 cr.)

One of the following two law enforcement courses:

SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA J360 Urban Crime: Police and Their Clients (3 cr.)

One of the following two corrections courses:
 SPEA J331 Introduction to Corrections (3 cr.)
 SPEA J345 Trends in Correction (3 cr.)

Two additional criminal justice courses at the 300-400 level

MANAGEMENT CONCENTRATION (Seven courses)

The SPEA management concentration provides a broad understanding of general management. It combines behavioral and management science approaches with substantive knowledge in particular skill areas, and provides opportunities to understand and apply specific managerial tasks and processes. Students completing this concentration will be prepared for entry-level positions in line management or various management support positions in public, quasi-public, or private sector organizations. This concentration also provides adequate preparation for graduate work in business and public affairs.

Requirements

All of the following five courses:

SPEA V368 Managing Government Operations (3 cr.)
 SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Topics in Fiscal Management (3 cr.) or
 V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

Two of the following courses not taken to satisfy another degree or concentration requirement:

Business P421 Operations Planning and Control (3 cr.)
 Business P429 Operations Systems Design and Productivity (3 cr.)
 Business Z440 Personnel - Human Resource Management (3 cr.)
 Economics E340 Introduction to Labor Economics (3 cr.)
 Economics E385 Economics of Industry (3 cr.)
 SPEA V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 SPEA V435 Employment Discrimination Law (3 cr.)
 SPEA V442 Topics in Fiscal Management (3 cr.)
 SPEA V444 Public Administrative Organization (3 cr.)
 SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
 SPEA V457 Management Science in the Public Sector (3 cr.)

SPEA V461 Computer Applications in the Public Sector (3 cr.)
 SPEA V462 Public Management (3 cr.)

POLICY CONCENTRATION (Seven courses)

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also provides preparation for graduate work in law, policy, or management.

Requirements

The following two courses:

SPEA V449 Applied Policy Analysis
 SPEA V472 Policy Processes in the U.S. (3 cr.)

Five of the following courses:

Political Science Y311 National Security in a Democratic Polity (3 cr.)
 Political Science Y313 Environmental Policy (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S315 The Sociology of Work (3 cr.)
 Sociology S360 Topics in Social Policy (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs: (3 cr.) Approved Public Policy Topics

URBAN MANAGEMENT AND POLICY CONCENTRATION (Seven courses)

Students completing this concentration will attain knowledge and skills relating to land use planning, housing and zoning issues, city and local government management, problems of delivering urban services, and the role of urban policy setting in urban

management. This is also an excellent concentration for students planning to go into professional graduate programs in public administration, law, public policy, urban and regional planning, urban management, social work, and regional economic development programming.

Requirements

The following course:

SPEA V421 Metropolitan Development (3 cr.)

One of the following five courses:

Anthropology E380 Urban Anthropology (3 cr.)
 Economics E323 Urban Economics (3 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S403 Industry, Labor, and Community (3 cr.)

Two of the following urban services and infrastructure courses:

Architectural Technology ARET354 Principles of Land Use (3 cr.)
 Architectural Technology ARET355 Techniques of Land Utilization (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)
 SPEA E452 Solid and Hazardous Waste Management (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J101 American Criminal Justice System (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA J331 Introduction to Corrections (3 cr.)
 SPEA V375 Emergency Services Administration (3 cr.)

Two of the following three urban administration courses:

SPEA V340 Urban Administration (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)

One of the following two urban applications courses:

SPEA V450 Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)
 SPEA V471 Urban Management Systems (3 cr.)

Northwest Areas of Concentration (Minimum of six courses)

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Northwest campus include:

Criminal Justice
Management
Policy
Public Financial Management
Urban Management and Policy

CRIMINAL JUSTICE CONCENTRATION (Seven courses)

This concentration offers a variety of courses for students interested in law enforcement, correctional administration, and the study of legal procedures in the criminal justice system. This field of study provides a framework for those interested in graduate study in law or public administration and careers in the public sector.

Requirements

The following introductory criminal justice course:

SPEA J101 The American Criminal Justice System (3 cr.)

One of the following three criminal law courses:

SPEA J301 Criminal Law (3 cr.)

SPEA J302 Criminal Law Administration (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following four crime or deviance courses:

Psychology P324 Abnormal Psychology (3 cr.)

Sociology S320 Deviant Behavior and Social Control (3 cr.)

Sociology S325 Criminology (3 cr.)

Sociology S328 Juvenile Delinquency (3 cr.)

SPEA J339 Crime and Public Policy (3 cr.)

One of the following two law enforcement courses:

SPEA J321 Introduction to American Law Enforcement (3 cr.)

SPEA J360 Urban Crime: Police and Their Clients (3 cr.)

One of the following two corrections courses:

SPEA J331 Introduction to Corrections (3 cr.)

SPEA J345 Trends in Corrections (3 cr.)

Two additional criminal justice courses at the 300-400 level

MANAGEMENT CONCENTRATION (Seven courses)

The SPEA management concentration provides a broad understanding of general management. It combines behavioral and management science approaches with substantive knowledge in particular skill areas, and provides opportunities to understand and apply specific managerial tasks and processes. Students completing

this concentration will be prepared for entry-level positions in line management or various management support positions in public, quasi-public, or private sector organizations. This concentration also provides adequate preparation for graduate work in business and public affairs.

Requirements

All of the following five courses:

SPEA V366 Managing Government Operations (3 cr.)

SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)

SPEA V442 Topics in Fiscal Management (3 cr.) or V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

SPEA V468 Research Methods in Applied Social Science (3 cr.)

SPEA V473 Management Applications: Seminar (3 cr.)

Two of the following courses not taken to satisfy other degree or concentration requirements:

Business M301 Introduction to Marketing Management (3 cr.)

Business P421 Analysis of Industrial Operations (3 cr.)

Business Z301 Organizational Behavior and Leadership (3 cr.)

Business Z440 Personnel - Human Resource Management (3 cr.)

Economics E340 Introduction to Labor Economics (3 cr.)

Economics E485 Social Control of Industry (3 cr.)

SPEA H320 Introduction to Health Administration (3 cr.)

SPEA V340 Urban Government Administration (3 cr.)

SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

SPEA V373 Personnel Management in the Public Sector (3 cr.)

SPEA V375 Emergency Services Administration (3 cr.)

SPEA V377 Legal Processes and Contemporary Issues in America (3 cr.)

SPEA V432 Labor Relations in the Public Sector (3 cr.)

SPEA V442 Topics in Fiscal Management (3 cr.)

SPEA V444 Public Administration Organization (3 cr.)

SPEA V449 Applied Policy Analysis (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)

SPEA V457 Management Science in the Public Sector (3 cr.)

SPEA V461 Computer Application in Public Affairs (3 cr.)

SPEA V462 Public Management (3 cr.)

POLICY CONCENTRATION

(Seven courses)

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also provides preparation for graduate work in law, policy, or management.

Requirements

The following two courses:

SPEA V449 Applied Policy Analysis (3 cr.)

SPEA V472 Policy Processes in the U.S. (3 cr.)

Five of the following courses:

Political Science Y313 Environmental Policy (3 cr.)

Political Science Y318 The American Presidency (3 cr.)

Political Science Y360 U.S. Foreign Policy (3 cr.)

Political Science Y366 Current Foreign Policy Problems (3 cr.)

Political Science Y394 Public Policy Analysis (3 cr.)

Sociology S309 The Community (3 cr.)

Sociology S360 Topics in Social Policy (3 cr.)

Sociology S461 Urban Sociology (3 cr.)

SPEA H320 Introduction to Health Administration (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA J321 Introduction to American Law Enforcement (3 cr.)

SPEA V377 Legal Processes and Contemporary Issues in America (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)

SPEA V445 Policy Making in State Government (3 cr.)

SPEA V447 Federal Budget Policy (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs (Approved Topics) (3 cr.)

PUBLIC FINANCIAL ADMINISTRATION CONCENTRATION

(Six courses)

The Public Finance Specialization is geared toward students who are interested in a career in public sector financial management and budgeting.

Requirements

All of the following four courses:

Economics E321 Theory of Prices and Markets (3 cr.)

Economics E406 Advanced Undergraduate Seminar (3 cr.) or SPEA V450

Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)

SPEA V442 Topics in Fiscal Administration (3 cr.)

One of the following two courses:

Business A335 Fund Accounting (3 cr.)

SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

One of the following two courses:

Economics E322 Theory of Income and Employment (3 cr.)

Economics E350 Money and Banking (3 cr.)

URBAN MANAGEMENT AND POLICY CONCENTRATION

(Seven courses)

Students completing this concentration will attain knowledge and skills relating to land use planning, housing and zoning issues, city and local government management, problems of delivering urban services, and the role of urban policy setting in urban management. This is also an excellent concentration for students planning to go into professional graduate programs in public administration, law, public policy, urban and regional planning, urban management, social work, and regional economic development programming.

Requirements

The following two urban theory courses:

The following course:
SPEA V421 Metropolitan Development (3 cr.)

and

One of the following five courses:

Economics E323 Urban Economics (3 cr.)

History A347 American Urban History (3 cr.)

Political Science Y306 Urban Politics (3 cr.)

Sociology S309 The Community (3 cr.)

Sociology S403 Industry, Labor, and

Community (3 cr.)

Two of the following urban service and infrastructure courses:

SPEA E431 Water Supply and Wastewater Treatment (3 cr.)

SPEA E451 Air Pollution and Control (3 cr.)

SPEA E452 Solid and Hazardous Waste Management (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA J101 American Criminal Justice System (3 cr.)

SPEA J321 Introduction to American Law Enforcement

SPEA J331 Introduction to Corrections (3 cr.)
SPEA V375 Emergency Services Administration (3 cr.)

Two of the following three urban administration courses:

SPEA V340 Urban Administration (3 cr.)
SPEA V368 Managing Government Operations (3 cr.)
SPEA V468 Research Methods in Applied Social Sciences (3 cr.)

One of the following two urban applications courses:

SPEA V450 Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)
SPEA V471 Urban Management Systems

South Bend Areas of Concentration (Minimum of six courses)

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the South Bend campus include:

Criminal Justice
Environmental Science
Management
Policy
Public Financial Administration
Urban Management and Policy

CRIMINAL JUSTICE CONCENTRATION (Seven courses)

This concentration offers a variety of courses for students interested in law enforcement, correctional administration, and the study of legal procedures in the criminal justice system. This field of study provides a framework for those interested in graduate study in law or public administration and careers in the public sector.

Requirements

The following introductory criminal justice course:
SPEA J101 The American Criminal Justice System (3 cr.)

One of the following three criminal law courses:

SPEA J301 Criminal Law (3 cr.)
SPEA J302 Criminal Law Administration (3 cr.)
SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following five crime or deviance courses:

Psychology P324 Abnormal Psychology (3 cr.)
Sociology S320 Deviant Behavior and Social Control (3 cr.)
Sociology S325 Criminology (3 cr.)
Sociology S328 Juvenile Delinquency (3 cr.)

SPEA J339 Crime and Public Policy (3 cr.)

One of the following two law enforcement courses:

SPEA J321 Introduction to American Law Enforcement (3 cr.)
SPEA J360 Urban Crime: Police and Their Clients (3 cr.)

One of the following two corrections courses:
SPEA J331 Introduction to Corrections (3 cr.)
SPEA J345 Trends in Corrections (3 cr.)

Two additional criminal justice courses at the 300-400 level.

ENVIRONMENTAL SCIENCE CONCENTRATION (Thirteen courses)

The environmental science concentration is a multi-disciplinary study of the nature, origin, and options for solutions for environmental problems with emphasis on their implications for public administration and policy. This concentration also provides excellent preparation for advanced studies in the sciences and medicine.

Requirements

A total of 12 credit hours selected from the courses listed below may also be used to meet the natural science component of the general education requirements.

The following six courses:

Biology L100 Man and the Biological World (5 cr.)
Geology G111 Elements of Geology I (3 cr.)
Physics P201 General Physics (5 cr.)
Political Science Y313 Environmental Policy (3 cr.)
SPEA E326 Mathematical Methods for Environmental Science (3 cr.)
SPEA E475 Techniques for Environmental Science (3 cr.)

The following four-course chemistry sequence:

Chemistry C101 Elementary Chemistry I (3 cr.)
Chemistry C121 Elementary Chemistry Laboratory I (2 cr.)
Chemistry C102 Elementary Chemistry II (3 cr.)
Chemistry C122 Elementary Chemistry Laboratory II (2 cr.)

A minimum of nine credit hours selected from the following courses (students should be aware that certain of these courses have prerequisites and then should consult with a faculty member about the best selection of courses to meet individual educational objectives):
Biology B364 Summer Flowering Plants (5 cr.)

Biology L350 Environmental Biology (3 cr.)
Biology L473 Ecology (3 cr.)
Biology M310 Microbiology (3 cr.)
Biology M315 Microbiology Laboratory (2 cr.)
Biology Z406 Vertebrate Zoology (5 cr.)
Chemistry C317 Analytic Chemistry (3 cr.)
Chemistry C341 Organic Chemistry (3 cr.)
Chemistry C342 Organic Chemistry II (3 cr.)
Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
Chemistry C430 Inorganic Chemistry (3 cr.)
Chemistry C483 Biological Chemistry (3 cr.)
Physics P202 General Physics II (5 cr.)

MANAGEMENT CONCENTRATION (Seven courses)

The SPEA management concentration provides a broad understanding of general management. It combines behavioral and management sciences approaches with substantive knowledge in particular skill areas, and provides opportunities to understand and apply specific managerial tasks and processes. Students completing this concentration will be prepared for entry-level positions in line management or various management support positions in public, quasi-public, or private sector organizations. This concentration also provides adequate preparation for graduate work in business and public affairs.

Requirements

All of the following five courses:

SPEA V368 Managing Government Operations (3 cr.)
SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
SPEA V442 Topics in Fiscal Management (3 cr.)
SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
SPEA V473 Management Applications: Seminar (3 cr.)

Two of the following courses not taken to satisfy other degree or concentration requirements:

Business M301 Introduction to Marketing Management (3 cr.)
Business P429 Operations Systems Design and Productivity (3 cr.)
Business Z301 Organizational Behavior and Leadership (3 cr.)
Business Z440 Personnel - Human Resource Management (3 cr.)
Economics E340 Introduction to Labor Economics (3 cr.)
Economics E485 Social Control of Industry (3 cr.)

SPEA H320 Introduction to Health Administration (3 cr.)
SPEA V340 Urban Government Administration (3 cr.)
SPEA V373 Personnel Management in the Public Sector (3 cr.)
SPEA V432 Labor Relations in the Public Sector (3 cr.)
SPEA V444 Public Administration Organization (3 cr.)
SPEA V449 Applied Policy Analysis (3 cr.)
SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
SPEA V461 Computer Application in Public Affairs (3 cr.)
SPEA V462 Public Management (3 cr.)

POLICY CONCENTRATION (Seven courses)

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also provides preparation for graduate work in law, policy or management.

Requirements

The following two courses:

SPEA V449 Applied Policy Analysis
SPEA V472 Policy Processes in the U.S. (3 cr.)

Five of the following courses:

Business G406 Business Enterprise and Public Policy (3 cr.)
Business G409 Business Conditions and Public Policy (3 cr.)
Business J404 Business and Society (3 cr.)
Economics E446 Public Policy in Labor Relations (3 cr.)
Economics E485 Social Control of Industry (3 cr.)
Political Science Y311 National Security in a Democratic Polity (3 cr.)
Political Science Y313 Environmental Policy (3 cr.)
Political Science Y360 U.S. Foreign Policy (3 cr.)
Political Science Y394 Public Policy Analysis (3 cr.)
Sociology S309 The Community (3 cr.)
Sociology S315 The Sociology of Work (3 cr.)
Sociology S360 Topics in Social Policy (3 cr.)
SPEA H416 Environmental Health Policy (3 cr.)
SPEA H320 Introduction to Health Administration (3 cr.)

- SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (Approved Topics) (3 cr.)

PUBLIC FINANCIAL ADMINISTRATION CONCENTRATION (Six courses)

The public finance specialization is geared toward students who are interested in a career in public sector financial management and budgeting.

Requirements

- All of the following four courses:
 Economics E321 Theory of Prices and Markets (3 cr.)
 Economics E406 Advanced Undergraduate Seminar (3 cr.) or SPEA V450 Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V442 Topics in Fiscal Management (3 cr.)

- One of the following two courses:
 Business A395 Fund Accounting (3 cr.)
 SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

- One of the following two courses:
 Economics E322 Theory of Income and Employment (3 cr.)
 Economics E350 Money and Banking (3 cr.)

URBAN MANAGEMENT AND POLICY CONCENTRATION (Seven courses)

Students completing this concentration will attain knowledge and skills relating to land use planning, housing and zoning issues, city and local government management, problems of delivering urban services, and the role of urban policy setting in urban management. This is also an excellent concentration for students planning to go into professional graduate programs in public administration, law, public policy, urban and regional planning, urban management, social work, and regional economic development programming.

Requirements

- The following two urban theory courses:
 The following course:
 SPEA V421 Metropolitan Development (3 cr.)
 and

- One of the following three courses:
 History A347 American Urban History (3 cr.)
 Political Science Y308 Urban Politics (3 cr.)
 Sociology S306 Urban Society (3 cr.)

- Two of the following urban services and infrastructure courses:
 Business R300 Real Estate (3 cr.)
 Business T300 Principles of Transportation (3 cr.)

- SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J101 American Criminal Justice System (3 cr.)

- SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA J331 Introduction to Corrections (3 cr.)

- Two of the following urban administration courses:

- SPEA V340 Urban Administration (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)

- One of the following urban applications courses:
 SPEA V450 Contemporary Issues in Public Affairs (Approved Topic) (3 cr.)
 SPEA V471 Urban Management Systems (3 cr.)

Bachelor of Science in Criminal Justice (Indianapolis)

The Bachelor of Science in Criminal Justice requires 120 credit hours of study and is offered at this time only through the Indianapolis campus of Indiana University. However, course work applicable to this degree program is offered by SPEA at other campuses of the University system and is transferable to the Indianapolis campus. The program includes four main areas; general education, public affairs and policy, criminal justice, and general electives.

DEGREE REQUIREMENTS (120 credit hours)

Note: The following degree requirements are applicable to all students admitted to Indiana University beginning with the Summer Sessions 1985 and thereafter. Course numbers in parentheses indicate IU/PUI course numbers where they differ from numbers of similar Indiana University courses offered at the other campuses.

General Education (17 courses)

- Communications** (three courses)
 Both of the following writing courses:
 English W131 Elementary Composition (3 cr.) or equivalent campus option
 English W231 Professional Writing Skills (3 cr.) or
 English W232 Introduction to Business Writing (3 cr.)
 (Fl. Wayne campus only)

- One of the following speech courses:
 Communication C104 Training the Speaking Voice (2 cr.)
 Communication C110 Fundamentals of Speech Communications (3 cr.)
 Communication C114 Fundamentals of Speech Communications (3 cr.)
 Speech S121 Public Speaking (2 cr.)
 Speech S122 (C180) Introduction to Interpersonal Communication (2 cr.)
 Speech S223 (C223) Business and Professional Speaking (3 cr.)
 Speech S228 (C227) Argumentation and Debate (3 cr.)
 Speech S229 (C228) Discussion and Group Methods (3 cr.)

- Quantitative Methods** (three courses)
 One of the following mathematics courses:
 Mathematics MA100 Basic Mathematics (3 cr.)
 Mathematics M111 Algebra (3 cr.)
 Mathematics M118 Finite Mathematics (3 cr.)
 Mathematics M119 Survey of Calculus I (3 cr.)
 Mathematics M125 Pre-Calculus Mathematics (3 cr.)
 Mathematics M215 Analytic Geometry and Calculus I (5 cr.)
 Mathematics MA123 Elementary Concepts of Mathematics (3 cr.)
 Mathematics MA163 Integrated Calculus and Analytic Geometry (5 cr.)
 Mathematics MA215 Finite Mathematics for Computing (3 cr.)
 Mathematics MA153 Algebra and Trigonometry (3 cr.)
 Mathematics MA213 Finite Mathematics (3 cr.)
 Mathematics MA225 Calculus for Business and Economics (3 cr.)

- One of the following statistics courses:
 Economics E270 Introduction to Statistical Theory in Economics and Business (3 cr.)
 Mathematic/Psychology K310 Statistical Techniques (3 cr.)
 Psychology B305 Statistics (3 cr.)
 Psychology P201 Introduction to Quantitative Topics in Psychology I (3 cr.)

- Psychology P301 Introduction to Quantitative Topics in Psychology (3 cr.)
 Sociology R359 Introduction to Sociology Statistics (3 cr.)
 Sociology S250-S251 Methods and Statistics I-II (3-3 cr.)
 SPEA/Mathematics/Psychology K300 Statistical Techniques (3 cr.)
 Statistics 301 Elementary Statistical Methods I (3 cr.)

- One of the following computer course:
 Computer Science C106 Introduction to Computers and Their Use (3 cr.)
 Computer Science C107 Personal Computers (3 cr.)
 Computer Science C201 Introduction to Computer Programming (4 cr.)
 Computer Science C201 Computer for Humanities (3 cr.)
 CSCI C201 Computer Literacy: Applications and Concepts
 CSCI C206 Computer Programming (3 cr.)
 CSCI C207 Computers in the Social Sciences (3 cr.)
 CSCI C208 The Computer in Business (3 cr.)
 Computer Technology CPT115 Introduction to Data Processing (3 cr.) and
 Computer Technology CPT140 Introduction to Computer Lab I (1 cr.)
 Computer Technology CIS 106 Introduction to Computers (3 cr.)
 Computer Technology CIS 107 Personal Computers (3 cr.)
 Business K201 Computer in Business (3 cr.)

- Arts and Humanities** (four courses)
 Two of the following courses not used to satisfy another degree requirement:
 History H105 American History I (3 cr.)
 History H106 American History II (3 cr.)
 History A325 American Constitutional History I (3 cr.)
 History A326 American Constitutional History II (3 cr.)
 Political Science Y304 Judicial Process and American Constitutional Law I (3 cr.)
 Political Science Y305 Judicial Process and American Constitutional Law II (3 cr.)

- Two courses selected from the following subject areas not used to satisfy another degree requirement:
 Afro-American Studies
 Classical Studies
 Communication and Theater
 Comparative Literature
 English
 Fine Arts
 Foreign Languages and Literature
 Folklore
 History
 History and Philosophy of Science
 Literature
 Musicology and Music History

Philosophy
Religious Studies
Speech
Theatre and Drama

Natural Sciences two courses

Two courses selected from the following subject area:

Astronomy
Biology
Botany
Chemistry
Geography
Geology
Physics
Zoology

Social and Behavioral Sciences five courses

Four courses selected from the following subject areas:

Sociology R344 Juvenile Delinquency and Society (3 cr.)
Sociology R345 Crime and Society (3 cr.)
Sociology R346 Control of Crime (3 cr.)
Sociology S161 Principles of Sociology (3 cr.)
Sociology S163 Social Problems (3 cr.)
Sociology S320 Deviant Behavior and Social Control (3 cr.)
Sociology S325 Criminology (3 cr.)
Sociology S328 Criminology (3 cr.)
Sociology S420 Topics in Deviance (3 cr.)
Sociology S429 Crime and the Community (3 cr.)
Psychology PSY 101 Introductory Psychology (3 cr.)
Psychology PSY 240 Introduction to Social Psychology (3 cr.)
Psychology PSY 350 Abnormal Psychology (3 cr.)
Psychology P324 Abnormal Psychology (3 cr.)
Psychology P380 Abnormal Psychology (3 cr.)

One course selected from the following subject areas not used to satisfy another degree requirement:

Anthropology
Economics
Political Science

Public Affairs and Policy (four courses)

Four of the following courses:

SPEA E300 Introduction to Environmental Science (3 cr.)
SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA V264 Urban Structure and Policy (3 cr.)
SPEA V348 Management Science and Policy Analysis (3 cr.)
SPEA V365 Urban Development and Planning (3 cr.)
SPEA C366 Managing Human Resources (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V376 Law and Public Policy (3 cr.)

Criminal Justice Concentration

(Ten courses)

The following criminal justice courses:

SPEA J101 Introduction to Criminal Justice (3 cr.)
SPEA J301 Criminal Law or SPEA J401 Criminal Law and Procedures (3 cr.)
SPEA J306 Trial Courts and Criminal Justice
SPEA J339 Crime and Public Policy (3 cr.)
SPEA J321 Introduction to American Law Enforcement (3 cr.)
SPEA J331 Introduction to Corrections (3 cr.)

Four additional courses in Criminal Justice

General Electives

Sufficient number of additional courses to meet the Bachelor of Science degree requirement of 120 credit hours.

Bachelor of Science in Public Health

(Indianapolis)

The Bachelor of Science in Public Health requires 120 credit hours of study and is offered at this time only through the Indianapolis campus. However, course work applicable to this degree program is offered by SPEA at other campuses. Because the public health curriculum includes 18 to 25 required courses in addition to the general education requirements, students are strongly urged to contact a public health faculty adviser as early as possible in their academic careers.

Two concentrations, environmental health and health administration, are available within the public health degree program. Both concentrations combine classroom and field experiences and share a core curriculum. Practicum and field experience are coordinated by the faculty and involve students directly in the work of health agencies, hospitals, nursing homes, industrial facilities, or environmental agencies. Course numbers in parentheses indicate corresponding Bloomington campus course numbers.

DEGREE REQUIREMENTS

(120 credit hours)

General Education

(12 courses)

Communications (three courses)

Both of the following writing courses:

English W131 Elementary Composition (3 cr.)
or approved option

English W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

Communications C110 Fundamentals of Speech Communications (3 cr.)
Communications C180 (S122) Interpersonal Communications (2-3 cr.)
Communications C223 (S223) Business and Professional Speaking (3 cr.)
Communications C227 (S228) Argumentation and Debate (3 cr.)
Speech S121 Public Speaking (2 cr.)
Speech S229 Discussion and Group Methods (3 cr.)

Social Sciences (four courses)

All of the following three courses:

Economics E201 (E103) Introduction to Microeconomics (3 cr.)
Economics E202 (E104) Introduction to Macroeconomics (3 cr.)
Political Science Y103 Introduction to American Politics (3 cr.)

One approved course from one of the following subject areas: anthropology, geography, journalism, linguistics, political science, psychology, sociology.

Science (two courses)

One of the following four courses:

Biology L104 Human Biology (4 cr.)
Biology L111 Diversity and Function (4 cr.)
Biology L112 Introduction to Biology (4 cr.)
Biology N107 Introduction to Zoology (4 cr.)

One of the following two courses:

Biology N217 Human Physiology (5 cr.)
Biology P215 Basic Mammalian Physiology (5 cr.)

Quantitative Methods (three courses)

One of the following five computer courses:

Computer Science C201 Introduction to Computer Programming (3 cr.)
CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)
Computer Science 206 Computer Programming (3 cr.)
Computer Science 207 Computer in the Social Sciences (3 cr.)
Computer Science 208 The Computer in Business (3 cr.) (IUPUI)
Business K201 The Computer in Business (3 cr.)

One of the following two mathematics courses:

Mathematics M119 Brief Survey of Calculus I (3 cr.)
Mathematics M215 Analytic Geometry and Calculus (5 cr.)

One of the following statistics courses:

Economics E270 Introduction to Statistical Theory in Economics and Business (3 cr.)
Mathematics/Psychology K310 Statistical Techniques (3 cr.)
Psychology B305 Statistics (3 cr.)
Psychology P301 Introduction to Quantitative Topics in Psychology (3 cr.)
Sociology R359 Introduction to Sociological Statistics (3 cr.)
Sociology S250-S251 Methods and Statistics (3-3 cr.)
SPEA/Mathematics/Psychology K300 Statistical Techniques (3 cr.)
Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Health Core

(eight courses)

All of the following eight courses:

SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA H316 Introduction to Environmental Health (3 cr.)
SPEA H320 Introduction to Health Administration (3 cr.)
SPEA H322 Epidemiology (3 cr.) or
HPER H311 Human Disease and Epidemiology (3 cr.)
HPER H465 Community Health Education (3 cr.) or
HPER C403 Techniques of Public Health Education (3 cr.)
SPEA V366 Managing Human Resources (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V373 Personnel Management in the Public Sector (3 cr.)

Areas of Concentration

One of the following concentration areas must be completed: environmental health or health administration.

ENVIRONMENTAL HEALTH CONCENTRATION

(13-16 courses)

Requirements

Seven to ten of the following courses:

One of the following two options:
Chemistry C105 Principles of Chemistry (5 cr.) or
Chemistry C105 Principles of Chemistry (3 cr.) and
Chemistry C125 Experimental Chemistry I (2 cr.)

One of the following two options:
Chemistry C106 Quantitative Chemistry (5 cr.) or

Chemistry C106 Quantitative Chemistry (3 cr.) and
Chemistry C126 Experimental Chemistry II (2 cr.)

One of the following three options:
Biology N251 Microbiology (3 cr.) or
Biology M310 Microbiology (3 cr.) and
Biology M315 Microbiology Laboratory (2 cr.)
or
Biology M200 Micro Organism in Nature and Disease (3 cr.) and
Biology M215 Micro Organism Laboratory (1 cr.)

One of the following four courses:
Physics P200 Our Physical Environment (3 cr.)
Physics P201 General Physics I (5 cr.)
Physics P218 General Physics (4 cr.)
Physics E250 The Environment and Physics (3 cr.)

All of the following three courses:
SPEA H416 Environmental Health Policy (3 cr.)
SPEA H465 Practicum in Public Health (3 cr.)
SPEA H466 Field Experience in Public Health (1 cr.) or
SPEA V380 Internship in Public and Environmental Affairs (1-6 cr.)

Concentration options (six courses)
Six of the following courses:
SPEA E400 Topics in Environmental Health Policy (3 cr.): Approved Topics
SPEA E410 Environmental Toxicology (3 cr.)
SPEA E431 Water Supply and Wastewater Treatment I (3 cr.)
SPEA E451 Air Pollution and Control (3 cr.)
SPEA E452 Solid and Hazardous Waste Management (3 cr.)
SPEA H423 Disease Vector Control (3 cr.) or
Biology K443 Medical Entomology (3 cr.)
SPEA H428 Food Science and Sanitation (3 cr.)
SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)
SPEA H460 Environmental Health Instrumentation (3 cr.)

Note: It is recommended that Environmental Health Concentration students who are considering careers in medicine, dentistry, or other health profession select additional courses from the following list to fulfill the general electives allowed in the Bachelor of Science in Public Health Program.
Biology M420 Environmental Microbiology (3 cr.)
Biology M440 Medical Microbiology Law (2 cr.)
Biology M442 Medical Microbiology Law (2 cr.)

Chemistry C341 Organic Chemistry I (3 cr.)
Chemistry C343 Organic Chemistry I Lab (2 cr.)
Chemistry C342 Organic Chemistry II (3 cr.)
Chemistry C344 Organic Chemistry II Lab (2 cr.)
Chemistry C483 Biological Chemistry (3 cr.)
Physics P201 General Physics I (5 cr.)
Physics P202 General Physics II (5 cr.)
Physics P310 Environmental Physics (3 cr.)
Physics P320 Introduction to Biophysics (3 cr.)
Physics P219 General Physics (4 cr.)

HEALTH ADMINISTRATION CONCENTRATION (nine courses)

Requirements
All of the following four courses:
SPEA H441 Legal Aspects of Health Care Administration (3 cr.) or approved option
SPEA H465 Practicum in Public Health (2 cr.)
SPEA H466 Field Experience in Public Health (3 cr.) or
SPEA V380 Internship in Public and Environmental Affairs (1-6 cr.)
SPEA V346 Introduction to Governmental Accounting and Financial Reporting – or other approved options (3 cr.)

Concentration Options (five courses)
Five of the following courses:
Allied Health W374 Medical Care I (3 cr.)
Allied Health W471 Medical Care II (3 cr.)
Anthropology E400 Undergraduate Seminar (Approved Topic) (3 cr.)
Anthropology E445 Medical Anthropology (3 cr.)
Business M300 Introduction to Marketing (3 cr.)
Business N300 Principles of Risk and Insurance (3 cr.)
Business Z300 Organizational Behavior and Leadership (3 cr.)
Economics E387 Economics of Health Care (3 cr.)
HPER H320 The Nature of Cancer (3 cr.)
HPER H366 Health Problems in the Community (3 cr.)
Religious Studies R373 Problems in Social Ethics (3 cr.) Approved Topic
Sociology R381 Social Factors in Health and Illness (3 cr.)
Sociology R382 Social Organization of Health Care (3 cr.)
SPEA H402 Hospital Administration (3 cr.)
SPEA H411 Nursing Home Administration (3 cr.)
SPEA H416 Environmental Health Policy (3 cr.)
SPEA H474 Issues in Public Health (3 cr.)

SPEA V432 Labor Relations in the Public Sector (3 cr.)
SPEA V450 Contemporary Issues in Public Affairs: approved topics (3 cr.)
SPEA V455 Topics in Public Health (3 cr.)

General Electives

Sufficient additional courses to meet the Bachelor of Science in Public Health requirement of 120 credit hours.

Environmental Studies Major

(Bloomington)

Environmental studies as a second major is available only to students in the College of Arts and Sciences on the Bloomington campus and is an inter-departmental program designed to introduce students to environmental problems associated with modern civilizations. The program includes a multidisciplinary study of the effects of population growth, resources utilization, energy generation, and agricultural systems as well as the emergence of environment as a focus of public policy.

College of Arts and Sciences students choosing this program as a second major *must* also complete the general requirements for a baccalaureate degree of the college *and* the requirements for a first major in a department of the college. These students must complete at least 25 credit hours in *each* major, which are not applied to the other major. They may thus need to complete additional courses in one or both majors.

The appropriateness of the Environmental Studies major as a preparation for graduate or professional schools or for possible employment depends on both the first major and on the particular courses chosen for fulfilling requirements. Students are urged to consult with an environmental studies adviser for assistance in formulating educational and career goals and in developing their environmental studies programs.

Two options are available for the environmental studies major. Option I is primarily for students majoring in the biological and physical sciences. Option II is primarily for students majoring in the social and behavioral sciences or the arts and humanities.

Requirements

OPTION I - BIOLOGICAL OR PHYSICAL SCIENCES MAJORS (17-18 courses)

All of the following six courses:
Chemistry C105 Principles of Chemistry (3 cr.) and
Chemistry C125 Experimental Chemistry (2 cr.)
Chemistry C106 Quantitative Chemistry (3 cr.) and
Chemistry C126 Experimental Chemistry (2 cr.)
Political Science Y313 Environmental Policy (3 cr.)
SPEA E400 Topics in Environmental Studies: Approved Topics (3 cr.)

One of the following three courses:
Physics P201 General Physics I (5 cr.)
Physics P221 Physics I (5 cr.)
Physics E250 The Environment and Physics (3 cr.)

One course in Calculus

One of the following statistics courses:
Mathematics/Psychology/SPEA K300 Statistical Techniques (3 cr.)
Mathematics/Psychology K310 Statistical Techniques (3 cr.)
Political Science Y205 Elements of Political Analysis (3 cr.)
Sociology S250 and S251 Methods and Statistics I-II (3-3 cr.)

One of the following two courses:
Biology L473 Ecology (3 cr.)
Biology S309 Ecological Biology (5 cr.)

One of the following two courses:
Chemistry C341 Organic Chemistry (3 cr.)
Physics P310 Environmental Physics (3 cr.)

One of the following two options:
Economics E103 Introduction to Microeconomics (3 cr.) and
Economics E104 Introduction to Macroeconomics (3 cr.) or
Economics E300 Principles of Economics (5 cr.)

One of the following three courses:
Geography G304 Climatology (3 cr.)
Geography G404 Elements of Soil Science (3 cr.)
Geology G300 Environmental and Urban Geology (3 cr.)

One of the following two courses:
Geography G315 Environmental Conservation (3 cr.)
Geology G316 Mineral Resources (3 cr.)
One of the following two courses:

Biology Z468 Limnology (3 cr.)
Biology M420 Environmental Microbiology (3 cr.)

Two additional courses from the elective group of Option II.

OPTION II-SOCIAL AND BEHAVIORAL SCIENCES MAJORS (18-19 courses)

All of the following five courses:
Chemistry or Physics (one course)
Political Science Y313 Environmental Policy (3 cr.)

SPEA E300 Introduction to Environmental Science (3 cr.) or
SPEA E200 Environment and People (3 cr.)
SPEA E400 Topics in Environmental Studies (3 cr.)
Biology L350 Environmental Biology (3 cr.) or other approved biology course

One of the following statistics courses:
Mathematics/Psychology/SPEA K300 Statistical Techniques (3 cr.)
Mathematics/Psychology K310 Statistical Techniques (3 cr.)
Political Science Y205 Elements of Political Analysis (3 cr.)
Sociology S250 and S251 Methods and Statistics I-II (3-3 cr.)

One of the following economics options:
Economics E103 Introduction to Microeconomics (3 cr.) and
Economics E104 Introduction to Macroeconomics (3 cr.) or
Economics E300 Principles of Economics (5 cr.)

One of the following sets of courses:
Biology—also satisfies above biology course requirement

One introductory biology course and
Biology L473 Ecology (3 cr.) and

One of the following two courses:
Biology Z468 Limnology (4 cr.)
Biology M420 Environmental Microbiology (3 cr.)

Chemistry—all of the following courses (also satisfies chemistry/physics requirement):
Chemistry C105 Principles of Chemistry (3 cr.) and
Chemistry C125 Experimental Chemistry (2 cr.)
Chemistry C106 Quantitative Chemistry (3 cr.) and
Chemistry C126 Experimental Chemistry (2 cr.)
Chemistry C341 Organic Chemistry (3 cr.)

Geography—the following two courses:

Geography G107 Physical Geography (3 cr.)
Geography G304 Climatology and Meteorology (3 cr.) and

One of the following three courses:
Geology G405 Hydroclimatology (3 cr.)
Geography G407 Advanced Physical Geography (3 cr.)
Geography G404 Elements of Soil Science (3 cr.)

Geology—One introductory geology course and

Two of the following four courses:
Geology G300 Environmental and Urban Geology (3 cr.)
Geology G316 Mineral Resources (3 cr.)
Geology G415 Geomorphology (3 cr.)
Geology G451 Principles of Hydrogeology (3 cr.)

Physics—satisfies chemistry/physics requirement
Physics P310 Environmental Physics (3 cr.) and

One of the following two courses:
Physics P201 General Physics I (5 cr.)
Physics P221 Physics I (5 cr.) and

One of the following two courses:
Mathematics M119 Calculus (3 cr.)
Mathematics M215 Analytic Geometry and Calculus I (5 cr.)

Four of the following elective courses:
Anthropology E427 Cultural Ecology (3 cr.)
Business L409 Law and the Environment (3 cr.)
Economics E360 Public Finance: Survey (3 cr.)
Economics E485 Social Control of Industry (3 cr.)
Geography G213 Introduction to Economic Geography (3 cr.)
Geography G315 Environmental Conservation (3 cr.)
Geography G320 Population Geography (3 cr.)
Geography G417 Land Use Analysis (3 cr.)
Political Science Y204 Political Theory and Policy Analysis (3 cr.)
Recreation R372 Interpretive Resources and Techniques (3 cr.)
Sociology S305 Population and Human Ecology (3 cr.)
SPEA E400 Topics in Environmental Studies
SPEA H316 Introduction to Environmental Health (3 cr.)
SPEA H416 Environmental Health Policy (3 cr.)
SPEA V365 Urban Development and Planning (3 cr.)

Area Certificate Programs

Area certificate programs are offered by the School of Public and Environmental Affairs primarily for those undergraduate students who obtain their degrees in disciplines other than SPEA. The areas of study in which certificate programs are currently available are public affairs, public health, urban studies, and environmental studies. A SPEA area certificate will be awarded upon certification of a baccalaureate degree and completion of all requirements of the specific certificate program.

Requirements for the Public Affairs and Public Health Area Certificate programs are the same on all campuses where it is offered. However, because requirements for the Environmental Studies and the Urban Studies Area Certificates vary between campuses, the student should refer to the specific campus description of certificate requirements. These certificate programs are offered through the School of Public and Environmental Affairs at the following campuses in the Indiana University system:

Bloomington
Environmental Studies Certificate
Public Affairs Certificate
Public Health Certificate
Urban Studies Certificate

Indianapolis
Environmental Studies Certificate
Public Affairs Certificate
Public Health Certificate

Fort Wayne
Public Health Certificate

Northwest (Gary)
Public Affairs Certificate
Public Health Certificate

South Bend
Environmental Studies Certificate
Public Health Certificate
Urban Studies Certificate

Area Certificate in Environmental Studies (Bloomington)

The Certificate in Environmental Studies is available with a few exceptions to undergraduate students in all schools of the University. The program for the certificate is designed to introduce students to select aspects of current thinking and research on

the nature, causes, and solutions of environmental problems. The program involves cooperation and contributions of faculty from a variety of disciplines and schools. Students desiring greater depth should consider an environmental studies major (College of Arts and Sciences) or an environmental science concentration (School of Public and Environmental Affairs).

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Affairs Program of the School of Public and Environmental Affairs with an Environmental Concentration are not eligible to receive the Environmental Studies Certificate.
3. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder, SPEA Building, Room 253.
4. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 24 credit hours.
2. A grade-point average of 2.0 (C) or higher in all course work credited toward the certificate.
3. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements (Eight to nine courses)

One course in chemistry or physics.

One of the following three courses:
Geography G107 Physical Systems of the Environment (3 cr.)
Geology G103 Earth Science: Materials and Processes
Geology G111 Elements of Geology I (3 cr.)

The following course:
Biology L350 Environmental Biology (3 cr.) or other approved courses

Economics—one of the following two options:
Economics E103 Introduction to Microeconomics (3 cr.) and
Economics E104 Introduction to Macroeconomics (3 cr.) or
Economics E300 Principles of Economics (5 cr.)

Both of the following courses:

Political Science Y313 Environmental Policy (3 cr.)
SPEA E400 Topics in Environmental Studies (3 cr.)

Two additional courses selected from the following:

Anthropology E427 Cultural Ecology (3 cr.)
Biology M420 Environmental Microbiology (3 cr.)
Biology Z468 Limnology (4 cr.)
Biology L473 Ecology (3 cr.)
Chemistry C101 Elementary Chemistry I (3 cr.) or
Chemistry C105 Principles of Chemistry (3 cr.)
Chemistry C311 Analytical Chemistry (3 cr.)
Chemistry C341 Organic Chemistry (3 cr.)
Economics E360 Public Finance (3 cr.)
Economics E485 Social Control of Industry (3 cr.)
Geography G235 Maps and Aerial Photographs (3 cr.)
Geography G304 Climatology and Meteorology (3 cr.)
Geography G315 Environmental Conservation (3 cr.)
Geography G320 Population Geography (3 cr.)
Geography G350 Field Methods in Physical Geography (3 cr.)
Geography G404 Elements of Soil Science (3 cr.)
Geography G405 Hydroclimatology (3 cr.)
Geography G407 Advanced Physical Geography (3 cr.)
Geography G417 Land Use Analysis (3 cr.)
Geology G300 Environmental and Urban Geology (3 cr.)
Geology G316 Mineral Resources (3 cr.)
Geology G406 Introduction to Geochemistry (3 cr.)
Geology G415 Principles of Geomorphology (3 cr.)
Geology G451 Principles of Hydrogeology (3 cr.)
Mathematics/Psychology/SPEA K300 Statistical Techniques (3 cr.) or
Mathematics/Psychology K310 Statistical Techniques (3 cr.)
Physics P201 General Physics I (5 cr.)
Physics P120 Energy and Technology (3 cr.) or
Physics E250 The Environment and Physics (3 cr.)
Physics P310 Environmental Physics (3 cr.)
Recreation R372 Interpretive Resources and Techniques (3 cr.)
Sociology S305 Population and Human Ecology (3 cr.)
SPEA E200 Environment and People (3 cr.) or

SPEA E300 Introduction to Environmental Sciences (3 cr.)
SPEA E400 Topics in Environmental Studies (3 cr.)
SPEA H316 Introduction to Environmental Health (3 cr.)
SPEA V365 Urban Development and Planning (3 cr.)

Area Certificate in Environmental Studies (Indianapolis)

The Environmental Studies Certificate Program is designed to introduce students to selected aspects of current thinking and research on the nature, causes, and solutions of environmental problems. The program involves the cooperation and contributions of faculty from a variety of disciplines and schools.

Eligibility and Application

1. Students enrolled in any baccalaureate program of Indiana University and other accredited colleges or universities who are in good standing are eligible.
2. Students admitted to the Bachelor of Science in Public Health Program or with an Environmental Concentration in the Bachelor of Science in Public Affairs of the School of Public and Environmental Affairs are not eligible to receive the Environmental Certificate.
3. Students must declare their intent to earn this certificate prior to completing 15 semester hours of credit toward the certificate. Applications for admission may be obtained through the office of the SPEA Recorder, Business/SPEA Building, Room 3027B.
4. Upon certification that the student has been awarded a bachelor's degree and completion of required certificate courses with a grade-point average of 2.0 (C) or higher in all course work credited toward the certificate, the student will be awarded the certificate.

General Requirements

1. A minimum of 32 credit hours.
2. A minimum cumulative grade-point average of 2.0.
3. A maximum of six hours of appropriate credit from another institution may be applied toward this certificate.
4. Credit work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements (10 courses)

All of the following five courses:
Chemistry C105 Principles of Chemistry (5 cr.)
Biology K341 Principles of Ecology (3 cr.)
Economics E201 Introduction to Microeconomics (3 cr.)
Economics E202 Introduction to Macroeconomics (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)

One of the following three courses:
SPEA E200 Environment and People (3 cr.) or
SPEA E262 Environment: Problems and Prospects (3 cr.) or
SPEA E300 Introduction to Environmental Science (3 cr.)

One of the following three courses:
Geography G107 Physical Systems of the Environment (3 cr.)
Geology G107 Geology: Resources and Man (3 cr.)
Geology G110 Geology: The Earth's Environment (3 cr.)

Three of the following courses:
Biology K442 Population Biology (3 cr.)
Chemistry C207 Biochemistry (4 cr.)
Chemistry C310 Analytical Chemistry (3 cr.)
Chemistry C341 Organic Chemistry I (3 cr.)
Economics E485 Economics of Industry (3 cr.)
Geography G303 Weather, Climate, and Man (3 cr.)
Geography G304 Climatology and Meteorology (3 cr.)
Geography G315 Environmental Conservation (3 cr.)
Geology G300 Environmental and Urban Geology (3 cr.)
Geology G303 Geology: Maps and Air Photos (4 cr.)
Geology G406 Introduction to Geochemistry (3 cr.)
Geology G415 Principles of Geomorphology (3 cr.)
Geology G451 Principles of Hydrogeology (3 cr.)
Physics P200 Our Physical Environment (3 cr.)
Physics P218 General Physics (4 cr.)
Sociology R465 Population and Human Ecology (3 cr.)
SPEA E431 Water Supply and Wastewater Treatment I (3 cr.)
SPEA E451 Air Pollution and Control (3 cr.)
SPEA E452 Solid Waste Management and Hazardous Waste (3 cr.)
SPEA H316 Introduction to Environmental Health (3 cr.)
SPEA K300 Statistical Techniques (3 cr.)
SPEA V365 Urban Development and Planning (3 cr.)

Statistics 301 Elementary Statistical Methods I (3 cr.)

Area Certificate in Environmental Studies (South Bend)

The Environmental Studies Certificate Program is designed to introduce students to selected aspects of current thinking and research on the nature, causes, and solutions of environmental problems. The program involves the cooperation and contributions of faculty from a variety of disciplines and schools.

The Environmental Studies Certificate is awarded upon completion of a set of specified certificate course requirements and the completion of the requirements for a degree in some area other than environmental studies. SPEA students desiring the certificate may qualify by arranging their program to fulfill certificate requirements.

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Affairs Program of the School of Public and Environmental Affairs with an Environmental Concentration are not eligible to receive the Environmental Studies Certificate.
3. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder.
4. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 21 credit hours.
2. A grade-point average of 2.0 (C) or higher in all course work credited toward the certificate.
3. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements (Seven courses)

One of the following seven-course tracks must be selected:

Track for science majors

All of the following seven courses:

Biology L473 Ecology (3 cr.)
Chemistry C303 Environmental Chemistry (3 cr.)

Geography G315 Environmental Conservation (3 cr.)

Sociology S305 Population and Human Ecology (3 cr.)

SPEA E262 Environment: Problems and Prospects (3 cr.) or

SPEA E300 Introduction to Environmental Science (3 cr.)

SPEA E400 Topics in Environmental Studies: Approved Topic (3 cr.)

SPEA V365 Urban Development and Planning (3 cr.)

Track for nonscience majors

All of the following seven courses:

Biology L350 Environmental Biology (3 cr.)

Geography G315 Environmental Conservation (3 cr.)

Physics E250 The Environment and Physics (3 cr.)

Sociology S305 Population and Human Ecology (3 cr.)

SPEA E262 Environment: Problems and Prospects (3 cr.) or

SPEA E300 Introduction to Environmental Science (3 cr.)

SPEA E400 Topics in Environmental Studies (Approved Topics) (3 cr.)

SPEA V365 Urban Development and Planning (3 cr.)

Note: In special cases substitution of courses listed may be made with the approval of an environmental programs adviser.

Area Certificate in Public Affairs

(Bloomington - Indianapolis - Northwest (Gary))

The School of Public and Environmental Affairs offers the Certificate in Public Affairs to provide an organized approach to the study of public policy, governmental organization, and public management for undergraduates in addition to the major area of their undergraduate programs. The program is interdisciplinary and available to students in good academic standing from any other school or department of Indiana University or other accredited colleges and universities. The Public Affairs Certificate Program is offered through the Bloomington, Indianapolis, and Northwest (Gary) campuses.

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Affairs Program of the School of Public and Environmental Affairs are not eligible to receive the Public Affairs Certificate.
3. Students must declare their intent to earn this certificate prior to completing 15 credit hours creditable toward the certificate.
4. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder at the campus where the student plans to enroll in the certificate program.
5. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 27 credit hours of which at least 15, but not more than 21 credit hours, must have been in SPEA courses.
2. A grade-point average of 2.0 (C) or higher for all course work credited toward the certificate.
3. A maximum of six credit hours of appropriate credit from another institution other than Indiana University may be applied toward this certificate.
4. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements

(Nine courses)

Both of the following courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA V264 Urban Structure and Policy (3 cr.)

One of the following courses:

SPEA E200 Environment and People (3 cr.)

SPEA E262 Environment: Problems and Prospects (3 cr.)

SPEA E300 Introduction to Environmental Science (3 cr.)

One course from two of the following groups:

Organizational Behavior

SPEA V270 Administrative Techniques (3 cr.)

Business Z300 Organizational Behavior and Leadership (3 cr.)

Business Z301 Organizational Behavior and Leadership (3 cr.)

Business Z302 Managing and Behavior in Organizations (3 cr.)

Criminal Justice P310 Introduction to Organization Theory (3 cr.)

Political Science Y390 Micropolitics and Organizational Behavior

SPEA J310 Introduction to Administrative Process (3 cr.)

Public Administration

SPEA V366 Managing Human Resources (3 cr.)

Law

Business L201 Legal Environment and Business (3 cr.)

Criminal Justice P370 Legal Aspects of Criminal Justice System I (3 cr.)

Political Science Y304 Judicial Process and American Constitutional Law I (3 cr.)

Political Science Y305 Judicial Process and American Constitutional Law II (3 cr.)

SPEA J301 Criminal Law (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

SPEA V376 Law and Public Policy (3 cr.)

SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)

Four of the following courses:

Criminal Justice

Criminal Justice P100 Introduction to Criminal Justice (3 cr.) or

SPEA J101 American Criminal Justice System (3 cr.)

Criminal Justice P350 Science and Technology in Social Control Systems (3 cr.)

Criminal Justice P381 History of Social Control in the U.S. (3 cr.)

SPEA J302 Criminal Law Administration (3 cr.)

SPEA J322 Introduction to Criminalistics (3 cr.)

SPEA J370 Social Control Systems (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

Note: Criminal Justice indicates courses offered by the Department of Criminal Justice, College of Arts and Sciences, Bloomington. Courses listed as SPEA Criminal Justice (J) courses are offered by SPEA.

Public Affairs

SPEA V260 Topics in Public Affairs:

Approved Topic (3 cr.)

SPEA V346 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

SPEA V348 Management Science and Policy Analysis Methods (3 cr.)

SPEA V349 Applied Policy Analysis (3 cr.)

SPEA V365 Urban Development and Planning (3 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

SPEA V373 Personnel Management (3 cr.)

SPEA V432 Labor Relations in the Public Sector (3 cr.)

SPEA V442 Topics in Fiscal Management:

Approved Topic (3 cr.)

SPEA V444 Public Administrative Organization (3 cr.)

SPEA V445 Policy in State Government (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs: Approved Topic (3 cr.)

SPEA V472 Policy Processes in the U.S. (3 cr.)

Geography

Geography G342 Urban Mosaic: Spatial Organization of the City (3 cr.)

Geography G344 Urbanization: A Geographic Prospect (3 cr.)

Geography G412 Urban Transportation Analysis (3 cr.)

Geography G414 Regional Transport Systems (3 cr.)

Geography G415 Advanced Urban Geography (3 cr.)

Geography G417 Land Use Analysis (3 cr.)

Political Science

Political Science Y200 Citizen and the Courts (3 cr.)

Political Science Y302 Public Bureaucracy in Modern Society (3 cr.)

Political Science Y306 State Politics in the U.S. (3 cr.)

Political Science Y394 Public Policy Analysis (3 cr.)

Sociology

Sociology R329 Urban Sociology (3 cr.)

Sociology R345 Crime and Delinquency (3 cr.)

Sociology R346 Control of Crime (3 cr.)

Sociology R480 Sociology and Social Policy (3 cr.)

Sociology S320 Deviance and Control (3 cr.)

Sociology S325 Criminology (3 cr.)

Sociology S424 Sociology of Law (3 cr.)

Sociology S461 Urban Sociology (3 cr.)

Area Certificate in Public Health

(Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), and South Bend)

The Certificate in Public Health is available to undergraduate students in all schools of the university. The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, the structure of the medical care delivery system, administrative techniques used in health related facilities, and methods of determining the significance of various factors on health.

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Health degree program of the School of Public and Environmental Affairs are not eligible to receive the Public Health Certificate.
3. Students must declare their intent to earn this certificate prior to completing nine credit hours creditable toward the certificate.
4. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder.
5. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 18 credit hours.
2. A grade-point average of 2.0 (C) or higher for all course work credited toward the certificate.
3. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements

(Six courses)

All of the following three courses:

- SPEA H316 Introduction to Environmental Health (3 cr.)
- SPEA H320 Introduction to Health Administration (3 cr.)
- SPEA H322 Epidemiology (3 cr.)

Three of the following courses:

- Allied Health W374 Medical Care I (3 cr.)
- Allied Health W471 Medical Care II (3 cr.)
- Economics E387 Economics of Health Care (3 cr.)
- SPEA E400 Topics in Environmental Studies: Approved Topic (3 cr.)
- SPEA E410 Environmental Toxicology (3 cr.)
- SPEA E431 Water Supply and Waste Water Treatment (3 cr.)
- SPEA E451 Air Pollution and Control (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- SPEA H342 Community Health Education (3 cr.) or
- HPER C403 Techniques of Public Health Education (3 cr.)
- SPEA H411 Nursing Home Administration (3 cr.)
- SPEA H416 Environmental Health Policy (3 cr.)

- SPEA H423 Disease Vector Control (3 cr.) or
- BIOL K443 Medical Entomology (3 cr.)
- SPEA H428 Food Science and Sanitation (3 cr.)
- SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA H460 Environmental Health Instrumentation (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs: Approved Topic (3 cr.)

Area Certificate in Urban Studies

(Bloomington)

The Urban Studies Certificate Program at Indiana University is a Bloomington undergraduate program offered through the Urban Studies Program of the School of Public and Environmental Affairs. This program complements existing departmental programs and program faculty are drawn from several different sectors of the University.

The program supplements course work in a given discipline with specialized or general work in urban studies. The program is interdisciplinary and provides perspectives beyond those generally obtained through work in a single department. At the same time, the program incorporates sufficient flexibility to provide the student with capabilities that will increase the likelihood of employment in urban-related positions.

Students wishing to obtain a certificate in urban studies, in addition to their major department requirements, must complete 24 hours of course work as described below. Where applicable, students may take courses in their major department to satisfy requirements below as well as requirements in their major.

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs of Indiana University are eligible.
2. Students admitted to the Bachelor of Science in Public Affairs Program with an Urban Concentration in the School of Public and Environmental Affairs are not eligible to receive the Urban Studies Certificate.
3. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder, SPEA Building Room 253, Bloomington.

4. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 24 credit hours.
2. A grade-point average of 2.0 (C) or higher in all course work credited toward the certificate.
3. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements

(Eight courses)

Concentration Core (four courses)

- All of the following four courses:
- SPEA K300 Statistical Techniques (3 cr.)
- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V421 Metropolitan Development (3 cr.)

Specialization (four courses)

One of the following two course sequences and two additional courses selected from among all of the listed sequences and nonsequenced courses:

Urban Administration

- SPEA V340 Urban Government Administration (3 cr.)
- SPEA V444 Public Administration and Organization (3 cr.)

Urban Economics

- Business G330 Principles of Urban Economics (3 cr.)
- Business G430 Economic Analysis—Urban Problems and Policies (3 cr.)

Urban Environmental Analysis

- Geology G300 Environmental and Urban Geology (3 cr.)
- Geology G417 Land Use Analysis (3 cr.)

Urban Finance

- SPEA V372 Financial Management and Budgeting (3 cr.)
- SPEA V442 Topics in Fiscal Management (Approved Topics) (3 cr.)

Urban Land

- Business R300 Principles of Real Estate (3 cr.)
- Business L408 Real Estate Law (3 cr.)

Urban Policy Analysis

- Political Science Y308 Urban Politics (3 cr.)
- Political Science Y394 Public Policy Analysis (3 cr.)

Urban Services Delivery Systems

- Social Work S352 Social Welfare Delivery Systems (3 cr.)

- SPEA V450 Contemporary Issues in Public Affairs Topic: Neighborhood and Community Development (3 cr.)

Urban Society

- Sociology S309 The Community (3 cr.)
- Sociology S461 The Urban Society (3 cr.)

Urban Structure

- Geography G314 Urban Geography (3 cr.)
- Geography G415 Advanced Urban Geography (3 cr.)

Urban Transportation

- Business T315 Urban Transportation and Public Policy (3 cr.)
- Geography G412 Urban Transportation Analysis (3 cr.)

Nonsequenced Courses

- Folklore F310 American Urban and Ethnic Folklore (3 cr.)
- History A347 Cities and Urbanization in American History (3 cr.)
- Anthropology E380 Urban Anthropology (3 cr.)
- SPEA V390 Readings in Public and Environmental Affairs (1–3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs: approved topic (3 cr.)
- SPEA V490 Directed Research in Public and Environmental Affairs (1–3 cr.)

Area Certificate in Urban Studies

(South Bend)

The undergraduate Urban Studies Certificate Program is designed to introduce students to selected aspects of current thinking and research concerning the nature and problems of cities, urban life, and urban development. In addition, it provides a foundation for advanced studies and activity in the fields of city planning and municipal government.

The Urban Studies Certificate is awarded upon completion of a set of specified certificate course requirements. The student must also complete the requirements for a baccalaureate degree in some area other than urban studies. SPEA students desiring the certificate may qualify by arranging their program to fulfill the certificate requirements.

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs of Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Affairs program with an Urban Studies Concentration in the School

of Public and Environmental Affairs are not eligible to receive the Urban Studies Certificate.

3. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder.
4. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

1. A minimum of 21 credit hours.
2. A grade-point average of 2.0 (C) or higher in all course work credited toward the certificate.
3. Course work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements

(Seven courses)

All of the following seven courses:

- Business G330 Principles of Urban Economics (3 cr.)
- Geography G314 Urban Geography (3 cr.)
- History A347 Cities and Urbanization in American History (3 cr.)
- Political Science Y308 Urban Politics (3 cr.)
- Sociology S306 Urban Society (3 cr.)
- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)

Course Descriptions

Undergraduate Courses

The abbreviation "P" refers to course prerequisites and "R" for recommended. The number of hours of credit is indicated in parentheses following the course title. Courses are listed in four groups: environmental, criminal justice, general public affairs, and public health.

Environmental Courses

The SPEA 400-level Environmental Courses listed below may be taken by graduate students for graduate credit if specifically listed within degree requirements or approved by a graduate adviser.

E200 Environment and People (3 cr.) An interdisciplinary examination of the problems of population, pollution, and natural resources and their implications for society (usually presented as a series of lectures by faculty from several departments and schools). Credit not given for both E200 and E262.

E262 Environment: Problems and Prospects (3 cr.) A survey of different aspects of the interaction between humans and their environment, with an emphasis on the complex interactions within systems. Subjects discussed include population levels, natural resources, energy use, various types of pollution and means of controlling them. Credit not given for both E200 and E262.

E300 Introduction to Environmental Science (3 cr.) P: BSPA Natural Science and Mathematics Requirements; E103; Statistics (may be concurrent). Application of principles from life and physical sciences to the understanding and management of the environment. Emphasis will be placed on (1) the physical and biological restraints on resource availability and use, and (2) the technological and scientific options to solving environmental problems.

E326 Mathematical Methods in Environmental Science (3 cr.) P: M119 or M215, C201 or K201, and K300; or permission of instructor. Mathematical modeling in environmental science. Expressing problems as equations. Applications and numerical evaluation of derivatives and integrals. Derivation and solution of differential equations. Use of package FORTRAN subroutines in problem solving. Statistics applied to environmental science.

E400 Topics in Environmental Studies (3 cr.) An interdisciplinary consideration of specific

environmental topics. May be repeated for credit.

E410 Environmental Toxicology (3 cr.) Study of toxic mechanisms, pathology, and disease development resulting from exposure to biological and chemical agents in the environment.

E431 Water Supply and Waste Water Treatment (3 cr.) Health and ecological premises for water and wastewater treatment; principles of water supply; treatment, distribution, and construction; basis for water standards and laboratory examinations; wastewater disposal methods and construction for private installations, institutions, municipalities, and industries; water quality control with respect to wastewater pollution.

E440 Wetlands: Biology and Regulation (3 cr.) This course trains students to evaluate wetlands to comply with federal, state, and local regulations. It examines the principles which inspired these regulations and assesses the consequences. It seeks to relate the breadth and strength of available scientific knowledge to public policy goals.

E451 Air Pollution and Control (3 cr.) Type, sources, and behavior of air contaminants; economic, social, and health hazard aspect of air pollutants; principles of evaluation, indices of pollution and their worth; control measures, organization and administration of community control programs.

E452 Solid and Hazardous Waste Management (3 cr.) Types and sources of solid waste; collection methods; disposal techniques: sanitary landfill, incineration, composting, reclaiming, or recycling; advantages and disadvantages of each; special and hazardous waste handling; operation and management of solid and hazardous waste programs.

E460 Fisheries and Wildlife Management (3 cr.) This course first reviews taxonomy, vertebrate biology and population ecology, then introduces the student to a variety of conflicts concerning fisheries and wildlife. Cases examine endangered species, over-harvesting, maximum sustained yield, habitat evaluation, and recreational use.

E461 Fisheries and Wildlife Management Laboratory (3 cr.) P: Fisheries and Wildlife Lecture, a vertebrate biology course, ecology or equivalent; practical experience with instructor's permission. This course provides practical experience identifying wildlife and fish in the field. Students will evaluate actual areas in Southern Indiana which require wildlife plans, such as public areas or

reclaimed mining areas using standard procedures and make recommendations.

E475 Techniques of Environmental Science (3 cr.) P: E300. Principles and methods of sampling, collection, measurement, analysis, interpretation and presentation of data concerning environmental science. Through lab demonstrations and field work, students will become familiar with instrumentation and analytical methods currently used in environmental analysis. Team instruction will be used to demonstrate techniques.

Public Health Courses

H316 Introduction to Environmental Health (3 cr.) An orientation to the broad concerns of environmental and health interactions. Topics considered include vector control food sanitation, air quality control, water and wastewater treatment and quality control, solid and hazardous waste management, industrial hygiene, radiation safety, public safety as well as related policy and administrative techniques.

H320 Introduction to Health Administration (3 cr.) An overview of the U.S. health care delivery system. It examines the organization, function, and role of the system, current system problems, and alternative systems or solutions.

H322 Principles of Epidemiology (3 cr.) A basic overview of epidemiologic methodology and techniques. Both communicable and chronic disease risk factors will be discussed, along with data acquisition, analysis techniques, and current published epidemiological studies.

H352 Health Finance and Budgeting (3 cr.) A study of the financial management of health care facilities based on generally accepted business principles. Accounting and managerial control of cash, accounts receivable, inventory control, budgeting and cost control, as well as accounting and evaluation of short- and long-term debt will be examined.

H371 Human Resource Management in Health Care Facilities (3 cr.) This course covers the function of management which is concerned with the acquisition, development, and use of human resources in the field of health care delivery. Labor relations relating to health care delivery are also included.

H402 Hospital Administration (3 cr.) The study of organization, structure, function, and fiscal operations within hospitals. The role of the hospital in the community, relationship to official and voluntary health agencies, coordination of hospital departments, and managerial involvement will be examined.

H411 Nursing Home Administration (3 cr.) Nursing home regulations, legal aspects, and insurance; personnel management; medical records; diet and food service; rehabilitation; nursing services; psychiatric aspects in handling of geriatric patients; professional standards; use of volunteer groups.

H416 Environmental Health Policy (3 cr.) Study of professional requirements and duties of the environmental health functions within health agencies; consideration of applicable laws and standards in each environmental health function; environmental health program planning, evaluation, implementation, and personnel responsibilities.

H423 Disease Vector Control (3 cr.) Survey of animal and insect disease vectors and economic pests of public health significance; vector and pest identification and control procedures; and survey of the classification, application, and restriction of pesticides in controlling disease vectors and economic pests commonly found in the U.S.

H428 Food Science and Sanitation (3 cr.) Basic concepts of food technology with emphasis on methods and procedures in food processing to minimize contamination and to prevent food-related illness. Federal, state, and local food laws and inspection procedures will be examined.

H433 Industrial Hygiene and Radiological Health (3 cr.) Fundamental concepts of industrial and occupational health hazards of a biological, chemical, or physical nature; evaluation of hazards, methods of control, and safety protection; Occupational Safety and Health Act Standards. Principles of radioactivity; characteristics of ionizing and nonionizing radiation; detection and measurement of radiation dose and exposure, radiation uses, and hazards; methods for controlling radiation hazards.

H441 Legal Aspects of Health Care Administration (3 cr.) An overview of the liability and legal responsibility, as well as legal recourse health care facilities may exercise. This course will discuss policies and standards relating to health facility administration. Also included is a discussion of financial aspects unique to the hospital/health care facility environment, such as third party payments and federal assistance.

H448 Public Health Education Methods (3 cr.) Usual techniques of group work with investigations of social and psychological factors which determine effectiveness in promoting public health. Laboratory time provides opportunity for competence in group work and in design and use of promotional materials.

H455 Topics in Public Health (1-3 cr.) Extensive discussion of selected topics in Public Health. The topic may change from semester to semester as per resource availability and student demand.

H460 Environmental Health Instrumentation (3 cr.) P: H316. Basic physical, chemical, and biological examinations and standards for potable water quality, wastewater treatment determinations, and stream pollution control. Basic physical, chemical and biological (ergonomic) examinations used in industrial hygiene and air pollution control. Instruction in basic laboratory skills and techniques for performing these examinations.

H465 Public Health Practicum (2 cr.) P: Senior standing. Supervised orientation, observation, and instruction with local and state level health-related agencies and facilities. Primary emphasis will be placed on the students' areas of concentration.

H466 Public Health Field Experience (1 cr.) P: H465. Supervised advanced training in professional and technical functions in public health; guided student activity and performance in professional public health functions. Individualized programs may be arranged to suit the students' areas of concentration.

H474 Issues in Public Health (3 cr.) P: V320 and senior standing or permission of instructor. This course will examine current issues in public health and governmental and private initiatives to resolve these issues.

Criminal Justice Courses

J101 American Criminal Justice System (3 cr.) Introduction to the criminal justice system of the United States and its function in contemporary society.

J301 Criminal Law (3 cr.) The development, limitations, and application of substantive criminal law utilizing the case-study method.

J302 Criminal Law Administration (3 cr.) Criminal law application and procedure from the initiation of police activity through the correctional process utilizing the case-study method.

J303 Evidence (3 cr.) The rules of law governing proof at trial of disputed issues of fact; burden of proof; presumptions and judicial notice; examination, impeachment, competency, and privileges of witnesses; hearsay rule and exceptions; all related as nearly as possible to criminal as opposed to civil process.

J304 Legal Aspects of Correction (3 cr.) Legal problems from conviction to release: presentence investigations, sentencing,

probation and parole, incarceration, loss and restoration of civil rights.

J305 Juvenile Justice Process (3 cr.) Current developments in the legal, administrative, and operational aspects of the juvenile justice system.

J306 Trial Courts and Criminal Justice (3 cr.) This course examines the characteristics and operation of criminal trial courts. The course will focus on how defendants are processed through trial courts, the roles of various participants, and the potential for reform.

J310 Introduction to Administrative Processes (3 cr.) Introduction to principles of management and systems theory for the administration of criminal justice agencies.

J320 Criminal Investigation (3 cr.) Theory of investigation, crime scene procedures, interviews, interrogations, surveillances, and sources of information; collection and preservation of physical evidence; investigative techniques in specific crimes.

J321 Introduction to American Law Enforcement (3 cr.) A broadly based study of the operations and interrelationships of the American police system, including discussion of the limitations of the police function, interjurisdictional matters, and intra-agency processes.

J322 Introduction to Criminalistics (3 cr.) R: J301. The broad range of physical evidence developed through the investigative process and methods of identifying and establishing validity and relevance through forensic laboratory techniques.

J326 Highway Safety Administration (3 cr.) R: J101. A survey of the agencies and institutions in the highway transportation system, their roles and function with emphasis on criminal justice agencies.

J331 Introduction to Corrections (3 cr.) A survey of contemporary correctional systems including analysis of federal, state, and local corrections, adult and juvenile facilities and programs; probation and parole.

J333 Institutional Corrections (3 cr.) The history and development of the jail, penitentiary, prison, and reformatory. Analysis and evaluation of contemporary imprisonment.

J339 Crime and Public Policy (3 cr.) This course is an introduction to the major efforts designed to control or reduce crime. A review of existing knowledge is followed by an investigation of current crime control theories, proposals, and programs.

J340 Community Corrections (3 cr.) An introduction to correctional alternatives to incarceration which focus on the

reintegration of the offender while remaining in the community. Because of their extensive use, considerable attention is given to probation and parole. Other topics include diversion, community residential programs, restitution, halfway house, and home detention.

J345 Trends in Corrections (3 cr.) Analysis and evaluation of contemporary correctional systems. Discussion of recent research concerning the correctional institution and the various field services.

J360 Urban Crime: Police and Their Clients (3 cr.) In-depth examination of crime as an urban policy problem, focusing on the role of police and victims in defining crime as a policy problem, and their role in seeking to reduce the incidence of crime.

J370 Seminar in Criminal Justice (3 cr.) Selected contemporary topics in Criminal Justice. May be repeated for credit.

J376 Principles of Public Safety (3 cr.) Examination of threats to public safety and governmental response at various levels to those threats. Treatment of such areas as transportation and highway threats; occupational safety and health; criminal threats; emergency and disaster planning; consumer protection; and fire control and suppression. Discussion of techniques to identify and measure risk, the acceptability of risk, and governmental attempts to control risk.

J401 Criminal Law and Procedure (3 cr.) The development, limitations, and applicability of criminal law and procedure under the Constitution of the United States. Not open to students with credit for J301 and J302.

J470 Seminar in Criminal Justice (3 cr.) P: senior standing or consent of instructor. Emphasizes current developments in legal, administrative, and operational aspects of the Criminal Justice System.

J480 Research in Criminal Justice (1-6 cr.) P: junior standing, consent of instructor. Individual research under guidance of faculty member.

Public Affairs Courses

K300 Statistical Techniques (3 cr.) P: M014 or equivalent. R: M116. An introduction to statistics. Nature of statistical data. Ordering and manipulation of data. Measures of central tendency and dispersion. Elementary probability. Concepts of statistical inference decision: estimation and hypothesis testing. Special topics discussed may include regression and correlation, analysis of variance, nonparametric methods. Credit not given for K300, and E270, S250-S251, or K310.

V170 Introduction to Public Affairs (3 cr.) Broad coverage of public affairs through critical and analytical inquiry into policy making at all levels of government. Particular emphasis on intergovernmental relations as they affect policy in the federal system.

V260 Topics in Public Affairs (3 cr.) Selected topical courses that are specifically chosen as appropriate to fulfill the SPEA requirement of "public affairs options." Topics vary from semester to semester.

V264 Urban Structure and Policy (3 cr.) An introduction to urban government and public policy issues. Topics include: urban government structure, intergovernmental relations, social and demographic trends in urban patterns, urban economic structure, selected urban problems and policy alternatives.

V270 Survey of Administrative Techniques (3 cr.) Introduction to principles of management and systems theory for the administration of public agencies. Credit not given for both V270 and J310.

V340 Urban Government Administration (3 cr.) Structure of local government in the U.S., federalism and intergovernmental relations, policy problems faced by local officials, and the implications of these problems for local government administrators.

V346 Introduction to Government Accounting and Financial Reporting (3 cr.) No previous knowledge of accounting is assumed. An introduction to government accounting, including comparison with accounting for the private sector, intended as background for use of financial administrators. The course deals primarily with municipal accounting. Not open to students with credit for six or more hours of accounting.

V348 Management Science and Policy Analysis Methods (3 cr.) P: K300, M118 or M125. Introduction to management science models and methods for policy analysis and public management. Methods include decision analysis, linear programming, queueing analysis, and simulation. Computer-based applications are included. Prior familiarization with computers is recommended, though not required.

V352 Personal Career Planning (1 cr.) P: Sophomore standing. Investigation of careers, the world of work, and the career-planning process. The focal point is on students and their goals. Provides assistance in developing practical, meaningful, and realistic insights into the nature of making a public career choice in today's world. Course

is graded S/F (satisfactory/fail). Credit not awarded for both V352 and Bus X410.

V365 Urban Development and Planning (3 cr.) P: V264, K300. This course identifies the major problems associated with urban development in the U.S. and investigates the potential of public planning strategies and tools to deal with these problems. An emphasis is placed on the application of analytical approaches to problem definition and solution.

V366 Managing Human Resources (3 cr.) This course provides an introduction to the management of people in public organizations. Focus is on behavioral science in management and related analytical and experimental applications.

V368 Managing Government Operations (3 cr.) P: V348. Application of analytical techniques to operating decisions in public management sector. Cases are used extensively to illustrate the application of techniques (such as charting, capacity and demand analysis, forecasting, performance measurement, decision analysis, queueing/simulation, Markov modeling, and cost-effective analysis) to design, scheduling, inventory assignment, transportation and replacement decisions.

V372 Financial Management and Budgeting (3 cr.) Study of fiscal management in public agencies, including revenue administration, debt management, and public budgeting. Emphasis will be given to the fiscal processes in state and local agencies.

V373 Personnel Management in the Public Sector (3 cr.) The organization and operation of public personnel management systems with emphasis on concepts and techniques of job analysis, position classification, training, affirmative action, and motivation.

V375 Emergency Services Administration (3 cr.) An overview of management principles and functional components of EMS systems.

V376 Law and Public Policy (3 cr.) The purpose of this course is to provide a basic understanding of the origins, process and impact of law in the making and implementing of public policy. The course's major objective is to provide students with the substantive concepts necessary to understand the judicial system and law in its various forms.

V377 Legal Process and Contemporary Issues in America (3 cr.) P: V376. An introduction to the American legal system, including the Constitution, courts system, and administrative law in federal and state agencies. Readings and discussion center

around current issues affected by the legal process.

V380 Internship in Public and Environmental Affairs (1-6 cr.) P: permission of instructor. Open to interested students upon approval of the faculty. Students are placed with public agencies or governmental units for assignment to a defined task relevant to their educational interests in public affairs. Tasks may involve staff work or research. Full-time participants may earn up to six credit hours. May be repeated for credit. Course is graded S/F (Satisfactory/Fail).

V390 Readings in Public and Environmental Affairs (1-3 cr.) P: permission of instructor. Independent readings and research related to a topic of special interest to the student. Written report required. May be repeated for credit.

V391 Honors Readings in Public and Environmental Affairs (1-3 cr.) P: approval of instructor and SPEA honors adviser. Restricted to students in SPEA Honors Program. May be repeated for credit.

V421 Metropolitan Development (3 cr.) Discussion of the process of development in metropolitan regions. Includes topics such as economic development, land use evolution and demographic change. Consideration of relevant policy issues.

V422 Transportation Policy Analysis (3 cr.) This course examines current issues in transportation to identify the key analytic and management issues that must be considered in developing effective public policy. Particular emphasis will be placed on examining the rationale for and actual impact of existing government policies and on analyzing the likely impacts of policy alternatives.

V432 Labor Relations in the Public Sector (3 cr.) An introductory overview of labor relations in the public sector. Course includes the development, practice, and extent of the collective bargaining process and administration of the labor agreement by state and local governments.

V435 Employment Discrimination Law (3 cr.) P: V373 and V432 or permission of instructor. Case law-based examination of the statutory and constitutional bars to discrimination in employment in the public and private sectors. The primary focus of the course is upon Title VII of *The Civil Rights Act of 1964*.

V442 Topics in Fiscal Management (3 cr.) P: V372 or permission of instructor. Comprehensive study of techniques of public fiscal management, primarily at the state and

local level, and discussion of current issues. (Course may be repeated for different topics).

V444 Public Administrative Organization (3 cr.) A review of research findings and analysis of the operation of public agencies and their performance.

V445 Policy in State Government (3 cr.) This course takes a broad look at the way policies are made and implemented at the state (and perhaps regional) level. Importantly included will be both federal and sub-state intergovernmental relations. Description and some analysis of the major institutions of state government will be the main focus of attention.

V447 Federal Budget Policy (3 cr.) Examination of the institutions and processes involved in putting together the annual federal budget, with emphasis on the role of the Appropriations and Budget Committees in Congress and the White House and the Office of Management and Budget in the executive branch. Selected major policy areas will be considered.

V449 Applied Policy Analysis (3 cr.) P: V348. Discussion of the role of policy analysis in government. Applications of analytical tools to substantive policy areas such as transportation, community development, education, poverty, manpower, and health.

V450 Contemporary Issues in Public Affairs (1-3 cr.) Extensive analysis of selected contemporary issues in public affairs. Topics vary from semester to semester. May be repeated for credit.

V457 Management Science in the Public Sector (3 cr.) P: V348, C201, K300. An intermediate treatment of management science methods with primary application to public managerial decision support. Topics include network analysis, queueing, simulation and others. Computer-based analysis is emphasized.

V461 Computer Applications in Public Affairs (3 cr.) P: K201 or C201; K300; V348; and senior standing. This course is designed to provide students with the essentials of computer hardware and software needed to operate effectively in a public sector environment. The course will emphasize public sector applications using software packages or microcomputers and minicomputers.

V462 Public Management (3 cr.) A senior level survey course in the management of public affairs and administration, with an emphasis on the structure and processes of U.S. and international public and quasi-public agencies.

V468 Research Methods in the Applied Social Sciences (3 cr.) This course will introduce the student to the basic methods, issues, analytical techniques, and ethical considerations of evaluation research.

V471 Urban Management Systems (3 cr.) P: V348 and senior standing. This course is designed to extend the student's skill in applying a variety of qualitative and quantitative methods to the problems of urban government planning and management.

V472 Policy Processes in the U.S. (3 cr.) P: senior standing. Intended as an integrative senior course, primarily for SPEA students. Course content includes analytical perspectives of the policy process, the centers of policy, and the public interest. Selected cases involving problem analysis and decision making on public issues are included, as well as discussion of current policy issues.

V473 Management Applications Seminar (3 cr.) The purpose of this seminar is to provide students with an opportunity to apply the techniques they have learned to an actual situation. Special attention will be paid to feasible as contrasted to desirable solutions. Emphasis will be given to the contextual factors involved in developing feasible solutions.

V490 Directed Research in Public and Environmental Affairs (1-3 cr.) To be arranged with the individual instructor and approved by the chairperson of the Undergraduate Program. May be repeated for credit.

V491 Honors Research in Public and Environmental Affairs (1-3 cr.) P: Approval of instructor and SPEA honors adviser. Restricted to students in the SPEA Honors Program. May be repeated for credit.

V499 Honors Thesis (3 cr.) Required of seniors in the Honors Program. Research and paper to be arranged with individual instructor and approved by the campus SPEA Honors Program director. May be repeated for credit.

Faculty and Senior Professional Staff

Agranoff, Robert, Ph.D. (University of Pittsburgh, 1967), Professor of Public and Environmental Affairs (Graduate School)

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

Audrews, Dennis, M.P.A. (Ball State University, 1981), Adjunct Lecturer of Public and Environmental Affairs (IUE)

Baker, Randall, Ph.D. (University of London, 1968), Professor of Public and Environmental Affairs (Graduate School)

Baumer, Terry L., Ph.D. (Loyola University, 1980), Associate Professor of Public and Environmental Affairs (IUPUI)

Beranek, William, Ph.D. (California Institute of Technology, 1973), Adjunct Associate Professor of Public and Environmental Affairs (IUPUI)

Binkley, Doris, Ph.D. (Virginia Polytechnic Institute and State University, 1980), Adjunct Associate Professor of Public and Environmental Affairs (IUPUI)

Black, William R., Ph.D. (University of Iowa, 1969), Chairman Department of Geography; Professor of Public and Environmental Affairs; Professor of Geography (College of Arts and Sciences, Graduate School)

Bonser, Charles F., D.B.A. (Indiana University, 1963), Dean, School of Public and Environmental Affairs; Professor of Public and Environmental Affairs and Professor of Business Administration (School of Business, Graduate School)

Buhr, James H., B.S. (Indiana University, 1967), Director, Administrative Services

Buhner, John, Ph.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs and Political Science (IUPUI)

Caldwell, Lynton K., Ph.D. (University of Chicago, 1943), Professor Emeritus of Public and Environmental Affairs; Arthur E. Bentley Professor Emeritus of Political Science

Carrington, Michael D., M.A.L.S. (Valparaiso University, 1971) Adjunct Assistant Professor of Public and Environmental Affairs (South Bend)

Catlin, Robert, Ph.D. (Claremont Graduate School, 1976), Professor of Afro-American Studies and Chairman, Department of Minority Studies and Adjunct Professor of Public and Environmental Affairs (Northwest)

Charles, Michael, Ph.D. (Michigan State University, 1978), Associate Professor of Public and Environmental Affairs (Fort Wayne)

Chu, David K.W., Ph.D. (Indiana University, 1985), Assistant Professor of Public and Environmental Affairs (IUPUI)

Conour, William, J.D. (Indiana University, 1974), Adjunct Associate Professor of Public and Environmental Affairs (IUPUI)

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

Dunning, Jeremy D., Ph.D. (University of North Carolina, 1978), Associate Dean, Research and Graduate Development; Associate Professor (part-time) of Public and Environmental Affairs; and Associate Professor of Geology

Foster, Dorothy, M.Ed. (University of Missouri-St. Louis, 1973), Undergraduate Counselor

Froebe, Doris, Ph.D. (University of Maryland, 1970), Chairman and Professor of Nursing Administration Graduate Program; Professor (part-time) of Public and Environmental Affairs (IUPUI)

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

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

Good, David H., Ph.D. (University of Pennsylvania, 1985), Assistant Professor of Public and Environmental Affairs

Good, Richard P., J.D. (Indiana University, 1959), Adjunct Associate Professor of Public and Environmental Affairs (IUPUI)

Grant, Jane, Ph.D. (University of California, Berkeley, 1981), Assistant Professor of Public and Environmental Affairs (Fort Wayne)

Griffis, Braudon, L.L.B. (Indiana University, 1949), Adjunct Associate Professor of Public and Environmental Affairs (East)

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

Haitjema, Hendrik, Ph.D. (University of Minnesota, 1982), Associate Professor of Public and Environmental Affairs (Graduate School)

Hayes, John M., Ph.D. (M.I.T., 1966), Professor of Public and Environmental Affairs (part-time), Chemistry and Geo-chemistry (College of Arts and Sciences, Graduate School)

Hayford, Stephen L., Ph.D. (University of Iowa, 1975), Associate Professor of Public and Environmental Affairs

- Haynes, Kingsley, Ph.D. (*The Johns Hopkins University*, 1971), Director, Regional Economic Development Institute; Professor of Public and Environmental Affairs and Professor (part-time) of Geography (Graduate School)
- Heler, Edward, Ph.D. (*Syracuse University*, 1985), Assistant Professor of Public and Environmental Affairs (Northwest)
- Herman, Michael, M.A. (*Valparaiso University*, 1973), Adjunct Lecturer of Public and Environmental Affairs (Northwest)
- Hieftje, Gary M., Ph.D. (*University of Illinois*, 1969), Professor of Public and Environmental Affairs (part-time) and Chemistry (College of Arts and Sciences, Graduate School)
- Hites, Ronald A., Ph.D. (M.I.T., 1968), Professor of Public and Environmental Affairs and Chemistry (part-time) (Graduate School)
- Hojnacki, William P., Ph.D. (*University of Notre Dame*, 1977), Director, Division of Public and Environmental Affairs; Associate Professor of Public and Environmental Affairs (South Bend)
- Holowaty, Michael O., Ph.D. (*University of Breslau*, 1944), Director of Laboratories for Environmental Research; Adjunct Professor of Public and Environmental Affairs (Northwest)
- Hooft, Francis W., Ph.D. (*Northwestern*, 1970), Professor of Political Science and Professor (part-time) of Public and Environmental Affairs (Graduate School)
- Hopkins, Jack W., Ph.D. (*University of Florida*, 1966), Professor of Public and Environmental Affairs (Graduate School)
- Hug, Richard W., Ph.D. (*Syracuse University*, 1985), Assistant Professor of Public and Environmental Affairs (Northwest)
- Hunger, John M., Ph.D. (*Indiana University*, 1961), Associate Dean, Professor of Public and Environmental Affairs (IUPUI)
- Irvine, John M., J.D. (*Indiana University*, 1970), Director, Student Legal Services; Adjunct Assistant Professor of Public and Environmental Affairs
- Jain, Chaman L., Ph.D. (*Indiana University*, 1975), Adjunct Assistant Professor of Public and Environmental Affairs
- Johnson, Carlyn E., J.D. (*Indiana University*, 1963), Professor of Public and Environmental Affairs; Adjunct Professor of Law (IUPUI)
- Johnson, John, M.D. (*Indiana University*, 1974), Adjunct Associate Professor of Public and Environmental Affairs (Northwest)
- Jones, William, M.S. (*University of Wisconsin*, 1972), Director, Environmental System Application Center; Adjunct Lecturer of Public and Environmental Affairs
- Junker, Roy, Ph.D. (*Duke University*, 1955), Provost, Cooperative Program in Malaysia
- Professor of Public and Environmental Affairs (Graduate School)
- Kiesling, Herbert J., Ph.D. (*Harvard University*, 1966), Professor of Economics (College of Arts and Sciences, Graduate School); Professor of Public and Environmental Affairs
- Kissel, John C., Ph.D. (*Stanford University*, 1985), Assistant Professor of Public and Environmental Affairs
- Konsoulas, James P., M.S. (*Indiana State University*, 1979), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)
- Kragle, John H., Ed.D. (*Indiana University*, 1981), Assistant Dean for Academic Administration; Associate Professor of Public and Environmental Affairs
- Krauss, John, J.D. (*Indiana University*, 1976), Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)
- Lang, Stella S., Ph.D. candidate (*Washington University*), Lecturer of Public and Environmental Affairs (South Bend)
- LeBlanc, Louis A., Ph.D. (*Texas A & M University*, 1978), Associate Professor of Public and Environmental Affairs
- Lehnen, Robert G., Ph.D. (*University of Iowa*, 1958), Professor of Public and Environmental Affairs (IUPUI) (Graduate School)
- Liehl, John T., Ph.D. (*Yale University*, 1952), Adjunct Professor of Public and Environmental Affairs; Professor of Sociology (IUPUI)
- Lindlow, H. Glenn, Ph.D. (*Indiana University*, 1950), Professor Emeritus of Education and Public and Environmental Affairs
- Lindwin, William G., Ph.D. (*State University of New York*, 1976), Associate Professor of Public and Environmental Affairs (Fort Wayne)
- Martin, Gary L., M.P.A. (*Indiana University*, 1976), Adjunct Lecturer of Public and Environmental Affairs (Northwest)
- Maxfield, Michael G., Ph.D. (*Northwestern University*, 1979), Associate Professor of Public and Environmental Affairs and Assistant Professor of Criminal Justice (part-time) (Graduate School)
- McDonald, Stephen T., M.B.A. (*Indiana University*, 1971), Research Scientist, Transportation Research Center
- McGregor, Eugene B., Jr. Ph.D. (*Syracuse University*, 1968), Professor of Public and Environmental Affairs and Professor (part-time) of Political Science (Graduate School)
- McHugh, Gerald, D.B.A. (*George Washington University*, 1973), Director, Graduate Program in Health Administration; Associate Professor of Public and Environmental Affairs (IUPUI)
- McSwane, David Z., H.S.D. (*Indiana University*, 1980), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Meinschein, Warren G., Ph.D. (*University of Texas*, 1951), Professor Emeritus of Public and Environmental Affairs; Professor of Geochemistry
- Mendelsohn, Robert L., Ph.D. (*Michigan State University*, 1970), Associate Professor of Public and Environmental Affairs (IUPUI) (Graduate School)
- Merritt, John S., M.P.A. (*Indiana University*, 1977), Director, Development and External Affairs and Adjunct Lecturer of Public and Environmental Affairs
- Metzens, Richard H., Ed.D. (*University of Illinois*, 1968), Associate Professor of Public and Environmental Affairs (South Bend)
- Mikesell, John L., Ph.D. (*University of Illinois*, 1969), Associate Dean for Academic Affairs; Professor of Public and Environmental Affairs (Graduate School)
- Miller, Theodore K., Ph.D. (*University of Iowa*, 1970), Director, Public Affairs Graduate Program; Associate Professor of Public and Environmental Affairs; Associate Professor (part-time) of Geography (College of Arts and Sciences, Graduate School)
- Moffatt, Charles, Ph.D. (*Tulane University*, 1968), Associate Professor of Public and Environmental Affairs
- Moran, Emilio, Ph.D. (*University of Florida*, 1975), Associate Professor of Anthropology and Associate Professor (part-time) of Public and Environmental Affairs
- Morgan, E. Phillip, Ph.D. (*Syracuse University*, 1970), Associate Professor of Public and Environmental Affairs (Graduate School)
- Murray, Kenneth R., Ph.D. (*Purdue University*, 1973), Associate Professor of Public and Environmental Affairs (Graduate School)
- Nelson, Craig E., Ph.D. (*University of Texas*, 1966), Associate Professor of Public and Environmental Affairs (part-time); Associate Professor of Zoology (College of Arts and Sciences)
- Nicholson, Edward A., Ph.D. (*Ohio State University*, 1970), Vice Chancellor, Dean of the Faculty, Professor of Business Administration and Public and Environmental Affairs (Fort Wayne)
- Nusbaum, Shirley, M.P.A. (*Indiana University*, 1982), Assistant Dean of the Faculties for Faculty Records; Lecturer (part-time) of Public and Environmental Affairs (IUPUI)
- O'Lesker, Karl, Ph.D. (*Indiana University*, 1959), Professor of Public and Environmental Affairs (Graduate School)
- O'Meara, Patrick, Ph.D. (*Indiana University*, 1970), Professor of Public and Environmental Affairs; Director, African Studies Program; Associate Professor of Political Science (College of Arts and Sciences, Graduate School)
- Oster, Clinton V., Jr., Ph.D. (*Harvard University*, 1977), Director, Transportation Research Center, Associate Professor of Public and Environmental Affairs (Graduate School)
- Ostrom, Elinor, Ph.D. (*University of California, Los Angeles*, 1965), Chairperson and Professor of Political Science and Professor (part-time) of Public and Environmental Affairs (College of Arts and Sciences, Graduate School)
- Ottensmahn, John R., Ph.D. (*University of North Carolina at Chapel Hill*, 1974), Associate Professor of Public and Environmental Affairs and Adjunct Associate Professor of Geography (IUPUI)
- Owen, C. James, Ph.D. (*University of Notre Dame*, 1973), Assistant Professor of Public and Environmental Affairs (Fort Wayne)
- Palmer, James A., J.D. (*Indiana University*, 1972), Research Scientist, Transportation Research Center
- Palmer, Judith G., J.D. (*Indiana University*, 1974), Special Assistant to the President and Associate Professor (part-time) of Public and Environmental Affairs
- Parkhurst, David F., Ph.D. (*University of Wisconsin*, 1970), Associate Professor of Public and Environmental Affairs; Associate Professor (part-time) of Biology (College of Arts and Sciences, Graduate School)
- Parks, Roger B., Ph.D. (*Indiana University*, 1979), Director, Center in Policy and Public Management; Associate Professor of Public and Environmental Affairs (Graduate School)
- Parnish, Michael, M.L.S. (*Indiana University*, 1960), Librarian, Head Business/SPEA Library, Adjunct Associate Professor of Public and Environmental Affairs
- Patterson, D. Jeanne, D.B.A. (*Indiana University*, 1967), Associate Professor of Public and Environmental Affairs (Graduate School)
- Pellicciotti, Joseph, J.D. (*Conzaga University*, 1976), Assistant Professor of Public and Environmental Affairs (Northwest)
- Perry, James L., Ph.D. (*Syracuse University*, 1974), Professor of Public and Environmental Affairs (Graduate School)
- Peza, James, J.D. (*Indiana University*, 1961), Associate Professor of Public and Environmental Affairs; Adjunct Professor of Law (IUPUI)
- Pirog-Good, Maureen, Ph.D. (*University of Pennsylvania*, 1981), Assistant Professor of Public and Environmental Affairs (Bloomington)
- Pitts, C. Michael, M.P.A. (*Indiana University*, 1976), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)
- Poulard, Jean V., Ph.D. (*University of Chicago*, 1976), Assistant Professor of Public and Environmental Affairs (Northwest)

Pulliam, Roger L., Ph.D. (University of Michigan, 1973), Adjunct Assistant Professor of Public and Environmental Affairs (Northwest)

Purnell, George, M.P.A. (University of North Carolina, 1973), Academic Assistant to the Dean and Adjunct Lecturer of Public and Environmental Affairs (IUPUI)

Randolph, James C., Ph.D. (Carlton University, 1972), Associate Dean for Research and External Programs; Professor of Public and Environmental Affairs and Biology (part-time) (College of Arts and Sciences, Graduate School)

Reshkin, Mark, Ph.D. (Indiana University, 1963), Professor of Public and Environmental Affairs and Professor of Geology (Northwest)

Rhodes, Edwardo L., Ph.D. (Carnegie-Mellon University, 1978), Associate Professor of Public and Environmental Affairs

Risler, Walt P., Ph.D. (University of Chicago, 1962), Professor of Public and Environmental Affairs and Professor of Sociology (South Bend)

Ritchie, Ingrid, Ph.D. (University of Minnesota, 1980), Assistant Professor of Public and Environmental Affairs (IUPUI)

Roberts, George C., Ph.D. (Indiana University, 1962), Professor of Political Science (School of Public and Environmental Affairs) (Northwest)

Rowe, Lloyd A., Ph.D. (University of Pennsylvania, 1965), Dean of Academic Affairs; Professor of Political Science and Professor of Public and Environmental Affairs (Northwest)

Rubin, Barry M., Ph.D. (University of Wisconsin, 1977), Associate Professor of Public and Environmental Affairs (Graduate School)

Rubin, Richard S., Ph.D. (Cornell University, 1973), Director, Undergraduate Programs; Professor of Public and Environmental Affairs (Graduate School)

Rutledge, Phillip, L.L.D. (Indiana University, 1980), Director of Division of Public and Environmental Affairs; Professor of Public and Environmental Affairs and Political Science (Northwest)

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

Saywell, Robert, Ph.D. (Colorado State University, 1972), Associate Professor of Public and Environmental Affairs (IUPUI)

Selke, William L., Ph.D. (Michigan State University, 1977), Assistant Professor of Criminal Justice and Assistant Professor (part-time) of Public and Environmental Affairs

Shin, Roy W., Ph.D. (University of Minnesota, 1969), Director, Division of Public and Environmental Affairs; Professor of Public and Environmental Affairs (Fort Wayne)

Shuler, Cloyd, M.A. (Ball State University, 1970), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)

Siffin, William J., Ph.D. (Harvard University, 1957), Director, International Development Research Center; Professor of Public and Environmental Affairs; Professor of Political Science (College of Arts and Sciences) (Graduate School)

Snyder, Thomas P., Ph.D. (Harvard University, 1986), Assistant Professor of Public and Environmental Affairs

Staehle, William, M.A. (Illinois Institute of Technology, 1960), Adjunct Associate Professor of Public and Environmental Affairs (Northwest)

Stegert, Frank X., Ed.D. (Loyola University, 1962), Professor of Public and Environmental Affairs (South Bend)

Stough, Roger, Ph.D. (The Johns Hopkins University, 1978), Associate Professor of Public and Environmental Affairs (IUPUI)

Vilardo, Frank J., Dr. P.H. (University of North Carolina, 1971), Research Scientist, Transportation Research Center; Associate Professor of Public and Environmental Affairs

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

Watson, Kenneth, M.S. (St. Francis College, 1970), Adjunct Associate Professor of Public and Environmental Affairs (Fort Wayne)

White, Jeffrey R., Ph.D. (Syracuse University, 1984), Assistant Professor of Public and Environmental Affairs (Graduate School)

Whitman, Richard L., Ph.D. (Texas A & M University, 1979), Associate Professor of Biology and Adjunct Associate Professor of Public and Environmental Affairs (Northwest)

Wilder, Margaret G., Ph.D. (University of Michigan, 1983), Assistant Professor of Public and Environmental Affairs (Graduate School)

Willard, Daniel E., Ph.D. (University of California at Davis, 1966), Director, Environmental Programs; Professor of Public and Environmental Affairs and Professor (part time) Biology, (Graduate School)

Willbern, York Y., Ph.D. (University of Texas, 1943), Professor Emeritus of Public and Environmental Affairs; University Professor Emeritus of Political Science

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

Wise, Lois, Ph.D. (Indiana University, 1982), Assistant Professor of Public and Environmental Affairs

Wycoff, Paul G., Ph.D. (University of Michigan, 1984), Assistant Professor of Public and Environmental Affairs

Ziegert, Andrea L., Ph.D. (University of North Carolina, 1985), Assistant Professor of Public and Environmental Affairs (IUPUI)

Zollinger, Terrell W., Dr. P.H. (Loma Linda University, 1979), Assistant Professor of Public and Environmental Affairs (IUPUI)

Zorn, Charles Kurt, Ph.D. (Syracuse University, 1981), Assistant Professor of Public and Environmental Affairs (Graduate School)

Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. The University attracts students from all 50 states and around the world. The full-time faculty numbers over 3,000 and includes members of many academic societies such as the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences.

Indiana University was founded at Bloomington in 1820 and is one of the oldest and largest of the state-supported universities. It serves nearly 80,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the University system. Regional campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana's citizens.

The Bloomington Campus

The environment and facilities of the Bloomington campus make it a dynamic place to live and study. Over 32,000 students pursue undergraduate and graduate degrees at Bloomington.

The academic resources of the campus provide both opportunity and challenge. The Indiana University Libraries rank fifteenth in collection size among academic libraries in the United States and Canada. The Lilly Library is internationally known for its collection of rare books and manuscripts. Departments such as biology, chemistry, and physics are engaged in work at the frontiers of knowledge. Particularly notable is the 200-million-volt, variable particle cyclotron, which attracts scientists from around the world. The Schools of Business and Public and Environmental Affairs enjoy high prestige with business and government leaders. Programs of distinction are also offered in arts and sciences; education; health, physical education, and recreation; journalism; law; library and information science; and optometry. The School of Music is the nation's largest and one of its best. There are 75 research centers and institutes on the Bloomington campus, including the Kinsey Institute for Sex, Gender, and Reproduction. An extraordinary variety of lectures and

seminars complement classroom and laboratory inquiry. The University Theatre, the Art Museum, the William Hammond Mathers Museum, and the large Musical Arts Center serve as major resources for the University's programs in the performing and fine arts.

Housing is provided on the Bloomington campus in residence halls, sororities, and fraternities. For married students and their families the University offers apartments and trailers. Students also rent off-campus housing in Bloomington.

The Bloomington campus provides many services for its students. The University Division gives special support and counseling to incoming freshmen, helping them to plan and carry through a sound academic program. Student Health Services, Career and Placement Support Services, Student Legal Services, Counseling and Psychological Services, Disabled Student Services, and services for minority students, women, and veterans are described in the student handbook, which is available from the Dean of Students office.

Indiana University Bloomington is a member of the Big Ten Conference. Men's and women's varsity teams participate in 18 sports. A large intramural sports program provides recreation for students, faculty, and staff. Tennis and squash courts, swimming pools, sports fields, running tracks, basketball courts, and an 18-hole golf course are available. Within a few miles of Bloomington are several thousand acres of state forest, wilderness trails, and lakes for swimming, boating, and fishing.

The Indianapolis Campus

Indiana University-Purdue University at Indianapolis (IUPUI) is an innovative urban campus. IU and Purdue programs and facilities merged at Indianapolis in 1969, and the campus continues to grow in both the range of academic offerings and the physical facilities. IUPUI also offers programs at Columbus, Indiana.

The IUPUI library system consists of six libraries serving the special interests of individual schools. In addition, the entire Indiana University library system is readily available through the interlibrary loan system.

The IU School of Medicine is the second largest in the nation with six teaching hospitals and almost 100 clinics. Significant

research in the medical sciences is carried out in 11 federally funded, research institutes. Research projects are also conducted in many other fields, some in cooperation with government, business, and industry.

Schools at IUPUI are deeply involved in service to citizens, working closely with public and private agencies in providing expertise to solve problems. Such service projects enable students to enrich their education with practical experience.

Lectures, theatre presentations, and other special events are available on campus, and the city provides many locations and programs for the arts, sports, and entertainment. IUPUI has three major athletic facilities, all of which have been the sites of major national and international competitions, including the U.S. Open Clay Court Championships. Men's and women's varsity teams participate in six sports, and an intramural sports program offers recreation for all students.

IUPUI provides on-campus housing for a limited number of students. The Housing Office maintains a list of apartments available off campus in the Indianapolis area.

Services for students are described in the student handbook, available from the Dean for Student Services. They include special services for disabled persons, veterans, women, and foreign students; a day care center; personal counseling; career counseling and job placement; financial aid; and the Student/Employee Health Center.

Policies of the University

Nondiscrimination Policy Indiana University provides its services without regard to sex, age, race, religion, ethnic origin, veteran status, or disability. 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 A statement of students' rights and responsibilities is included in the student handbook, *Ins & Outs*, which contains a description of 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.

Requests for deviation from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or their respective administrative representative). Disposition at each level is final.

Residency Status

Prospective students from out of state should be aware that the criteria for establishing in-state residency and thus qualifying for in-state fee rates are very strict. Except under specific circumstances, persons who have moved to Indiana for the primary purpose of attending a college, university, or other institution of higher education will not be able to qualify for in-state fees during their academic career. Rules for determining residency are listed at the end of this section.

Fees

Credit hour fees listed here were approved at the April 1986 meeting of the Indiana University Board of Trustees. All fees are subject to change by action of the trustees. See the campus *Schedule of Classes* for the most recent fees.

BLOOMINGTON CAMPUS	Indiana Resident	Nonresident
Undergraduate ¹	\$56.50/credit hour	\$159.50/credit hour
Graduate ¹	\$73.75/credit hour	\$201.75/credit hour
Professional		
Law	\$73.75/credit hour	\$201.75/credit hour
Medicine (Combined Degree Program)	\$73.75/credit hour	\$201.75/credit hour
Medicine	\$4200/year	\$9600/year
Optometry	\$73.75/credit hour	\$201.75/credit hour
Thesis enrollment	\$73.75/semester	\$201.75/semester
Auditing (no credit)	\$20/credit hour	\$20/credit hour

Special Fees (Applicable to Residents and Nonresidents)

Application for admission	
United States	\$20
Foreign	\$35
Applied music (majors) ²	\$95/semester
Applied music (nonmajors) ²	\$95/course
Business placement service	\$35
Deferred billing charge ³	\$15
Deposits (to cover loss or damage)	
Baud	\$10
Chemistry (for C343, C344, S343, and S344 only)	\$25
Singing Hoosiers	\$10
Education early experience ⁴	\$22/course
Education placement service	\$35
Education practicum ⁴	\$42/course
Education student teaching ⁴	\$75/course
Film courses ⁵	\$19/course
Health service fee ⁶	\$21.50/semester

¹ Includes credit courses in the School of Continuing Studies.

² Persons who are not enrolled in a degree program are charged \$320 per applied music course.

³ Charge is assessed on date unpaid balance is due.

⁴ Students enrolled in any of the following courses will be assessed a \$22 fee per course:

Elementary Licenses

Kindergarten/Primary: E325, E339, E341, E343, P251

Elementary: E325, E339, E341, E343, P251

Junior High/Middle School: M312, M461, P252

Secondary: M130 or M313, M462, P253

All Grades: M130 or M313 or M336, M462, M463, P254

Special Education: E339, E343, K495

Special Endorsements and Minors

Kindergarten: E337

Junior/Middle: M461

Bilingual/bicultural: L441

Ethnic/cultural: T410

Coaching: HPER P450

Special Education: K495

Family Life: HMEC H453

Driver and Traffic Safety: HPER S456

Reading: X401

⁵ Students enrolled in Education M420 Practicum and/or M550 Practicum will be assessed a \$42 fee per course. The fee is also applicable to the following courses: C524, C624, K595, P595, P596, P695, P696, P699, R473, V580, V690, W410, and X425.

⁶ Students enrolled in student teaching courses M423, M424, M425, M451, M480, M482, M486, and/or M363, K458 will be assessed \$75 per course.

⁷ Film courses assessed \$19 per course include Comparative Literature C190, C291, C390, C391, C392, C393, C394, C491, C492, C493, C390, and C392; English L295 and L395; and French and Italian F391, M390, and M455.

⁸ Students enrolled in more than 3 credit hours will pay a mandatory health service fee of \$21.50 per semester, \$8 for Summer Session I, and \$13.50 for Summer Session II. Students enrolled for 3 credit hours or less will be charged on a full-cost, fee-for-service basis if they use the services of the Student Health Center.

HPER elective courses ⁹	\$15 to \$120
Independent Study	
Undergraduate courses	\$47.75/credit hour
High school level courses	\$41/half-unit course
Journalism laboratory ¹⁰	\$47/course
Laboratory courses ¹¹	\$19/course
Late program change ¹²	\$10/course
Late registration ¹³	\$30 to \$60
Library science (L644) commercial data base fee	\$36
Microscope (medical science courses only)	\$30/semester
Music instrument rental	
Music majors	\$22/semester
Non-music majors	\$32/semester
Nursing clinics ¹⁴	\$9/contact hour
Practice room ¹⁵	\$16/semester
Recital fee (music) ¹⁶	\$20 to \$50

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.

Special examination	\$7.50 to \$17.50
Student activity fee ¹⁷	\$5.45 or \$10.90/semester \$2.75 or \$5.45/summer session

⁹ Health, Physical Education, and Recreation electives that carry special fees in addition to credit-hour fees include billiards, \$15; bowling, \$15; fencing, \$7.50; golf (advanced), \$20; golf (beginning), \$15; horsemanship, \$115; riflery (E161), \$25; sailing, \$25; scuba certification, \$120; shooting sports (S351), \$28; skiing (downhill), \$75; tennis pavilion, \$80; and trap and skeet (E185), \$25. Fees are paid directly to the facility.

¹⁰ Journalism courses assessed a fee of \$47 per course include J200, J210, J343, J344, J351, J352, J353, J354, J490, and J501.

¹¹ Students who are enrolled in the following laboratory courses will be assessed a laboratory fee of \$19 per course:

Afro-American Studies: A100 (performance section only), A110, A120

Biology: B390, B312, B352, B364, B372, L100, L111, L112, L465, L474, M215, M315, M435, M465, M485, Q701, S303, S304, S305, S306, S307, S309, Z216, Z450, Z466

Business: K201, K502

Chemistry: C121, C122, C125, C126, C313, C315, C316, C335, C343, C344, C409, C445, S125, S126, S343, S344

Home Economics: H203, H207, H275, H303, H313, H366, H407, H465, H466, H598, H599

HPER (Nutrition): N120, N320, N432

Medical Sciences: A215, A311, P215

Optometry: V111, V121, V131, V151, V153, V201, V210, V211, V221, V226, V227, V232, V251, V252, V254, V255, V256, V321, V322, V412, V414, V416, V417, V431, V432, V443, V453, V454, V467, V468, V513, V533, V550, V554, V555, V556, V557, V558, V653, V657, V658, V699

Physics: P101, P106, P201, P202, P221, P222, P302, P309, P360, P430, P431, P432, P451, P452, Q202

SPEA: E461, E475, E528, E537, E548, H465

¹² After Drop-and-Add Week (100% refund period), students will be assessed \$10 for each course added, exchanged, or dropped, including a section change, credit hours change, or credit/audit change.

¹³ A late registration processing fee will be assessed any student who does not register during the scheduled registration period. The fee is \$30 for students who register by the last Friday before classes begin and increases by \$10 on the Monday of each successive week to a maximum of \$60. No registrations will be accepted after the sixth week of the semester without the approval of the Dean of Students.

¹⁴ Includes Nursing B302, J350, J351, J352, K490, and P353.

¹⁵ If applied music fee has been paid, no additional fees are charged for practice rooms. Use of practice rooms is limited to one hour per day.

¹⁶ Recital fee consists of \$20 for a one-page program, \$30 for a two-page program. The fee for recording the recital is an additional \$20.

¹⁷ Students enrolled for more than 3 credit hours during the fall and spring semesters will be assessed a mandatory student activity fee of \$10.90. Students enrolled for 3 or fewer credit hours pay a mandatory fee of \$5.45. Summer term students enrolled in more than 3 credit hours pay a mandatory fee of \$5.45; students enrolled in 3 or fewer credit hours pay \$2.75.

Studio courses ¹⁸	\$95/course	
Transcripts		
Active (current) students	\$3	
Inactive (past) students	\$5	
INDIANAPOLIS CAMPUS	Indiana Resident	Nonresident
Undergraduate	\$53.75/credit hour	\$143.00/credit hour
Graduate	\$73.75/credit hour	\$201.75/credit hour
Professional		
Dentistry (Undergraduate)	\$4000/year	\$8400/year
Dentistry (Graduate)	\$73.75/credit hour	\$201.75/credit hour
Law	\$73.75/credit hour	\$201.75/credit hour
Medicine	\$4200/year	\$9600/year
Thesis enrollment	\$73.75/semester	\$201.75/semester
Auditing (no credit)	applicable credit hour rate	

Special Fees (Applicable to Residents and Nonresidents)

Application for admission	
United States	\$20
Foreign	\$35
Deferred billing charge	\$10
HELP programs ¹⁹	\$25 to \$139.50/course
Laboratory courses	\$8.50/contact hour
Late program change ²¹	\$10/course
Late registration ²¹	\$15 to \$60
Nursing clinics	\$9/contact hour
Student activity fee ²²	\$2.50/semester

Fee Refund Schedule

Time of Withdrawal	Refund	Time of Withdrawal	Refund
9 through 16 weeks		1 week or less	
During 1st week of classes or through Drop/Add Day	100%	During 1st day of class	100%
During 2nd week of classes	75%	During 2nd day of classes	50%
During 3rd week of classes	50%	During 3rd day of classes and thereafter	None
During 4th week of classes	25%		
During 5th week of classes and thereafter	None	The refund policy applies to credit hour fees and all course-related mandatory fees, wherein the student is required to pay a specific fee.	
5 through 8 weeks		Procedure Students must apply to the Office of the Registrar and the Office of the Bursar when they withdraw from classes.	
During 1st week of classes or through Drop/Add Day	100%		
During 2nd week of classes	50%		
During 3rd week of classes and thereafter	None		
2 through 4 weeks			
During the 1st and 2nd day or through Drop/Add Day	100%		
During 3rd and 4th day of classes	50%		
During 5th day of classes and thereafter	None		

¹⁸ Students enrolled in any of the following studio courses are assessed a fee of \$95 per course: Journalism 1385 and Telecommunications R208, R309, R407, R408, and R409.

¹⁹ Courses X011, X012, X013, and X014 are \$25. Course X022 is \$161.25 for residents and \$429 for nonresidents.

²⁰ After Drop-and-Add Week (100% refund period), students will be assessed \$10 for each course added, exchanged, or dropped, including a section change, credit hours change, or credit/audit change.

²¹ A \$15 registration fee is in effect upon conclusion of registration through the end of the first week of classes. Late registration after the first week of classes will be assessed as follows: second week, \$30; third week, \$45; fourth week, \$60. No registrations will be accepted after the fourth week of classes without the approval of the Dean of Faculties.

²² Part-time students enrolled in 1-8 credit hours pay \$2.50 per semester. Full-time students enrolled in 9 or more credit hours pay \$5 per semester.

Fee Reductions and Financial Aid

Scholarships and Financial Aid Students can find information about loans and part-time employment through the Office of Scholarships and Financial Aids and through their schools or departments.

Fee Courtesy The following statements describe the privilege of fee courtesy extended to full-time or retired University faculty and staff by the trustees. For a full policy statement, please refer to personnel policy No. 18, revised January 1985, available in the personnel office of each campus.

Fees for a full-time employee (100% F.T.E.) who is appointed within the first week of a semester or summer sessions and enrolled in 1-6 credit hours will be assessed at one-half the resident credit hour rate at the campus where the employee enrolls, for the actual number of hours taken. Fees for more than 6 credit hours in a semester or summer sessions will be assessed at full resident rate on that campus.

The spouse of a full-time (100% F.T.E.) employee appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy consisting of one-half of the resident undergraduate fee rate at the campus where the spouse enrolls for each credit hour up to the maximum of 3 credit hours per semester or summer sessions. This credit will be applied against the full fees of the student at the appropriate resident or nonresident rate.

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

Undergraduate Benefits	Fall & Spring Semesters	Summer I	IUPUI Summer II	Bloomington Summer II
full	12 or more	4	4	6
3/4	9-11	3	3	4-5
1/2	6-8	2	2	3
tuition only	fewer than 6	1	1	1-2
Graduate Benefits				
full	9 or more	4	4	5
3/4	7-8	3	3	4
1/2	5-6	2	3	3
tuition only	fewer than 5	1	1	1-2

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 office of Veterans Affairs of any schedule change that may increase or decrease the number of benefits allowed.

Dependent children of full-time faculty and staff appointed within the first week of a semester or summer session will be entitled to a fee courtesy consisting of one-half of the resident undergraduate fee rate at the campus where the child enrolls. Dependent children are defined as all legally dependent children including stepchildren, children who have employees as their legal guardians, children of retired employees eligible for group life insurance benefits, children of disabled employees receiving long-term disability benefits, and children of deceased employees of 20 years or more full-time service.

The fee courtesy for dependent children will be granted only to students registered at Indiana University and only for the number of credit hours required to complete the curriculum in which the student is enrolled (up to 140 credit hours). This fee courtesy does not apply to graduate or post-baccalaureate professional study.

To receive fee courtesy for dependent children, the full-time employee must fill out the application titled Request for Fee Courtesy — Dependent Children, available from the personnel office of each campus, and return the completed form to the personnel office prior to registration for verification of employment. If this application has not been approved and processed prior to registration, the student will be required to pay full fees and then will be issued a refund for the portion covered by the fee courtesy when the application is approved.

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.

Transfer to Other Indiana University Campuses

The policy stated below concerning transfer credit pertains to undergraduate students only.

Each year many Indiana University students transfer from one campus of the University to another to continue their studies toward a degree. These transfers are often necessitated by financial difficulties, illness, or other personal problems, but just as often they are a matter of personal preference. Few of the other multi-campus universities are organized to facilitate this volume of student migration. Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of course work on the eight campuses.

Students who wish to transfer to another campus should follow these procedures:

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.
2. Contact the department chairperson (or the designated adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers in fine arts must submit portfolios of their work. Music transfer students must be auditioned.
3. As the date of transfer approaches, check with your campus registrar to get information on registration dates and procedures on the other campus. If there is a preregistration or pre-enrollment procedure at the other campus, you should plan to take advantage of it. Contact the registrar of the other campus to determine whether you can fulfill any of these responsibilities by phone. Your registrar has a direct telephone line to all other registrars.
4. When you arrive on the new campus, contact your assigned academic adviser or department chairperson as soon as possible. Discuss your academic progress to date and the additional course work required for your program.

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 administered 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.
 - (a) The residence of a student's parents or guardians.
 - (b) The situs of the source of the student's income.
 - (c) To whom a student pays his or her taxes, including property taxes.
 - (d) The state in which a student's automobile is registered.
 - (e) The state issuing the student's driver's license.
 - (f) Where the student is registered to vote.
 - (g) The marriage of the student to a resident of Indiana.
 - (h) Ownership of property in Indiana and outside of Indiana.
 - (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
 - (j) The place of the student's summer employment, attendance at summer school, or vacation.
 - (k) The student's future plans including committed place of future employment or future studies.
 - (l) 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.