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INDIANA UNIVERSITY Bulletin

School of
**PUBLIC AND
ENVIRONMENTAL
AFFAIRS**
**UNDERGRADUATE
PROGRAMS**

94/96

INDIANA UNIVERSITY BULLETIN
Indiana University
Bloomington, Indiana 47405

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We Are One University With Eight Front Doors



When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. Indiana University is one of the nation's oldest and largest state universities, with eight campuses serving 94,000 students. IU also offers courses through facilities at Columbus, Elkhart, and many other sites.

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

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School of Public and Environmental Affairs

The School of Public and Environmental Affairs (SPEA) is a multidisciplinary division of Indiana University. The school is organized as a professional school, committed to teaching, research, and service. 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 affairs; environmental science and policy; criminal justice, law, and public safety; 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 natural, behavioral, social, and administrative sciences.

SPEA, because of its broad program base, offers scientific and technical assistance to Indiana communities from any of the eight IU campuses. The organizational design of the school reinforces a wide network of continuing relations with a large number of public agencies at all levels of government.

The School of Public and Environmental Affairs offers four bachelor of science degrees and two associate of science degrees. These programs provide a sound general education with specialized study of criminal justice, public affairs, public health, or environmental systems. The school offers, for students in other disciplines, a minor and four certificate programs.

Career Center

The Bloomington-based Career Center assists students in making the transition from the university setting to the working world. The center's career-planning functions include a course (V352) and workshops on career planning, an alumni mentoring program, a resume preparation service, an internship program, and an extensive career library.

Career planning complements the student's efforts to find employment. Self-assessment and self-presentation skills are taught in the career-planning class and in workshops. The center's library has employment bulletins, directories, and constantly updated job listings. On-campus recruiting brings increasing numbers of employers to SPEA to interview students for employment.

Internships are strongly encouraged because they allow students the opportunity to apply

classroom theory and techniques to real-life experiences. The internship program is designed for maximum flexibility so that many valid learning experiences can qualify as an internship. Work can be full- or part-time, paid or unpaid, credit or noncredit; however, prior approval by the student's faculty adviser is always required.

After obtaining approval for an internship, a student may register for 1 to 6 credit hours per semester in V380, earning 1 credit hour for every 80 hours of work. A maximum of 15 hours of elective credit in this course may be permitted with SPEA faculty approval. All credit awarded for an internship will be on an S/F (Satisfactory/Fail) basis. Credit will not be granted for work experience obtained prior to approval of an internship and enrollment in V380.

Students seeking career-planning assistance should check with the center, located on the Bloomington campus in SPEA 200, (812) 855-9639, for answers to specific questions. Career-planning assistance is also available on other campuses. For information contact:

Indianapolis Campus
Career and Employment Services
Business/SPEA 2010
(317) 274-2554

Fort Wayne Campus
Career Services
Student Union Room 113
(219) 481-6472

Northwest Campus
Career and Placement Services
Sycamore 314
(219) 980-6650

South Bend Campus
Career and Placement Services
Administration 139
(219) 237-4425

SPEA Centers, Institutes, Programs, and Services

The School of Public and Environmental Affairs 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 Bowen Research Center, based in Indianapolis, is a joint effort of the School of Medicine and the School of Public and Environmental Affairs. Named for Governor Otis Bowen, the former director of the Department of Health and Human Services, the Bowen Center has become the university's leader in health policy and health services

research. The center's multimillion-dollar research program provides important research opportunities for faculty and students. The center's research foci are primary health care delivery and manpower, rural health care, cost containment and health care financing, and health promotion and disease prevention.

The Business/SPEA Library is a Bloomington branch of the Indiana University Libraries system. It fulfills the research and study needs of the School of Business and the School of Public and Environmental Affairs. The library has extensive resources available through catalogs, indexes, data bases, bibliographies, and Computer-Assisted Reference Services.

The Indiana Education Policy Center provides nonpartisan research on education issues to Indiana policymakers and others interested in improving education. Established by Indiana University in July 1990, the center builds upon the accomplishments of two former initiatives: the Indiana School Finance Project, School of Public and Environmental Affairs at Indianapolis, and the Consortium on Educational Policy Studies, School of Education at Bloomington.

The Environmental Systems Application Center (ESAC) promotes, facilitates, and administers externally funded environmental research within the school. The ESAC staff works with SPEA faculty, staff, and students to identify new research opportunities, prepare proposals, manage project budgets, carry out research, and prepare final reports. Center research often involves investigations of multiple disciplines and sometimes requires investigators from other Indiana University departments or other universities. This interdisciplinary, multi-institutional approach is a particular strength of ESAC. While some basic research is conducted in the center, ESAC research activities typically have a strong public service focus of both state and national significance. Areas of expertise within the center include applied ecology, aquatic chemistry, environmental chemistry, ground-water modeling, hazardous waste management, lake and watershed management, risk assessment, and wetlands ecology. In carrying out its mission, the center utilizes student research assistants whenever possible, providing valuable experience and financial assistance to students in the process.

The Executive Education Program offers state, federal, and not-for-profit leaders and managers concentrated academic offerings as well as short-term noncredit seminars that provide timely and applied management education. Thousands of public managers each

year attend Executive Education Programs to update techniques and hone administrative skills for increased managerial effectiveness.

The Great Lakes Center for Public Affairs and Administration is a unit of the Division of Public and Environmental Affairs on the IU 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.

The Institute for Development Strategies, sponsored by the Office of Research and the University Graduate School and the School of Public and Environmental Affairs, is a 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, national, and international levels. It focuses on mobilization of regional resources for development and conducts research on the causes and consequences of regional change.

The Midwest Regional Center for Global Environmental Change, located on the Bloomington campus, is one of the four regional centers of the National Institute for Global Change that was established in 1990. The Midwest center, together with the other three centers, provides research support to the U.S. Department of Energy in the field of global environmental change. The other regional centers are located at the University of California, Harvard University, and Tulane University. The center supports the mission of the national institute by participating in a variety of research activities that focus on energy policy issues, development of early warning systems for energy-related changes, analysis of energy-related environmental risks, training of environmental scientists, and the preparation of public education programs on global warming.

The Transportation Research Center was established to coordinate and facilitate the transportation research activities of the university. The center's expertise lies in the areas of transportation safety, urban public transit, transport management, and transport regulatory policy. The center uses a staff of professional researchers, faculty, and graduate students in performing research projects for federal, state, and local government agencies and for the private sector.

SPEA Alumni Association

SPEA maintains contact with alumni through the SPEA Alumni Association, a constituent society within the parent Indiana University Alumni Association. The SPEA Alumni Association publishes the school's newsletter, *Alumni Update*, mailed three times a year to more than 10,000 SPEA alumni located in all 50 states and 21 foreign countries. Through this newsletter alumni, faculty, and students are able to maintain contact. The SPEA Alumni Association also sponsors alumni events in several major cities including Chicago, Indianapolis, and Washington, D.C. These receptions offer alumni an opportunity to renew old friendships, meet new friends, and visit with faculty. In addition, the SPEA Alumni Association hosts receptions at the annual conferences of the American Society of Public Affairs and the National Association of Schools of Public Affairs and Administration, as well as annual commencement activities for graduates and their families. The SPEA Alumni Association is governed by an elected 16-member board of directors, which meets biannually.

Alpha Phi Sigma

Alpha Phi Sigma is the national criminal justice honor society with chapters established on the Northwest and Indianapolis campuses of Indiana University. The society recognizes scholastic excellence of students in the field of criminal justice. It was founded in 1942 and was admitted to the Association of College Honor Societies in 1980. To be eligible, undergraduate students must have earned an overall 3.00 grade point average for at least 40 credit hours of course work, and must include at least four criminal justice courses with a minimum 3.20 grade point average. To remain in good standing, students must maintain an overall 3.00 grade point average and a 3.20 grade point average in all criminal justice courses completed.

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. 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.

Undergraduate students are eligible when they are in the top 10 percent of their graduating class with a minimum grade point average of 3.50 in at least 15 credit hours of SPEA courses, are in the last semester of the junior year or in the senior year, and have at least a 3.00 grade point average in all course work.

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

Honorary membership is available to any person who has achieved distinction in public administration and who has the distinguished qualities that Pi Alpha Alpha fosters.

The Undergraduate Programs

The School of Public and Environmental Affairs offers a wide range of undergraduate programs at 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 Bachelor of Science in Public Affairs (B.S.P.A.), the Bachelor of Science in Public Health (B.S.P.H.), the Bachelor of Science in Health Services Management (B.S.H.S.M.), the Bachelor of Science in Criminal Justice (B.S.C.J.), Associate of Science in Criminal Justice (A.S.C.J.), and the Associate of Science in Public Affairs (A.S.P.A.). In addition, the undergraduate program includes a minor in Public and Environmental Affairs and area certificate programs in environmental studies, public affairs, public health, and urban studies. Not all degrees and certificates are offered at all campuses.

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 260
Indiana University
Bloomington, IN 47405-2100
(812) 855-3475

Indianapolis
Office of the Dean
School of Public and Environmental Affairs
Business/SPEA Building 3025
Indiana University—Purdue University
Indianapolis
801 W. Michigan Street
Indianapolis, IN 46223-5150
(317) 274-4656

Fort Wayne
Director
Division of Public and Environmental Affairs
Neff Hall 260
Indiana University—Purdue University Fort Wayne
2101 Coliseum Boulevard East
Fort Wayne, IN 46805-1499
(219) 481-6351

Kokomo
Director of Admissions
Student Services, Indiana University Kokomo
2300 S. Washington Street
Kokomo, IN 46902-3500
(317) 453-2000

Northwest (Gary)
Director
Division of Public and Environmental Affairs
Indiana University Northwest
3400 Broadway
Gary, IN 46408-1197
(219) 980-6695

East (Richmond)
Director of Admissions
Indiana University East
2325 Chester Boulevard
Richmond, IN 47374-1289
(317) 973-8208

South Bend
Director
Division of Public and Environmental Affairs
Indiana University South Bend
1700 Mishawaka Avenue
P.O. Box 7111
South Bend, IN 46634-7111
(219) 237-4131

Requirements for Admission

Admission to the School of Public and Environmental Affairs on all campuses, except Bloomington and Indianapolis, requires sophomore standing and a minimum cumulative grade point average of 2.00.

SPEA Bloomington requires application to its undergraduate programs and has a competitive admission process. This requires students to complete the following six courses with a C or higher in each: SPEA V170, English W131 or option, Economics E201, one approved math course, Political Science Y103, and Computer Science A106 or option.

Students should apply for admission when they are enrolled in their last preadmission course(s). Admission decisions are based on grades in the above six courses and on the cumulative GPA. A minimum cumulative GPA requirement for admission is established each semester. For students who have completed a higher number of credit hours, a higher minimum grade point average may be established.

Applications for the Bloomington programs are available in the SPEA Undergraduate Advising Office, SPEA 240, and in University Division, Maxwell Hall 108. Application deadlines are May 1 for fall admission and December 1 for spring admission.

SPEA Indianapolis has a special program to admit freshman students directly to SPEA. To be eligible for direct admission, applicants must meet the general university and campus requirements for admission, have a combined

SAT (or equivalent) test score of 900, be in the top quartile in their high school ranking, and score at the college level in English, mathematics, and reading on the IUPUI placement tests.

Applicants who have already graduated from high school and who have not taken the SAT or equivalent test will be required to score at the college level in English, mathematics, and reading on the IUPUI placement tests to be eligible for direct admission to SPEA Indianapolis.

Students who do not qualify for direct admission or choose not to apply for freshman-level entry may be admitted to the School of Public and Environmental Affairs after they have completed 26 credit hours (sophomore standing) with a minimum cumulative grade point average of 2.00.

Inter-campus Transfer

Students admitted to the School of Public and Environmental Affairs at any campus of Indiana University may transfer permanently to SPEA on another campus, provided they meet the requirements for admission and good academic standing at the desired campus. Students wanting a temporary inter-campus transfer need only meet the good academic standing requirements.

Policies Governing the Undergraduate Program

The following academic policies of the School of Public and Environmental Affairs are applicable to all SPEA undergraduate programs regardless of the campus where they are offered. Additional policies at individual campuses may also apply to SPEA students.

Grading Policies SPEA follows the official grading system of Indiana University, which is as follows:

A+, A	= 4.00	C	= 2.00
A-	= 3.70	C-	= 1.70
B+	= 3.30	D+	= 1.30
B	= 3.00	D	= 1.00
B-	= 2.70	D-	= 0.70
C+	= 2.30	F	= 0.00

The following grades carry no points: I (Incomplete—an Incomplete will change to an F if the work is not completed within the time period specified by the instructor (an instructor can specify any period of time up to one year), NR (No Grade Reported), P (Pass), R (Deferred), S (Satisfactory), W (Withdrawal—check the current *Schedule of Classes* for deadlines). SPEA students who have retaken a previously failed course (must be the same department and course number)

may request to have only the last grade computed in their grade point average. The original F will be replaced by an FX. Requests will be honored only for a maximum of three courses totaling no more than 10 credit hours. In the event a course is failed twice, only one F can be removed.

Good Academic Standing Students are in good academic standing when their semester and their cumulative grade point averages are 2.00 or above, and their grade point average in all courses counting in the SPEA core and concentration requirements is at least 2.30.

Probation Students will be placed on academic probation if their cumulative or semester grade point average is below 2.00 or their SPEA core and concentration GPA falls below 2.30. In order for the core and concentration GPA to be considered, students must have completed 12 or more credit hours in the core and concentration.

Critical Probation After one semester on probation, students who fail to return to good academic standing will be placed on critical probation. At the discretion of the undergraduate program director, these students could be dismissed. If a student is given the opportunity to enroll under critical probation, SPEA will establish strict conditions that must be met before that student will be allowed to register for future classes.

Dismissal Students will be dismissed if they fail to return to good academic standing after one semester on critical probation. Students may also be dismissed if, in the opinion of the undergraduate program director, they are not making satisfactory progress toward their degrees.

Readmission Dismissed students must petition their campus undergraduate program director for readmission. Dismissed students whose petitions are denied will not be allowed to register.

Grade Appeals Students generally have one year to appeal a grade given by a SPEA faculty member. Resolution of the issue with the class instructor must be attempted before submitting a written appeal to the appropriate program director.

Student Rights and Responsibilities These provide for due process in the event of disciplinary or other actions, and are explained in detail in the student handbook, *Code of Student Ethics*. In accordance with federal law, student records are confidential and are available to other persons only under specific conditions as outlined in university regulations. Students are responsible for planning their own academic programs and for meeting the requirements for their degree.

or certificate programs. Faculty and academic advisers are obligated only to assist students in meeting this responsibility.

Academic Integrity This is a basic principle requiring that students take credit only for ideas and efforts that are their own. Academic dishonesty violates that principle and undermines the bonds of trust and cooperation among members of the university community. Penalties and procedures that are applicable when academic misconduct or dishonesty occurs are provided in the *Code of Student Ethics*. The policy on academic dishonesty is also published each semester in the *Bloomington Schedule of Classes*.

Other Policies Concerning Degree Requirements

Bulletin Policy Students may choose to fulfill the degree requirements listed in the bulletin current at their matriculation or those in effect at the time of their graduation. Requests for deviation from requirements listed in the bulletin must be approved in writing by the program director, whose decision is final.

Hours Requirements Students must successfully complete a minimum of 120 credit hours for the Bachelor of Science degree and a minimum of 60 credit hours for the Associate of Science degree. The campus at which a student completes the plurality of required course work will award the degree, provided that campus is authorized to grant the degree/concentration and that the student has been admitted to that campus. Students may transfer no more than 90 credit hours (60 credits from a junior college) toward a Bachelor of Science degree or 30 credit hours toward an Associate of Science degree. Class standing, based on total credit hours that count toward minimum degree requirements, is as follows: senior, 86 or more; junior, 56-85; sophomore, 26-55; freshman, fewer than 26.

Grade Point Average Requirement A minimum cumulative GPA of 2.00 is required for the B.S. and A.S. degrees. In addition, a SPEA core and concentration GPA of 2.30 must be maintained. For students seeking certificates from SPEA, the minimum GPA requirement is 2.00 in all applicable course work.

Double-Counting Courses taken to meet a specific degree requirement cannot be double counted (used to satisfy any other degree requirement).

Application for Degree All students must fill out an application for degree at the SPEA Records office on their campus. This application is usually filed six (6) months before the expected graduation date.

Degrees Awarded with Distinction SPEA recognizes outstanding performance by awarding bachelor's and associate degrees with three levels of distinction to students who rank within the upper 10 percent of their SPEA graduating class and have completed a minimum of 60 hours at Indiana University for a B.S. (30 hours for the A.S.). The levels of distinction are as follows: highest 3.90 and above, high 3.70 through 3.89, distinction 3.50 through 3.69.

Requirements for a Second Bachelor's Degree Students must petition for approval to work toward a second bachelor's degree. If permission is granted, students are required to take 30 credit hours beyond the credits used for the first bachelor's degree and satisfy all the requirements for the second degree. Generally, SPEA encourages students to work toward a graduate degree rather than a second bachelor's degree.

Available Options A student in good academic standing may choose to take a maximum of eight elective courses (two per academic year) pass/fail for the B.S. degree or two courses for the A.S. degree. Deadlines for exercising this option are published in the *Schedule of Classes* and are strictly enforced.

With prior approval, a student may take three courses totaling no more than 10 credit hours by correspondence through the IU Division of Extended Studies, Independent Study Program. Under no circumstances may a student satisfy a core or concentration requirement by correspondence.

With SPEA faculty approval, a student in good standing may earn a maximum of 15 credit hours of elective credit through the SPEA internship program. The SPEA internship program is described in more detail elsewhere in this bulletin.

SPEA students may choose to pursue a minor from another school or department. Students interested in a minor should contact that department for additional information.

Honors and Accelerated Master's Programs

Sophomores and juniors who have completed at least 45 credit hours with a cumulative grade point average of 3.50 or higher may apply for the Honors Program. The primary requirements are that a student maintain the 3.50 GPA, successfully complete four designated honors courses, and write a senior thesis. Students may propose a unique course of study in consultation with the SPEA honors adviser.

The Accelerated Master's Program (A.M.P.) is a competitive program for outstanding SPEA students. Students may apply to either the Master of Public Affairs (M.P.A.) or the Master of Science in Environmental Science (M.S.E.S.) prior to their senior year.

Participation in this program allows the student to fulfill some graduate program requirements during the senior year. Graduate courses count for both graduate and undergraduate degree requirements, but they cannot exceed 24 credit hours in the M.P.A. program or 18 credit hours in the M.S.E.S. program. Under no circumstances will any requirements be waived for the undergraduate degree program. For additional information, students should contact the graduate program director.

International Programs

SPEA offers three opportunities to study abroad: two one-semester programs in the Netherlands and one yearlong experience in England. Students from all over Europe participate in these programs, which are also open to all Indiana University students. This is an excellent opportunity for students to broaden their horizons in a world of rapid change.

In the fall, students study at Leiden University, which was founded in 1575. In the spring, the program is conducted at Erasmus University in bustling Rotterdam, a major seaport. Each one-semester program allows Indiana University juniors and seniors to enroll in 15 credit hours of courses. Students choose courses in the area of public and environmental affairs, taught with a European perspective.

The yearlong program in England is in Canterbury at the University of Kent, which has a broad curriculum covering areas such as public administration, urban affairs, law, economics, computer science, management, and the arts. Canterbury, 55 miles southeast of London, is an ancient town of narrow streets with a magnificent cathedral as its focal point. The university, however, is modern, having received its Royal Charter in 1965. Since students will be in England for a year, there is ample time to travel throughout England and the Continent.

Students pay regular IU fees for their hours of course work. Additional expenses may accrue due to field trips or individual travel. Students are responsible for housing and round-trip airfare. University of Kent students are also responsible for living expenses while the university is not in session. Any student eligible for financial aid in Bloomington can use these funds to help defray costs.

For additional information in Bloomington, please contact the SPEA International Programs director. On the other campuses, information may be obtained from the SPEA campus director.

Washington Leadership Program

The School of Public and Environmental Affairs offers the Washington Leadership Program each fall and spring semester in Washington, D.C. This program consists of two senior-level seminars (each worth 3 credit hours) and an internship (worth 5 or 6 credit hours). Students complete internships by working four days per week in an assigned congressional office, public interest group, federal agency, or private organization.

Students reside and have their classes in Washington, D.C. Tuition is based on the regular fees for Indiana University, plus any special program charges. Students in the program remain eligible for any scholarships or financial aid they would normally receive as Indiana University students. Interested students should contact the SPEA program or campus director. In Bloomington, students should contact the SPEA Career Center.

Programs by Campus

Bloomington

- 9 B.S. in Public Affairs Concentrations
- 11 Environmental Science and Management
- 11 Management
- 12 Public Financial Management
- 12 Public Policy
- 12 Specialized Study in Public and Environmental Affairs
- 13 B.S. in Public Health Concentration
- 14 Health Administration
- 20 A.S. in Public Affairs Concentrations
- 21 Emergency Services Administration
- 22 Public Administration
- 23 Minor in Public and Environmental Affairs
- 23 Area Certificate Programs
- 23 Environmental Studies
- 25 Public Affairs
- 26 Public Health
- 27 Urban Studies

Indianapolis

- 9 B.S. in Public Affairs Concentrations
- 11 Criminal Justice
- 11 Management
- 12 Specialized Study in Public and Environmental Affairs
- 12 Urban Affairs
- 13 B.S. in Public Health Concentrations
- 14 Environmental Science and Health
- 14 Health Administration
- 15 B.S. in Health Services Management
- 17 B.S. in Criminal Justice
- 19 A.S. in Criminal Justice
- 20 A.S. in Public Affairs Concentrations
- 21 Criminal Justice
- 21 Emergency Services Administration
- 22 Environmental Affairs
- 22 Public Administration
- 23 Area Certificate Programs
- 23 Environmental Studies
- 25 Public Affairs
- 26 Public Health

Fort Wayne

- 9 B.S. in Public Affairs Concentrations
- 11 Criminal Justice
- 11 Health Services Administration
- 11 Management
- 12 Specialized Study in Public and Environmental Affairs
- 17 B.S. in Criminal Justice
- 19 A.S. in Criminal Justice
- 20 A.S. in Public Affairs Concentrations
- 21 Criminal Justice

- 21 Emergency Services Administration
- 22 Public Administration
- 23 Minor in Public and Environmental Affairs
- 23 Area Certificate Programs
- 26 Public Health

Northwest (Gary)

- 9 B.S. in Public Affairs Concentrations
- 11 Criminal Justice
- 11 Health Services Administration
- 11 Management
- 12 Specialized Study in Public and Environmental Affairs
- 17 B.S. in Criminal Justice
- 19 A.S. in Criminal Justice
- 20 A.S. in Public Affairs Concentrations
- 21 Criminal Justice
- 21 Emergency Services Administration
- 22 Environmental Affairs
- 22 Public Administration
- 23 Minor in Public and Environmental Affairs
- 23 Area Certificate Programs
- 25 Public Affairs
- 26 Public Health

South Bend

- 9 B.S. in Public Affairs Concentrations
- 11 Criminal Justice
- 11 Management
- 12 Specialized Study in Public and Environmental Affairs
- 17 B.S. in Criminal Justice
- 19 A.S. in Criminal Justice
- 20 A.S. in Public Affairs Concentrations
- 21 Criminal Justice
- 21 Emergency Services Administration
- 22 Environmental Affairs
- 22 Public Administration
- 23 Minor in Public and Environmental Affairs
- 23 Area Certificate Programs
- 23 Environmental Studies
- 25 Public Affairs
- 26 Public Health
- 27 Urban Studies

East (Richmond)

- 19 A.S. in Criminal Justice
- 20 A.S. in Public Affairs Concentrations
- 21 Criminal Justice
- 22 Public Administration

Kokomo

- 17 B.S. in Criminal Justice
- 19 A.S. in Criminal Justice

Bachelor of Science Degree Programs

The School of Public and Environmental Affairs recognizes the complex problems facing our society such as global warming, hazardous waste, escalating health care costs, balance of trade, and international relations. Through the four bachelor of science degree programs the school develops its students' problem-solving abilities and organizational skills so that they may contribute possible solutions to these and other problems.

Students with a Bachelor of Science in Public Affairs degree can continue their education in law, planning, public affairs, environmental science, or business administration. For those who choose immediate employment, our program is flexible enough to provide the necessary background to begin a career in either the public or the private sector.

The Bachelor of Science in Public Health can lead to graduate study in health administration or other related professional fields. Students can also pursue careers in either the public or private sector in areas such as environmental health, health administration, epidemiology, or health policy and planning.

The Bachelor of Science in Health Services Management is open to experienced health services professionals with an associate degree and credentials in a health field. This program provides specialized management training to qualified students.

The Bachelor of Science in Criminal Justice degree is excellent preparation for a career in corrections, law enforcement, or probation. Students could also continue their education by studying public affairs, law, social work, and other social sciences.

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 South Bend* campuses.

DEGREE REQUIREMENTS

The SPEA curriculum is divided into four categories—general education, electives, public affairs core, and a concentration area. Usually the general education and core requirements are the same throughout the Indiana University system. However, the courses required in each concentration are

specific to an individual campus, as is the availability of the concentrations.

General Education

Communications

(Three courses for a minimum of 9 credit hours)

The following writing course:

ENG W131 Elementary Composition (3 cr.) or equivalent campus option

One of the following:

ENG W231 Professional Writing Skills (3 cr.)

ENG W232 Introduction to Business Writing (3 cr.)

ENG W233 Intermediate Expository Writing (3 cr.) (*Fort Wayne* only)

BUS X204 Business Communications (3 cr.) (*Bloomington and Indianapolis* only)

One of the following speech courses:

COM 114 Fundamentals of Speech Communication (3 cr.)

COMM C104 Voice and Diction (3 cr.)

COMM C110 Fundamentals of Speech Communication (3 cr.)

COMM C180 Introduction to Interpersonal Communication (3 cr.)

COMM C223 Business and Professional Communication (3 cr.)

COMM C227 Argumentation and Debate (3 cr.)

COMM C228 Discussion and Group Methods (3 cr.)

SPCH S121 Public Speaking (3 cr.)

SPCH S122 Interpersonal Communication (3 cr.)

SPCH S205 Introduction to Speech Communication (3 cr.)

SPCH S223 Business and Professional Communication (3 cr.)

SPCH S228 Argumentation and Debate (3 cr.)

SPCH S229 Discussion and Group Methods (3 cr.)

Arts and Humanities

(Five courses for a minimum of 15 credit hours)

The following two courses:

HIST H105 American History I (3 cr.)

HIST H106 American History II (3 cr.)

Three courses from at least two of the following areas:

Afro-American studies

Central Eurasian Studies

Classical studies

Communication and theatre

Comparative literature

English

Fine arts

Folklore

Foreign languages and literature

History

History and philosophy of science

Musicology and music history
Philosophy
Religious studies
Speech
Theatre and drama

Social Sciences

(Six courses for a minimum of 18 credit hours)
The following three courses:
POLS Y103 Introduction to American Politics (3 cr.)
ECON E201 Introduction to Microeconomics (3 cr.)
ECON E202 Introduction to Macroeconomics (3 cr.)

One of the following:

SPEA V371 Financing Public Affairs (3 cr.)
ECON E308 Survey of Public Finance (3 cr.)

Two courses from the following areas:

Anthropology
Criminal justice
Geography (check with an adviser)
Journalism
Linguistics
Political science (not POLS Y103)
Psychology (check with an adviser)
Sociology
Telecommunications
Women's studies

Natural Sciences

(Two to four courses for a minimum of 10 credit hours selected from at least two of the following major areas.)

Many departments limit credit in 100-level courses. Please check with an adviser before taking a second 100-level science course in any of the four areas listed here.

Biology

BIOL L100 Humans and the Biological World (3-5 cr.)
BIOL L104 Introductory Biology Lectures (3 cr.)
BIOL L111 Introduction to Biology: Evolution and Diversity (3 cr.)
BIOL L112 Introduction to Biology: Biological Mechanisms (3 cr.)
BIOL L113 Biology Laboratory (3 cr.)
BIOL N100 Contemporary Biology (3 cr.)
BIOL N107 Introduction to Zoology (3 cr.)
BIOL 108 Biology of Plants (4 cr.)
BIOL 109 Biology of Animals (4 cr.)
BIOL 203 Human Anatomy and Physiology (3 cr.)

Chemistry

CHEM C101 Elementary Chemistry I (3-5 cr.)
CHEM C121 Elementary Chemistry Laboratory I (2 cr.)
CHEM C102 Elementary Chemistry II (3-5 cr.)
CHEM C122 Elementary Chemistry Laboratory II (2 cr.)
CHEM C105 Principles of Chemistry I (3-5 cr.)

CHEM C125 Experimental Chemistry I (2 cr.)
CHEM C106 Principles of Chemistry II (3-5 cr.)
CHEM C126 Experimental Chemistry II (2 cr.)

Earth Sciences

GEOG G107 Physical Systems of the Environment (3-5 cr.)
GEOG G109 Weather and Climate (3 cr.)
GEOL G100 General Geology (3-5 cr.)
GEOL G101 Introduction to Earth Science: Lecture (3 cr.)
GEOL G103 Earth Science: Materials and Processes (3 cr.)
GEOL G104 Earth Science: Evolution of the Earth (3 cr.)
GEOL G105 Earth: Our Habitable Planet (3 cr.)
GEOL G107 Environmental Geology (3 cr.)
GEOL G109 Evolution of the Earth (3 cr.)
GEOL G110 Geology, The Earth's Environment (3 cr.)
GEOL G111 Physical Geology (3 cr.)
GEOL G112 Historical Geology (3 cr.)
GEOL G114 Prehistoric Life (3 cr.)
GEOL G121 Meteorites and Geological Processes in Planets (3 cr.)
GEOL G171 Environmental Geology (3 cr.)

Physics

PHYS P101 Physics in the Modern World (4 cr.)
PHYS P120 Energy and Technology (3 cr.) or
PHYS P110 Energy (2 cr.)
PHYS P201 General Physics I (3-5 cr.)
PHYS 100 Physics in the Modern World (3-5 cr.)
PHYS 131 Concepts in Physics I (3 cr.)
PHYS 132 Concepts in Physics II (3 cr.)
PHYS 200 Physical Environment (3 cr.)

Quantitative Methods (four courses)

(Four courses for a minimum of 12 credit hours.)

One of the following computer courses:
BUS K201 The Computer in Business (2-3 cr.)
CSCI A106 Introduction to Microcomputers and Computing (3 cr.)
CSCI A107 Advanced Microcomputing: Programming within Applications (3 cr.)
CSCI C106 Introduction to Computers and Their Use (3 cr.)
CSCI A201 Introduction to Programming I (4 cr.)
CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)
CSCI 206 Computer Programming (3 cr.)
CSCI 207 Computers in the Social Sciences (3 cr.)
CSCI 208 The Computer in Business (3 cr.)
CPT 115 Introduction to Data Processing (3-5 cr.) and CPT 140 Introduction to Computer Lab I (1 cr.)
CIS 106 Introduction to Computers (3 cr.)
CIS 107 Computer Concepts and Applications (3 cr.)
SPEA V261 Computers in Public Affairs (3 cr.)

Two of the following mathematics courses:
(A calculus course must be taken as one of the two mathematics courses to meet the *Bloomington* or *Indianapolis* SPEA mathematics requirements.)
MATH M118 Finite Mathematics (3 cr.)
MATH M119 Brief Survey of Calculus I (3 cr.)
MATH M215 Calculus I (5 cr.)
MATH 163 Integrated Calculus and Analytic Geometry I (5 cr.)

One of the following statistics courses:

SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)
MATH/PSY K310 Statistical Techniques (3 cr.)
PSY B305 Statistics (3 cr.)
PSY 301 Introduction to Quantitative Topics in Psychology (3 cr.)
SOC R359 Introduction to Sociological Statistics I (3 cr.)
SOC S250-S251 Methods and Statistics I-II (3-3 cr.)
STAT 301 Elementary Statistical Methods I (3 cr.)

General Electives

Additional courses beyond the general education, core, and concentration requirements are needed to complete the minimum of 120 hours required for the degree.

Public Affairs Core

(seven courses)
SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA V264 Urban Structure and Policy (3 cr.)
SPEA E300 Introduction to Environmental Sciences (3 cr.)
SPEA V348 Management Science for Policy Analysis Methods (3 cr.)
SPEA V360 Public Management (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V376 Law and Public Policy (3 cr.)

Areas of Concentration

Each concentration requires six courses.

Criminal Justice

This concentration is available at *Indianapolis*, *Fort Wayne*, *Northwest (Gary)*, and *South Bend*.
The following course:
SPEA J101 The American Criminal Justice System (3 cr.)

One of the following courses:

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

One of the following courses:

SPEA J306 Trial Courts and Criminal Justice (3 cr.)

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

Three additional courses chosen in consultation with a faculty adviser.

Environmental Science and Management
This concentration is available in *Bloomington* only.

Six courses, five of which must be from the following list:

SPEA E325 Computing for Environmental Scientists (1-3 cr.)
SPEA E326 Mathematical Methods in Environmental Sciences (3 cr.)
SPEA E360 Introduction to Biological Resources (3 cr.)
SPEA E400 Topics in Environmental Studies (2-3 cr.) (May be repeated.)
SPEA E410 Environmental Toxicology (3 cr.)
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
SPEA E440 Wetlands: Biology and Regulation (3 cr.)
SPEA E452 Solid and Hazardous Waste Management (3 cr.)
SPEA E455 Limnology (4 cr.)
SPEA E460 Fisheries and Wildlife Management (3 cr.)
SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)
SPEA E465 Environmental Management in the Tropics (3 cr.)
SPEA E470 Elements of Fluid Mechanics (3 cr.)
SPEA E475 Techniques of Environmental Science (3 cr.)

The sixth course may be from this list or it may be chosen in consultation with a faculty adviser.

Health Services Administration

This concentration is available at the *Northwest (Gary)* and *Fort Wayne* campuses only. However, the required courses vary by campus.

Fort Wayne

The following three courses:

SPEA H320 Health Systems Administration (3 cr.)
SPEA H322 Epidemiology (3 cr.)
SPEA H352 Health Finance and Budgeting (3 cr.)

One of the following:

SPEA H371 Human Resources Management in Health Care Facilities (3 cr.)
SPEA V366 Managing Behavior in Public Organizations (3 cr.)
SPEA V373 Personnel Management in the Public Sector (3 cr.)

Two courses from the following:

SPEA H402 Hospital Administration (3 cr.)

SPEA H411 Long Term Care Administration (3 cr.)
 SPEA H455 Topics in Public Health (3 cr.)
 SPEA H474 Health Administration Seminar (3 cr.)
 SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)

Northwest

The following three courses:

SPEA H320 Health Systems Administration (3 cr.)
 SPEA H352 Health Finance and Budgeting (3 cr.)
 SPEA H441 Legal Aspects of Health Care Administration (3 cr.)

Three of the following courses:

SPEA H316 Environmental Health (3 cr.)
 SPEA H322 Principles of Epidemiology (3 cr.)
 SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)
 SPEA H402 Hospital Administration (3 cr.)
 SPEA H474 Health Administration Seminar (3 cr.)
 SPEA V375 Emergency Services Administration (3 cr.)

Management

The management concentration is available on all campuses except *Kokomo* and *East (Richmond)*. However, the required courses vary by campus.

Bloomington, Fort Wayne, and South Bend

The following two courses:

SPEA V366 Managing Behavior in Public Organizations (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)

Four additional courses chosen in consultation with a faculty adviser.

Indianapolis

The following four courses:

SPEA V366 Managing Behavior in Public Organizations (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V370 Research Methods in the Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications Seminar (3 cr.)

Two additional courses chosen from the following:

SPEA V346 Introduction to Government 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 V441 Topics in Financial Management and Policy (3 cr.)
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)

SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)
 SPEA V457 Management Science in the Public Sector (3 cr.)
 SPEA V461 Computer Applications in Public Affairs (3 cr.) or other courses chosen in consultation with a faculty adviser.

Northwest

The following three courses:

SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)

Three additional SPEA courses chosen in consultation with a faculty adviser.

Public Financial Management

This concentration is available on the *Bloomington* campus only.

The following five courses:

BUS A201 Introduction to Accounting I (3 cr.)
 ECON E321 Theory of Prices and Markets (3 cr.)
 SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
 SPEA V441 Topics in Financial Management and Policy (3 cr.)
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)

One additional course chosen in consultation with a faculty adviser.

Public Policy

This concentration is only available on the *Bloomington* campus.

The following course:

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

One of the following three courses:

SPEA V370 Research Methods in the Applied Social Sciences (3 cr.)
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)

Four additional courses chosen in consultation with a faculty adviser.

Urban Affairs

This concentration is available in *Indianapolis* only.

The following two courses:

SPEA V365 Urban Development and Planning (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)

Four additional courses, two of which must be SPEA courses, chosen in consultation with a faculty adviser.

Specialized Study in Public and Environmental Affairs

This concentration is available on all campuses except *Kokomo* and *East (Richmond)*. The courses are the same on all campuses where the concentration is offered; however, *Indianapolis* and *South Bend* require students to have a 3.00 cumulative grade point average and to request permission to pursue this specialized study before completing two courses toward the concentration.

Six courses at the 300-400 level are required, four of which must be SPEA courses. All courses must be chosen in consultation with a faculty adviser.

Bachelor of Science in Public Health

The Bachelor of Science in Public Health is available on the *Bloomington* and *Indianapolis* campuses. However, course work applicable to this degree is offered by SPEA at other campuses. This 120 credit hour degree program has two concentrations: Environmental Science and Health, available in *Indianapolis* only, and Health Administration, offered in *Bloomington* and *Indianapolis*.

DEGREE REQUIREMENTS

Students must satisfy requirements in four main areas: general education, electives, a public health core, and one of the two concentrations.

General Education

Communications

(Three courses for a minimum of 9 credit hours)

The following writing course:

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

One of the following courses:

ENG W231 Professional Writing Skills (3 cr.)
 BUS X204 Business Communications (3 cr.)

One of the following speech courses:

COMM C110 Fundamentals of Speech Communication (3 cr.)
 COMM C180 Introduction to Interpersonal Communication (3 cr.)
 COMM C223 Business and Professional Communication (3 cr.)
 COMM C227 Argumentation and Debate (3 cr.)
 COMM C228 Discussion and Group Methods (3 cr.)
 SPCH S121 Public Speaking (3 cr.)
 SPCH S122 Interpersonal Communication (3 cr.)

SPCH S223 Business and Professional Communication (3 cr.)

SPCH S228 Argumentation and Debate (3 cr.)
 SPCH S229 Discussion and Group Methods (3 cr.)

Social Sciences

(Four courses for a minimum of 12 credit hours)

The following courses:

ECON E201 Introduction to Microeconomics (3 cr.)
 ECON E202 Introduction to Macroeconomics (3 cr.)
 POLS Y103 Introduction to American Politics (3 cr.)

One approved course from one of the following subject areas chosen in consultation with an adviser:

Anthropology
 Geography
 Journalism
 Linguistics
 Political science
 Psychology
 Sociology

Natural Sciences

Two to four of the following courses for 6 to 10 credit hours. Many departments limit credit in 100-level courses. Please check with an adviser before taking a second 100-level science course in any of the departments listed here.

ANAT A215 Basic Human Anatomy (4-5 cr.)
 BIOL L100 Humans and the Biological World (3-5 cr.)
 BIOL L104 Introductory Biology Lectures (3 cr.)
 BIOL L212 The Biology of Food (3 cr.)
 BIOL L302 Topics in Human Biology (3 cr.)
 BIOL N212 Human Biology (2 cr.) and
 BIOL N213 Human Biology Laboratory (1 cr.)
 BIOL N214 Human Biology (2 cr.) and
 BIOL N215 Human Biology Laboratory (1 cr.)
 BIOL N217 Human Physiology (5 cr.)
 BIOL N261 Human Anatomy (5 cr.)
 PHSL P215 Basic Mammalian Physiology (4-5 cr.)
 CHEM C101 Elementary Chemistry I with Laboratory (C121) (5 cr.)
 CHEM C102 Elementary Chemistry II with Laboratory (C122) (5 cr.)
 CHEM C105 Principles of Chemistry I with Laboratory (C125) (5 cr.)
 CHEM C106 Principles of Chemistry II with Laboratory (C126) (5 cr.)

Note: Students concentrating in environmental science and health must take a minimum of 10 credit hours of chemistry.

Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One of the following courses:

BUS K201 The Computer in Business (2-3 cr.)
CSCI C211 Introduction to Computer Science (3-5 cr.)

CSCI A106 Introduction to Microcomputers and Computing (3-5 cr.)

CSCI A107 Advanced Microcomputing:

Programming within Applications (3 cr.)

CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)

CSCI 206 Computer Programming (3 cr.)

CSCI 207 Computer in the Social Sciences (3 cr.)

CSCI 208 The Computer in Business (3 cr.)

CPT 115 Introduction to Data Processing

(3-5 cr.) and CPT 140 Introduction to Computer Lab (1 cr.)

SPEA V261 Computers in Public Affairs (3 cr.)

One of the following courses:

MATH M119 Brief Survey of Calculus (3 cr.)

MATH M215 Calculus I (5 cr.)

One of the following courses:

SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)

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

MATH/PSY K310 Statistical Techniques (3 cr.)

PSY B305 Statistics (3 cr.)

PSY 301 Introduction to Quantitative Topics in Psychology (3 cr.)

SOC R359 Introduction to Sociological Statistics (3 cr.)

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

STAT 301 Elementary Statistical Methods (3 cr.)

Electives

Additional courses beyond the general education, core, and concentration requirements are needed to meet the B.S.P.H. requirement of 120 credit hours.

Public Health Core

(Six courses)

The following four courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA H316 Environmental Health (3 cr.)

SPEA H320 Health Systems Administration (3 cr.)

SPEA V366 Managing Behavior in Public Organizations (3 cr.)

One of the following courses:

SPEA H322 Principles of Epidemiology (3 cr.)

HPER H311 Human Diseases and

Epidemiology (3 cr.)

One of the following courses:

SPEA H342 Community Health Education (3 cr.)

HPER C403 Techniques of Public Health Education (3 cr.)

Areas of Concentration

Both concentrations are offered in *Indianapolis*. In *Bloomington*, however, only the Health Administration concentration is available.

Environmental Science and Health

(13 courses)

The following five courses:

BIOL N251 Introduction to Microbiology (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA H465 Public Health Practicum (2 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

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

One of the following two courses:

SPEA H460 Techniques in Environmental Health (3 cr.)

SPEA E475 Techniques of Environmental Science (3 cr.)

One of the following two courses:

SPEA H466 Public Health Field Experience (1 cr.)

SPEA V380 Internship in Public and Environmental Affairs (1-6 cr.)

Six of the following courses:

SPEA E326 Mathematical Methods in Environmental Science (3 cr.)

SPEA E400 Topics in Environmental Studies (approved topics) (2-3 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 H428 Food Science and Sanitation (3 cr.)

SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)

CHEM C341 Organic Chemistry Lectures I (3 cr.)

GEOL G430 Principles of Hydrology (4 cr.)

GEOG G315 Environmental Conservation (3 cr.)

GEOG G404 Geography of Soils (3 cr.)

Or other courses chosen in consultation with a faculty adviser

Note: It is recommended that Environmental Science and Health Concentration students who are considering careers in medicine, dentistry, or other health professions select additional courses from the following list to fulfill the general electives allowed in the Bachelor of Science in Public Health program.

BIOL M440 Medical Microbiology Lectures (3 cr.)

BIOL M445 Medical Microbiology Lab (2 cr.)

CHEM C341 Organic Chemistry Lectures I (3 cr.)

CHEM C343 Organic Chemistry Laboratory I (1-2 cr.)

CHEM C342 Organic Chemistry Lectures II (3 cr.)

CHEM C344 Organic Chemistry Laboratory II (1-2 cr.)

CHEM C483 Biological Chemistry (3 cr.)

PHYS P201 General Physics I (5 cr.)

PHYS P202 General Physics II (5 cr.)

PHYS P310 Environmental Physics (3 cr.)

PHYS P320 Introduction to Biophysics (3 cr.)

Health Administration

(12 courses)

Indianapolis

The following six courses:

BUS A201 Introduction to Financial Accounting (3 cr.)

SPEA H352 Health Finance and Budgeting (3 cr.)

SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)

SPEA H441 Legal Aspects of Health Care Administration (3 cr.)

SPEA H465 Public Health Practicum (2 cr.)

SPEA H474 Health Administration Seminar (3 cr.)

One of the following two courses:

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

BUS A202 Introduction to Managerial Accounting (3 cr.)

One of the following two courses:

SPEA H466 Public Health Field Experience (1 cr.)

SPEA V380 Internship in Public and Environmental Affairs (2-6 cr.)

Four of the following courses:

SPEA H402 Hospital Administration (3 cr.)

SPEA H411 Long Term Health Care Administration (3 cr.)

SPEA H455 Topics in Public Health (approved topics) (3 cr.)

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

SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)

AHLT W374 Medical Care I (3 cr.)

AHLT W471 Medical Care II (3 cr.)

BUS N300 Principles of Risk and Insurance (3 cr.)

SOC R381 Social Factors in Health and Illness (3 cr.)

SOC R382 Social Organization of Health Care (3 cr.)

Bloomington

The following six courses:

BUS A201 Introduction to Financial Accounting (3 cr.)

SPEA H352 Health Finance and Budgeting (3 cr.)

SPEA H441 Legal Aspects of Health Care Administration (3 cr.)

SPEA H465 Public Health Practicum (2 cr.)

SPEA H474 Health Administration Seminar (3 cr.)

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

One of the following two courses:

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

BUS A202 Introduction to Managerial Accounting (3 cr.)

One of the following two courses:

SPEA H466 Public Health Field Experience (1 cr.)

SPEA V380 Internship in Public and Environmental Affairs (2-6 cr.)

Four of the following courses:

SPEA H402 Hospital Administration (3 cr.)

SPEA H411 Long Term Care Administration (3 cr.)

SPEA H455 Topics in Public Health (approved topics) (3 cr.)

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

SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)

ANTH E375 Mental Illness in Cross Cultural Perspective (3 cr.)

ANTH E400 Undergraduate Seminar (approved topics) (3 cr.)

BUS N300 Principles of Risk and Insurance (3 cr.)

BUS N320 Property-Liability Insurance (3 cr.)

BUS Z300 Organizational Behavior and Leadership (3 cr.) or

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

HPER C366 Health Problems in the Community (3 cr.)

HPER H318 Drug Use in American Society (3 cr.)

HPER H320 The Nature of Cancer (3 cr.)

PSY P320 Social Psychology (3 cr.)

PSY P324 Abnormal Psychology (3 cr.)

REL R373 Religion, Ethics, and Medicine (faculty adviser approval required) (3 cr.)

Bachelor of Science in Health Services Management

This 120 credit hour degree is intended for people who hold an associate degree from an accredited institution and have experience in a health care field. Students who complete this degree are eligible to sit for the Long-Term Care Administrators Examination after they have fulfilled the Administrator-in-Training requirement. At present, the B.S.H.S.M. is offered only in *Indianapolis*, but courses from other campuses may be applied toward this degree.

DEGREE REQUIREMENTS

These requirements are divided into four main areas: general education, electives, a management core, and the health services concentration courses.

General Education

Communications

(Three courses for a minimum of 9 credit hours)

The following writing course:

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

One of the following:

ENG W231 Professional Writing Skills (3 cr.)
BUS X204 Business Communications (3 cr.)

One of the following speech courses:

COMM C110 Fundamentals of Speech Communication (3 cr.)

COMM C180 Introduction to Interpersonal Communication (3 cr.)

COMM C223 Business and Professional Communication (3 cr.)

COMM C227 Argumentation and Debate (3 cr.)

COMM C228 Discussion and Group Methods (3 cr.)

Arts and Humanities

(One course for a minimum of 3 credit hours from any of the following subject areas)

Afro-American studies

Classical studies

Communication and theatre

Comparative literature

English

Fine arts

Folklore

Foreign languages and literature

History

History and philosophy of science

Musicology and music history

Philosophy

Religious studies

Speech

Theatre and drama

Social Sciences

(Four courses for a minimum of 12 credit hours)

The following courses:

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

POLS 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

Natural Sciences

(Four courses for a minimum of 12 credit hours)

The following courses:

BIOL N212 Human Biology (2 cr.) and

BIOL N213 Human Biology Laboratory (1 cr.)

BIOL N214 Human Biology (2 cr.) and

BIOL N215 Human Biology Laboratory (1 cr.)

Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One computer course:

SPEA V261 Computers in Public Affairs (3 cr.) or approved option

One of the following courses:

MATH M119 Brief Survey of Calculus (3 cr.)

MATH I63 Integrated Calculus and Analytic Geometry I (3 cr.)

MATH M215 Calculus I (5 cr.)

One of the following courses:

SPEA K300 Statistical Techniques (3 cr.)

ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.) or approved option

General Electives

Sufficient additional courses beyond the general education, core, and concentration requirements are needed to reach the minimum of 120 credit hours required for the degree.

Management Core

The following four courses:

SPEA V346 Introduction to Government

Accounting and Financial Reporting (3 cr.)

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

SPEA V360 Public Management (3 cr.)

SPEA V366 Managing Behavior in Public Organizations (3 cr.)

Health Services Management

Concentration

(nine courses)

The following five courses:

SPEA H316 Environmental Health (3 cr.)

SPEA H320 Health Systems Administration (3 cr.)

SPEA H322 Principles of Epidemiology (3 cr.)

SPEA H352 Health Finance and Budgeting (3 cr.)

SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)

Four of the following five courses:

SPEA H402 Hospital Administration (3 cr.)

SPEA H411 Long Term Care Administration (3 cr.)

SPEA H441 Legal Aspects of Health Care Administration (3 cr.)

SPEA H455 Topics in Public Health (3 cr.)

SPEA H474 Health Administration Seminar (3 cr.)

Bachelor of Science in Criminal Justice

The Bachelor of Science in Criminal Justice requires 120 credit hours and is offered at the *Indianapolis*, *Fort Wayne*, *Kokomo*, *Northwest (Cory)*, and *South Bend* campuses.

DEGREE REQUIREMENTS

The program includes four main areas: general education; general electives; public affairs and policy; and criminal justice.

General Education

Communications

(Three courses for a minimum of 9 credit hours)

The following course:

ENG W131 Elementary Composition (3 cr.) or equivalent campus option

One of the following:

ENG W231 Professional Writing Skills (3 cr.)

ENG W233 Intermediate Expository Writing (3 cr.) (*Fort Wayne* campus only)

One of the following speech courses:

COMM C104 Voice and Diction (3 cr.)

COMM C110 Fundamentals of Speech Communication (3 cr.)

COMM C180 Introduction to Interpersonal Communication (3 cr.)

COMM C223 Business and Professional Communication (3 cr.)

COMM C227 Argumentation and Debate (3 cr.)

COMM C228 Discussion and Group Methods (3 cr.)

SPCH S121 Public Speaking (3 cr.)

SPCH S122 Interpersonal Communication (3 cr.)

SPCH S223 Business and Professional Communication (3 cr.)

SPCH S228 Argumentation and Debate (3 cr.)

SPCH S229 Discussion and Group Methods (3 cr.)

Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:

MATH M118 Finite Mathematics (3 cr.)

MATH M119 Brief Survey of Calculus I (3 cr.)

MATH M215 Calculus I (5 cr.)

MATH I63 Integrated Calculus and Analytic Geometry I (5 cr.)

Other approved mathematics courses.

One of the following statistics courses:

SPEA K300 Statistical Techniques (3 cr.)

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

SOC R359 Introduction to Sociological Statistics (3 cr.)

Other approved statistics courses.

One of the following computer courses:

SPEA V261 Computers in Public Affairs (3 cr.)

BUS K201 The Computer in Business (2-3 cr.)

CSCI C106 Introduction to Computers and Their Use (3 cr.)

CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)

CSCI 206 Computer Programming (3 cr.)

CSCI 207 Computers in the Social Sciences (3 cr.)

CSCI 208 The Computer in Business (3 cr.)

CPT 115 Introduction to Data Processing (3 cr.) and CPT 140 Introduction to Computer Lab I (1 cr.)

Or other approved computer course.

Arts and Humanities

(Four courses for a minimum of 12 credit hours)

Two of the following courses not used to satisfy another degree requirement:

HIST H105 American History I (3 cr.)

HIST H106 American History II (3 cr.)

HIST A325 American Constitutional History I (3 cr.)

HIST A326 American Constitutional History II (3 cr.)

POLS Y304 American Constitutional Law I (3 cr.)

POLS Y305 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 theatre
Comparative literature
English
Fine arts
Foreign languages and literature
Folklore
History
History and philosophy of science
Musicology and music history
Philosophy
Religious studies
Speech
Theatre and drama

Natural Sciences

(Two courses for a minimum of 6 credit hours, selected from the following subject areas in consultation with an adviser.)

Astronomy
Biology
Botany
Chemistry
Geography (only certain courses)
Geology
Physics
Zoology

Social and Behavioral Sciences

(Five courses for a minimum of 15 credit hours)

Four of the following courses:

PSY B104 Psychology as a Social Science (3 cr.)
PSY B380 Abnormal Psychology (3 cr.)
PSY P101 Introductory Psychology I (3 cr.)
PSY P103 General Psychology (3 cr.)
PSY P324 Abnormal Psychology (3 cr.)
PSY 240 Introduction to Social Psychology (3 cr.)
PSY 350 Abnormal Psychology (3 cr.)
SOC R100 Introduction to Sociology (3 cr.)
SOC R121 Social Problems (3 cr.)
SOC R344 Juvenile Delinquency and Society (3 cr.)
SOC R345 Crime and Society (3 cr.)
SOC R346 Control of Crime (3 cr.)
SOC S161 Principles of Sociology (3 cr.)
SOC S163 Social Problems (3 cr.)
SOC S320 Deviant Behavior and Social Control (3 cr.)
SOC S325 Criminology (3 cr.)
SOC S328 Juvenile Delinquency (3 cr.)
SOC S420 Topics in Deviance (3 cr.)
SOC S429 Crime and Community (3 cr.)

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

economics
political science

General Electives

Additional courses beyond the general education, core, and concentration requirements are needed to complete the Bachelor of Science degree requirement of 120 credit hours.

Public Affairs and Policy

Four of the following courses:

SPEA E300 Introduction to Environmental Sciences (3 cr.)
SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA V264 Urban Structure and Policy (3 cr.)
SPEA V348 Management Science for Policy Analysis Methods (3 cr.)
SPEA V360 Public Management (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V376 Law and Public Policy (3 cr.)
Or additional courses approved in consultation with an adviser.

Criminal Justice Concentration

(Ten courses)

The following eight courses:

SPEA J101 The American Criminal Justice System (3 cr.)
SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)
SPEA J301 Substantive Criminal Law (3 cr.) or
SPEA J401 Criminal Law and Procedure (3 cr.)
SPEA J306 The Criminal Courts (3 cr.)
SPEA J321 Introduction to American Law Enforcement (3 cr.)
SPEA J331 Introduction to Corrections (3 cr.)
SPEA J439 Crime and Public Policy (3 cr.)

Two of the following courses:

SPEA J302 Procedural Criminal Law (3 cr.)
SPEA J303 Evidence (3 cr.)
SPEA J304 Correctional Law (3 cr.)
SPEA J305 The Juvenile Justice System (3 cr.)
SPEA J320 Criminal Investigation (3 cr.)
SPEA J345 Trends in Corrections (3 cr.)
SPEA J370 Seminar in Criminal Justice (3 cr.)
SPEA J376 Principles of Public Safety (3 cr.)
SPEA J440 Corrections in the Community (3 cr.)
SPEA J460 Police in the Community (3 cr.)
SPEA J470 Seminar in Criminal Justice (3 cr.)
SPEA J480 Research in Criminal Justice (1-6 cr.)

Associate of Science Degree Programs

The School of Public and Environmental Affairs offers two associate degree programs. Courses that meet associate degree requirements generally can be applied to a subsequent baccalaureate degree program. The following are general requirements for the completion of an associate degree:

1. Students must apply for admission to the Associate Degree Program before completing 35 credit hours of course work toward the degree. Applications are available in the records office on each campus.
2. A minimum of 60 credit hours with a 2.00 cumulative average or higher and a 2.30 average or higher in core and concentration courses is required. All requirements for this degree must be satisfied before earning 86 credit hours.
3. A limited number of courses may be transferred from other accredited institutions or be taken through independent study.
4. Courses taken to meet specific degree requirements cannot be double counted (used to satisfy any other degree requirement).
5. A maximum of two elective courses may be taken pass-fail in this degree.

Associate of Science in Criminal Justice

This degree is available at the Indianapolis, East (Richmond), Fort Wayne, Kokomo, Northwest (Gary), and South Bend campuses.

DEGREE REQUIREMENTS

The SPEA curriculum is divided into four categories—general education, electives, a public policy course, and a concentration area. The requirements are uniform on all campuses.

General Education

Communications

(Three courses for a minimum of 9 credit hours.)

The following writing course:

ENG W131 Elementary Composition (3 cr.) or equivalent campus-approved option

One of the following:

ENG W231 Professional Writing Skills (3 cr.)
ENG W233 Introduction to Business Writing (3 cr.) (Fort Wayne only)

One of the following speech courses:
COMM C104 Voice and Diction (3 cr.)

COMM C170 Fundamentals of Speech Communication (3 cr.)

COMM C180 Introduction to Interpersonal Communication (3 cr.)

COMM C223 Business and Professional Communication (3 cr.)

COMM C227 Argumentation and Debate (3 cr.)

COMM C228 Discussion and Group Methods (3 cr.)

SPCH S121 Public Speaking (3 cr.)

SPCH S122 Interpersonal Communication (3 cr.)

SPCH S223 Business and Professional Communication (3 cr.)

SPCH S228 Argumentation and Debate (3 cr.)
SPCH S229 Discussion and Group Methods (3 cr.)

Arts and Humanities

(One course, for a minimum of 3 credit hours, from one of the following subject areas, excluding courses used to satisfy other degree requirements.)

Afro-American studies
Classical studies
Communications
Comparative literature
English
Fine arts
Folklore
Foreign languages and literature
History: H105 or H106 recommended
Musicology and music history
Philosophy
Religious studies
Speech
Theatre and drama

Social and Behavioral Sciences

(Two courses, for a minimum of 6 credit hours, are required, and they must come from different subject areas.)

Anthropology
Economics
Geography
Journalism
Linguistics
Political science
Psychology
Sociology

Natural Sciences

(One course, for a minimum of 3 credit hours, from one of the following subject areas, excluding courses used to satisfy other degree requirements.)

Anatomy and physiology
Astronomy
Biology
Botany
Chemistry
Geology

Physics
Zoology

Or one of the following cross-listed courses:
GEOG G107 Physical Systems of the Environment (3 cr.)

GEOG G303 Weather and Climate (3 cr.)
GEOG G304 Meteorology and Climatology (3 cr.)

Quantitative Methods (one course)
An approved course (must be at least 3 credit hours) from one of the following subject areas:
Computer science
Mathematics
Statistics

General Electives

Additional courses beyond the general education, core, and concentration requirements are needed to complete the Associate of Science degree requirement of 60 credit hours.

Public Policy

The following course:
SPEA V170 Introduction to Public Affairs (3 cr.)

Criminal Justice Concentration

(Six courses)

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

Three of the following courses:
SPEA J301 Substantive Criminal Law (3 cr.) or
SPEA J401 Criminal Law and Procedure (3 cr.)

SPEA J306 The Criminal Courts (3 cr.)
SPEA J321 Introduction to American Law Enforcement (3 cr.)
SPEA J331 Introduction to Corrections (3 cr.)

Criminal Justice electives:
Two additional SPEA criminal justice courses (6 cr.)

Associate of Science in Public Affairs

The degree is available at *Bloomington, Indianapolis, East (Richmond), Fort Wayne, Northwest (Gary), and South Bend*. Students must complete one of the following concentrations: Criminal Justice, Emergency Services Administration, Environmental Affairs, Public Administration, or a specialized program approved by a SPEA adviser.

DEGREE REQUIREMENTS

The SPEA curriculum is divided into four categories—general education, electives, public affairs core, and a concentration area.

The requirements are uniform on all campuses for general education and core classes. The availability of concentrations varies among campuses.

General Education

Communications
(Three courses for a minimum of 9 credit hours.)

The following writing course:
ENG W131 Elementary Composition (3 cr.) or
equivalent campus-approved option

One of the following advanced writing courses:
ENG W231 Professional Writing (3 cr.)
ENG W233 Intermediate Expository Writing (3 cr.) (*Fort Wayne only*)
BUS X204 Business Communications (3 cr.) (*Bloomington and Indianapolis only*)

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

Social Sciences
(Three courses for a minimum of 9 credit hours.)

The following two courses:
ECON E201 Introduction to Microeconomics (3 cr.) or ECON E202 Introduction to Macroeconomics (3 cr.)
POLS Y103 Introduction to American Politics (3 cr.)

One course from sociology or psychology

Quantitative Methods
(Two courses for a minimum of 6 credit hours.)

One of the following computer science courses:
SPEA V261 Computers in Public Affairs (2-3 cr.)
BUS K201 The Computer in Business (2-3 cr.)
CSCI A106 Introduction to Microcomputers and Computing (3 cr.)
CSCI A107 Advanced Microcomputing: Programming within Applications (3 cr.)

CSCI A201 Introduction to Programming I (4 cr.)
CSCI A202 Introduction to Programming II (4 cr.)
CSCI 206 Computer Programming (3 cr.)
CSCI 207 Computers in the Social Sciences (3 cr.)
CSCI 208 The Computer in Business (3 cr.)
CIS 106 Introduction to Computers (3 cr.)
CIS 107 Computer Concepts and Applications (3 cr.)
CPT 115 Introduction to Data Processing (3-5 cr.) and CPT 140 Introduction to Computer Lab (1 cr.)

One approved mathematics course:
MATH M118 Finite Mathematics (3 cr.) or
MATH M119 Brief Survey of Calculus I (3 cr.) is recommended.

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

Arts and Humanities
(One course from one of the following subject areas for a minimum of 3 credit hours, excluding courses used to satisfy other degree requirements.)
Afro-American studies
Central Eurasian studies
Classical studies
Communication and theatre
Comparative literature
English
Fine arts
Folklore
Foreign languages and literature
History: H105 or H106 recommended
History and philosophy of science
Musicology and music history
Philosophy
Religious studies
Speech
Theatre and drama

General Electives

Additional courses beyond the general education, core, and concentration requirements are needed to complete the Associate of Science degree requirement of 60 credit hours.

Public Affairs Core

(Four courses)

The following two courses:
SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA V264 Urban Structure and Policy (3 cr.)

One of the following courses:
SPEA E262 Environment: Problems and Prospects (3 cr.)
SPEA E300 Introduction to Environmental Sciences (3 cr.)

One of the following courses:
SPEA V270 Survey of Administrative Techniques (3 cr.)
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

Areas of Concentration

Each concentration requires four to seven courses.

Criminal Justice Concentration

This concentration provides an introduction to law enforcement, correctional administration, and criminal law and procedure. It is available at the *Indianapolis, East (Richmond), Fort Wayne, Northwest (Gary), and South Bend* campuses.

Requirements (Five courses)

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

One of the following courses:
SPEA J301 Substantive Criminal Law (3 cr.)
SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following courses:
SPEA J370 Seminar in Criminal Justice (3 cr.)
PSY B380 Abnormal Psychology (3 cr.)
SOC R344 Juvenile Delinquency and Society (3 cr.)
SOC R345 Crime and Society (3 cr.)
SOC R346 Control of Crime (3 cr.)
SOC S320 Deviant Behavior and Social Control (3 cr.)
SOC S325 Criminology (3 cr.)
SOC S328 Juvenile Delinquency (3 cr.)

Two additional criminal justice courses.

Emergency Services Administration Concentration

The Emergency Services Administration Concentration provides managerial skills to emergency service personnel. It is available at *Bloomington, Indianapolis, Fort Wayne, Northwest (Gary), and South Bend*.

Requirements (Five courses)

The following course:
SPEA V375 Emergency Services Administration (3 cr.)

Three of the following courses:
SPEA H320 Health Systems Administration (3 cr.)
SPEA J376 Principles of Public Safety (3 cr.)
SPEA K300 Statistical Techniques (3 cr.) or
other approved course
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
SPEA V348 Management Science for Policy Analysis Methods (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V373 Personnel Management in the Public Sector (3 cr.)

Students are required to complete successfully an approved administrative field experience course of at least 3 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

The Environmental Affairs Concentration provides an introduction to environmental problems and options for their solutions. It is available at *Indianapolis, Northwest (Gary), and South Bend*.

Requirements (Seven courses)

SPEA V365 Urban Development and Planning (3 cr.)

A chemistry or physics course (3-5 cr.)

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

GEOG G101 Introduction to Earth Science (3 cr.)

GEOG G107 Physical Systems of the Environment (3-5 cr.)

GEOL G103 Earth Science: Materials and Processes (3 cr.)

GEOL G107 Environmental Geology (3 cr.)

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

GEOL G111 Physical Geology (3 cr.)

One of the following courses not taken as a social science requirement in the general education area:

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

Two of the following courses:

SPEA H316 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 Management (3 cr.)

BIOL K341 Principles of Ecology (5 cr.)

BIOL L200 Environmental Biology and Conservation (3 cr.)

BIOL L350 Environmental Biology (3 cr.)

GEOG G213 Introduction to Economic Geography (3 cr.)

GEOG G303 Weather and Climate (3 cr.)

GEOG G304 Meteorology and Physical Climatology (3 cr.)

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

GEOG G315 Environmental Conservation (3 cr.)

GEOL G300 Environmental and Urban Geology (3 cr.)

GEOL G316 Mineral Resources (3 cr.)

GEOL G415 Geomorphology (3 cr.)

POLS Y313 Environmental Policy (3 cr.)

One of the following courses:

SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)

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

MATH/PSY K310 Statistical Techniques (3 cr.)

POLS Y205 Elements of Political Analysis (3 cr.)

PSY B305 Statistics (3 cr.)

SOC R359 Introduction to Sociological Statistics (3 cr.)

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

Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Administration Concentration

The Public Administration Concentration provides an overview of the primary areas of public administration. It is available on all campuses where SPEA courses are offered except *Kokomo*.

Four of the following courses:

SPEA H316 Environmental Health (3 cr.)

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

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

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

SPEA V366 Managing Behavior in Public Organizations (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 V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)

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.

Additional SPEA Programs

Minor in Public and Environmental Affairs

Any Indiana University student enrolled in a baccalaureate program, except those enrolled in SPEA, may pursue the minor in public and environmental affairs. The minor is available in *Bloomington, Fort Wayne, Northwest (Gary), and South Bend*. Individuals interested in this minor should apply to SPEA on their campus. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

Requirements (Five courses)

The following course:

SPEA V170 Introduction to Public Affairs (3 cr.)

One of the following courses:

SPEA E200 Environment and People (3 cr.)

SPEA E300 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

SPEA E300 Introduction to Environmental Sciences (3 cr.)

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

SPEA V360 Public Management (3 cr.)

SPEA V366 Managing Behavior in Public Organizations (3 cr.)

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

SPEA V376 Law and Public Policy (3 cr.)

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

SPEA V444 Public Administrative Organization (3 cr.)

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

Area Certificate Programs

The areas of study in which certificate programs are currently available are environmental studies, public affairs, public health, and urban studies.

Requirements for the Public Affairs and Public Health Area Certificates are the same on all campuses where they are offered. However, requirements for the Environmental Studies and the Urban Studies Certificates vary by campus.

General Requirements

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University are eligible to apply for a certificate at the SPEA records office on their campus. Interested students must apply for a certificate before completing 15 credit hours (9 credit hours for public health) of applicable course work.
2. SPEA students cannot earn an area certificate in the same area as their concentration.
3. A grade point average of 2.0 or higher is required in all course work credited toward the certificate.
4. The number of credits required for each certificate varies by campus and concentration area. Campuses may also specify the number of transferred credits that may be applied toward the certificate.
5. When all certificate requirements have been met and the student has a baccalaureate degree, the certificate will be awarded.

Area Certificate in Environmental Studies

This certificate is available at *Bloomington, Indianapolis, and South Bend*, but the courses required vary by campus.

The certificate introduces students to selected aspects of current thinking and research on the nature, causes, and solutions to environmental problems. Bloomington students desiring greater depth should consider an Environmental Science and Management Concentration in SPEA.

Bloomington (Eight or nine courses)

One course in chemistry or physics.

One of the following courses:

GEOG G107 Physical Systems of the Environment (3 cr.)

GEOL G103 Earth Science: Materials and Processes (3 cr.)

GEOL G111 Physical Geology (3 cr.)

The following course:

BIOL L350 Environmental Biology (3 cr.)

One of the following two options:

ECON E201 Introduction to Microeconomics (3 cr.) and

ECON E202 Introduction to Macroeconomics (3 cr.) or

ECON E300 Principles of Economics (6 cr.)

The following two courses:

POLS Y313 Environmental Policy (3 cr.)

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

Two additional courses selected from the following:

SPEA E300 Introduction to Environmental Sciences (2-3 cr.)

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

SPEA E455 Limnology (4 cr.)

SPEA H316 Environmental Health (3 cr.)

ANTH E427 Cultural Ecology (3 cr.)

BIOL L473 Ecology (3-4 cr.)

CHEM C101 Elementary Chemistry I (3 cr.) or

CHEM C105 Principles of Chemistry I (3 cr.)

CHEM C341 Organic Chemistry Lectures I (3 cr.)

ECON E308 Survey of Public Finance (3 cr.)

ECON E485 Social Control of Industry (3 cr.)

GEOG G235 Introductory Cartography (3 cr.)

GEOG G304 Meteorology and Climatology (3 cr.)

GEOG G315 Environmental Conservation (3 cr.)

GEOG G320 Population Geography (3 cr.)

GEOG G350 Climatological Instrumentation and Field Methods (3 cr.)

GEOG G404 Geography of Soils (3 cr.)

GEOG G405 Hydroclimatology (3 cr.)

GEOG G407 Climate Dynamics (3 cr.)

GEOG G417 Land Use Analysis (3 cr.)

GEOL G300 Environmental and Urban Geology (3 cr.)

GEOL G316 Mineral Fuels and Materials (3 cr.)

GEOL G406 Introduction to Geochemistry (3 cr.)

GEOL G415 Geomorphology (3-4 cr.)

GEOL G451 Principles of Hydrogeology (2-3 cr.)

HPER R372 Interpretive Resources and Techniques (3 cr.)

SPEA/MATH/PSY K300 Statistical Techniques (3 cr.) or

MATH/PSY K310 Statistical Techniques (3 cr.)

PHYS P201 General Physics I (3-5 cr.)

PHYS P120 Energy and Technology (3 cr.)

PHYS P310 Environmental Physics (3 cr.)

SOC S305 Population and Human Ecology (3 cr.)

Indianapolis (Ten courses)

The following five courses:

BIOL K341 Principles of Ecology (3 cr.)

CHEM C105 Principles of Chemistry (3-5 cr.)

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

One of the following courses:

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

SPEA E300 Introduction to Environmental Sciences (3 cr.)

One of the following courses:

GEOG G107 Physical Systems of the Environment (3 cr.)

GEOL G107 Environmental Geology (3 cr.)

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

Three of the following 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 H316 Environmental Health (3 cr.)

SPEA K300 Statistical Techniques (3 cr.) or approved option

SPEA V365 Urban Development and Planning (3 cr.)

BIOL K442 Population and Systems Ecology (3 cr.)

CHEM C207 Introduction to Biochemistry (4 cr.)

CHEM C310 Analytical Chemistry (3-5 cr.)

CHEM C341 Organic Chemistry Lectures I (3 cr.)

ECON E485 Social Control of Industry (3 cr.)

GEOG G303 Weather and Climate (3 cr.)

GEOG G304 Meteorology and Climatology (3 cr.)

GEOG G315 Environmental Conservation (3 cr.)

GEOL G300 Environmental and Urban Geology (3 cr.)

GEOL G303 Geologic Mapping and Field Methods (4 cr.)

GEOL G406 Introduction to Geochemistry (3 cr.)

GEOL G415 Geomorphology (3 cr.)

GEOL G451 Principles of Hydrogeology (2-3 cr.)

PHYS 218 General Physics I (4 cr.)

SOC R465 Population and Human Ecology (3 cr.)

South Bend (Seven courses)

Students must complete one of the following options:

Option I (for science majors)

All of the following courses:

SPEA E262 Environment: Problems and Prospects (3 cr.) or SPEA E300 Introduction to Environmental Sciences (3 cr.)

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

SPEA V365 Urban Development and Planning (3 cr.)

BIOL L473 Ecology (3-4 cr.)

CHEM C303 Environmental Chemistry (3-4 cr.)

GEOG G315 Environmental Conservation (3 cr.)

SOC S305 Population and Human Ecology (3 cr.)

Option II (for nonscience majors)

All of the following courses:

SPEA E262 Environment: Problems and Prospects (3 cr.) or SPEA E300 Introduction to Environmental Sciences (3 cr.)

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

SPEA V365 Urban Development and Planning (3 cr.)

BIOL L350 Environmental Biology (3 cr.)

GEOG G315 Environmental Conservation (3 cr.)

PHYS E250 The Environment and Physics (3 cr.)

SOC S305 Population and Human Ecology (3 cr.)

Area Certificate in Public Affairs

This certificate is available at *Bloomington, Indianapolis, Northwest (Gary), and South Bend* with the same courses required for all campuses.

The School of Public and Environmental Affairs offers the Certificate in Public Affairs to provide an overview of the study of public policy, governmental organization, and public management as an enhancement to the major area of study in a student's undergraduate program. The interdisciplinary program requires 27 credit hours, of which at least 15 but not more than 21 credit hours must be in SPEA courses.

Certificate Requirements

(Nine courses)

The following two courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA V264 Urban Structure and Policy (3 cr.)

One of the following courses:

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

SPEA E300 Introduction to Environmental Sciences (3 cr.)

One course from two of the following groups A, B, and C:

A. Organizational Behavior

SPEA J310 Introduction to Administrative Processes (3 cr.)

BUS Z300 Organizational Behavior and Leadership (3 cr.)

BUS Z301 Organizational Behavior and Leadership (3 cr.)

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

B. Public Administration

SPEA V366 Managing Behavior in Public Organizations (3 cr.)

C. Law

SPEA J301 Substantive Criminal Law (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

SPEA V376 Law and Public Policy (3 cr.)

BUS L201 Legal Environment of Business (3 cr.)

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

POLS Y304 American Constitutional Law I (3 cr.)

POLS Y305 American Constitutional Law II (3 cr.)

Four of the following courses:

Public Affairs

SPEA V260 Topics in Public Affairs (approved topic) (3 cr.)

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

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

SPEA V365 Urban Development and Planning (3 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

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

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

SPEA V441 Topics in Financial Management and Policy (3 cr.)

SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)

SPEA V444 Public Administrative Organization (3 cr.)

SPEA V447 Federal Budget Policy (3 cr.)

SPEA V449 Applied Policy Analysis (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs (approved topic) (3 cr.)

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

Criminal Justice

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

SPEA J302 Procedural Criminal Law (3 cr.)

SPEA J322 Introduction to Criminalistics (3 cr.)
 SPEA J370 Seminar in Criminal Justice (3 cr.)
 CJUS P381 History of Social Control in the U.S. (3 cr.)

Note: "CJUS" indicates courses offered by the Department of Criminal Justice, College of Arts and Sciences, *Bloomington*. SPEA courses with a "J" in the course number are criminal justice courses offered by SPEA on campuses other than *Bloomington*.

Geography

GEOG G412 Urban Transportation Analysis (3 cr.)
 GEOG G414 Regional Transport Systems (3 cr.)
 GEOG G415 Advanced Urban Geography (3 cr.)
 GEOG G417 Land Use Analysis (3 cr.)

Political Science

POLS Y200 Citizen and the Courts (3 cr.)
 POLS Y302 Public Bureaucracy in Modern Society (3 cr.)
 POLS Y306 State Politics in the U.S. (3 cr.)
 POLS Y394 Public Policy Analysis (3 cr.)

Sociology

SOC R329 Urban Sociology (3 cr.)
 SOC R345 Crime and Society (3 cr.)
 SOC R346 Control of Crime (3 cr.)
 SOC R480 Sociology and Social Policy (3 cr.)
 SOC S320 Deviant Behavior and Social Control (3 cr.)
 SOC S325 Criminology (3 cr.)
 SOC S326 Sociology of Law (3 cr.)
 SOC S361 Urban Sociology (3 cr.)

Area Certificate in Public Health

This certificate is available at *Bloomington*, *Indianapolis*, *Fort Wayne*, *Northwest (Cary)*, and *South Bend* with the same courses required for all campuses. The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.

Certificate Requirements

(Six courses)

The following three courses:

SPEA H316 Environmental Health (3 cr.)
 SPEA H320 Health Systems Administration (3 cr.)
 SPEA H322 Principles of Epidemiology (3 cr.)
 or HPER H311 Human Diseases and Epidemiology (3 cr.)

Three of the following courses:

SPEA E400 Topics in Environmental Studies (approved topics) (2-3 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 H342 Community Health Education (3 cr.) or HPER C403 Techniques of Public Health Education (3 cr.)
 SPEA H411 Long Term Care Administration (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA H423 Disease Vector Control (3 cr.) or BIOL K443 Medical Parasitology and 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 Techniques in Environmental Health (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (approved topic) (3 cr.)
 AHLT W374 Medical Care I (3 cr.)
 AHLT W471 Medical Care II (3 cr.)
 ECON E387 Health Economics (3 cr.)

Area Certificate in Urban Studies

This certificate is available at *Bloomington* and *South Bend*, but the courses required are different on each campus. The undergraduate Urban Studies Certificate Program introduces students to selected aspects of current thinking and research in urban life and development.

Bloomington (Eight courses)

The following three courses:

SPEA K300 Statistical Techniques or approved option (3 cr.)
 SPEA V264 Urban Structure and Policy (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)

Two courses from one of the following groups:

Urban Administration

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

Urban Economics

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

Urban Environmental Analysis

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

Urban Finance

SPEA V372 Financial Management and Budgeting (3 cr.)
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)

Urban Land

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

Urban Policy Analysis

POLS Y308 Urban Politics (3 cr.)
 POLS Y394 Public Policy Analysis (3 cr.)

Urban Services Delivery Systems

SWK S352 Social Welfare Delivery Systems (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (approved topic) (3 cr.)

Urban Society

SOC S309 The Community (3 cr.)
 SOC S361 Urban Sociology (3 cr.)

Urban Structure

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

Urban Transportation

BUS T315 Urban Transportation and Public Policy (3 cr.)
 GEOG G412 Urban Transportation Analysis (3 cr.)

Three additional courses from the above list or the following list:

SPEA V450 Contemporary Issues in Public Affairs (approved topic) (3 cr.)
 ANTH E380 Urban Anthropology (3 cr.)
 HIST A347 American Urban History (3 cr.)

South Bend (Seven courses)

All of the following courses:

SPEA V264 Urban Structure and Policy (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)
 BUS G330 Principles of Urban Economics (3 cr.)
 GEOG G314 Urban Geography (3 cr.)
 HIST A347 American Urban History (3 cr.)
 POLS Y308 Urban Politics (3 cr.)
 SOC S306 Urban Society (3 cr.)

Environmental Studies Major

Environmental studies as a second major is available only to students working toward a B.A. degree in the College of Arts and Sciences on the *Bloomington* campus. The program includes a multidisciplinary study of the effects of population growth, resource utilization, energy generation, and agricultural systems, as well as the emergence of the 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 within the college. These students must complete at least 25 credit hours in each major, which are not applied to the other major. They may then need to complete additional courses in one or both majors.

Detailed requirements for this major can be found in the College of Arts and Sciences Bulletin. Information is also available from the *Bloomington* Undergraduate Advising Office in SPEA room 240.

Course Descriptions

Undergraduate Courses

The abbreviation "P" refers to course prerequisites and "R" to recommended prerequisite courses. Prerequisites can be waived by the instructor of the course. The number of hours of credit is indicated in parentheses following the course title. Courses are listed in four groups: environmental, public health, criminal justice, and public affairs.

Environmental Courses

E200 Environment and People (3 cr.) An interdisciplinary examination of the problems of population, pollution, and natural resources and their implications for society. 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, and various types of pollution and means of controlling them. Credit not given for both E200 and E262.

E300 Introduction to Environmental Sciences (3 cr.) P: a statistics course. 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.

E325 Computing for Environmental Scientists (1-3 cr.) P: M118 or M119; K300 or equivalent; SPEA E300. Survey of computing applications to environmental issues. Personal computing emphasized. Application of spreadsheets, graphics, simple statistics, and BASIC programming to environmental science issues. Manipulation and interpretation of real data, case studies, and projects. Many software packages used.

E326 Mathematical Methods in Environmental Science (3 cr.) P: M119 or M215; C211 or K201; and K300. 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.

E360 Introduction to Biological Resources (3 cr.) P: SPEA E300; any biology course. This course provides the necessary background for students interested in fisheries, wildlife, or forest management who have had little course work or experience with the taxonomy, ecology, or natural history of plants or animals.

E400 Topics in Environmental Studies (2-3 cr.) P: SPEA E300. An interdisciplinary consideration of specific environmental topics. May be repeated for credit.

E410 Environmental Toxicology (3 cr.) P: SPEA E300 or H316; any biology course. Study of toxic mechanisms, pathology, and disease development resulting from exposure to biological and chemical agents in the environment.

E431 Water Supply and Wastewater Treatment (3 cr.) P: SPEA E300 or H316; Chemistry C101 or equivalent; Math M119 or equivalent. 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.) P: SPEA E300 or H316; any biology course. This course trains students to evaluate wetlands to comply with federal, state, and local regulations. It examines the principles that 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.) P: SPEA E300 or H316; Chemistry C101 or equivalent; Math M119 or equivalent. 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.) P: SPEA E300 or H316. 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.

E455 Limnology (4 cr.) P: SPEA E300 or H316; Chemistry C101 or equivalent. Limnology is the ecology of inland lakes and streams, combining the principles of biology, chemistry, geology, and physics to understand how they

function. The effects of human perturbation on aquatic systems will be highlighted in both lectures and laboratory work to aid student understanding of the concepts involved.

E460 Fisheries and Wildlife Management (3 cr.) P: SPEA E300 or H316; any biology course. 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: E300 or H316; any biology course, and E460 (can be concurrent). Practical experience course where students identify fish and wildlife in the field for the purpose of evaluating the effectiveness of and making recommendations for change to existing wildlife plans.

E465 Environmental Management in the Tropics (3 cr.) Historical examination of land use in tropical, non-western cultures. Resource use in physical and cultural settings are explored through an interface with ecology, economics, and policy analysis. Common principles of analysis are used to help the students understand the cultural and historical dimensions of how people relate to their environment.

E470 Elements of Fluid Mechanics (3 cr.) P: E300 or H316; Math M119 or equivalent. Introduction to fundamental concepts of fluid mechanics which relate to environmental science. Topics are selected from three disciplines. From hydraulics: hydrostatics, flow-through pipes, and open channels. From water surface hydrology: water balances, stream-flow measurements, and calculations. From groundwater hydrology: Darcy's Law, flow nets, and pumping tests.

E475 Techniques of Environmental Science (3 cr.) P: SPEA E300 or H316. 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

H120 Contemporary Health Issues (3 cr.) An examination of current public health, environmental health, and health service delivery issues in the U.S. Topics include the organization and costs of health systems, access to care, and the interrelationships between risk factors and health; also,

environmental challenges facing our society and their impact on health.

H316 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, and public safety, as well as related policy and administrative techniques.

H320 Health Systems 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.

H342 Community Health Education (3 cr.)

A study of theory and practice in the field of professional health education. The process of behavioral change is examined. Procedures for the planning, delivery, and evaluation of health education practices are considered.

H352 Health Finance and Budgeting (3 cr.)

P: Business A201. 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.) P: SPEA

H320. 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 Long Term Care 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; 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 that 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 Techniques in Environmental Health (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.) 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 Health Administration Seminar (3 cr.) P: H320 and senior standing. This course will examine current issues in public health and governmental and private initiatives to resolve these issues.

Criminal Justice Courses

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

J201 Theoretical Foundations of Criminal Justice Policies (3 cr.) This course examines the impact of sociological, biological, and economic theories of crime and the practice of criminal justice. Focus is upon the nature and importance of theory, context of theoretical developments, methods for the critical analysis of theoretical developments, and policy implications of the varying perspectives considered.

J202 Criminal Justice Data, Methods, and Resources (3 cr.) R: M111 or equivalent, V261 or equivalent. Course examines basic concepts of criminal justice. Students become familiar with research techniques necessary for systematic analysis of the criminal justice system, offender behavior, crime trends, and program effectiveness. Students will learn to critically evaluate existing research. Students will become familiar with existing sources of criminal justice data and will learn to assess the quality of that data.

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

J302 Procedural Criminal Law (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 Correctional Law (3 cr.) Legal problems from conviction to release: pre-sentence investigations, sentencing, probation and parole, incarceration, loss and restoration of civil rights.

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

J306 The Criminal Courts (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.

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 of

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.

J433 Institutional Corrections (3 cr.) The history and development of the jail, penitentiary, prison, and reformatory. Analysis and evaluation of contemporary imprisonment.

J439 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.

J440 Corrections in the Community (3 cr.) An introduction to correctional alternatives to incarceration that 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 houses, and home detention.

J445 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.

J460 Police in the Community (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.

J470 Seminar in Criminal Justice (3 cr.) P: senior standing. 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 and consent of instructor. Individual research under guidance of faculty member.

Public Affairs Courses

K300 Statistical Techniques (3 cr.) P: M014 or equivalent. R: M118. 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 both K300 and either 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.) Study of selected issues in public affairs. Topics vary from semester to semester. May be repeated for credit.

V261 Computers in Public Affairs (3 cr.) An introduction to computer applications in public affairs. Topics include basic terminology, core concepts, and issues associated with managing operating systems, designing networks, and applying user information technology to public affairs problems. Issues of security and ethics in computing are also considered.

V264 Urban Structure and Policy (3 cr.) An introduction to urban government and policy issues. Topics include: urban government structure and policy making, the economic foundations and development of cities, demography of cities and suburbs, land-use planning, and other selected urban policy problems.

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, the implications of these problems for local officials, and the implications of these problems for local government administrators.

V346 Introduction to Government Accounting and Financial Reporting (3 cr.) P: Business A201. An introduction to government accounting, including comparison with accounting for the private sector, intended as background for the use of financial administrators. The course deals primarily with municipal accounting. Not open to students with more than 6 credit hours of accounting.

V348 Management Science for Policy Analysis Methods (3 cr.) P: K300, M025, or M118. Introduction to management science models and methods for policy analysis and public management. Methods include decision analysis, linear programming, queuing

analysis, and simulation. Computer-based applications are included. Prior familiarization with computers is recommended, though not required.

V350 Introduction to Development Administration (3 cr.) Introduction to the administration of development activities in poor countries. Examines key problems, including the complexity of development, the interplay of external donors and domestic administration, and the difficulties of organizing and managing development efforts. Combines cases and textual readings, allowing the student to analyze actual programs, policies, and projects.

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. Credit not awarded for both V352 and Business X420.

V360 Public Management (3 cr.) This course is an examination of the management process in public organizations in the United States. Special attention will be given to external influences on public managers, the effects of the intergovernmental environment, and, in particular, problems of management in a democratic, limited government system.

V365 Urban Development and Planning (3 cr.) P: V264 and 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 Behavior in Public Organizations (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 experiential 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, queuing/simulation, Markov modeling, and cost-effective analysis) to design, scheduling, inventory assignment, transportation, and replacement decisions.

V370 Research Methods in the Applied Social Sciences (3 cr.) P: K300 or equivalent. This course will introduce the student to the

basic methods, issues, analytical techniques, and ethical considerations of evaluation research.

V371 Financing Public Affairs (3 cr.) P: V170, E201, E202. A survey of economic and political theories of market failures, public expenditure evaluation, economic stabilization, systems of redistribution, and fiscal federalism. Examples and applications to contemporary government decisions.

V372 Financial Management and Budgeting (3 cr.) R: SPEA V371 or ECON E308. 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.

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 6 credit hours. May be repeated for credit. Course is graded S/F (Satisfactory/Fail).

V390 Readings in Public and Environmental Affairs (0-3 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.

V441 Topics in Financial Management and Policy (3 cr.) P: V372. Various topics focusing on financial management and policy are examined in a state and local setting. Course may be repeated for different topics.

V442 Topics in Budgeting of Cost/Benefit (3 cr.) P: V372. Various topics in budgeting or cost/benefit analysis are examined. 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.

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 on 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.

V451 Social Policy and the Aging (3 cr.) A focused examination of government and the elderly. Public policy and administration of income, health, housing, employment, and social service programs, as well as analysis of the context of aging policy.

V457 Management Science in the Public Sector (3 cr.) P: V348, C211, and K300. An intermediate treatment of management science methods with primary application to public managerial decision support. Topics include network analysis, queuing, simulation, and

others. Computer-based analysis is emphasized.

V461 Computer Applications in Public Affairs (3 cr.) P: K201. 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.

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 (0-3 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 1994-1996

Emeritus

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

Jumper, Roy, Ph.D. (Duke University, 1955), Professor Emeritus of Public and Environmental Affairs

Kragie, John H., Ed.D. (Indiana University, 1981), Associate Professor Emeritus of Public and Environmental Affairs

Ludlow, H. Glenn, D.P.A. (Indiana University, 1950), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Education

Meinschein, Warren G., Ph.D. (University of Texas, 1951), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Geology

O'Lessker, Karl, Ph.D. (Indiana University, 1959), Professor Emeritus of Public and Environmental Affairs (Graduate School)

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

Risler, Walt P., Ph.D. (University of Chicago, 1962), Associate Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Sociology (IUSB)

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

Steggert, Frank X., Ed.D. (Loyola University, 1962), Professor Emeritus of Public and Environmental Affairs (IUSB)

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

Faculty

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

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

Allen, Deborah, M.D. (Indiana University, 1976), Chair and Professor of Family Medicine; Professor of Public and Environmental Affairs (part-time) (IUPUI)

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

Apostolides, Anthony, D. Phil. (University of Oxford, England, 1969), Assistant Professor of Public and Environmental Affairs (IUSB)

Assibey, Mensah, Ph.D. (Virginia Polytechnic Institute and State University, 1993), Assistant Professor of Public and Environmental Affairs (IUN)

Backhus, Debra, Ph.D. (Massachusetts Institute of Technology, 1990), Assistant Professor of Public and Environmental Affairs

Baker, John, J.D. (Indiana University, 1971), Adjunct Professor of Public and Environmental Affairs

Baker, Randall, Ph.D. (University of London, England, 1968), Director, International Programs; Professor of Public and Environmental Affairs (Graduate School)

Barnes, A. James, J.D. (Harvard University, 1967), Dean; Professor of Public and Environmental Affairs

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

Bingham, Lisa, J.D. (University of Connecticut, 1979), Assistant Professor of Public and Environmental Affairs

Bisaha, John, M.A. (Loyola University, 1972), Adjunct Lecturer in Public and Environmental Affairs (IUN)

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

Bogdewic, Stephen, Ph.D. (University of North Carolina, 1987), Associate Professor of Family Medicine; Associate Professor of Public and Environmental Affairs (part-time) (IUPUI)

Bonser, Charles F., D.B.A. (Indiana University, 1965), Ameritech Endowed Chair in Economic Development; Professor of Public and Environmental Affairs; Director, Institute for Development Strategies; Professor of Business Administration (Graduate School)

Brassel, Simon, Ph.D. (University of Bristol, 1980), Professor of Geological Sciences; Professor of Public and Environmental Affairs (part-time)

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

Cohen, Maurie J., Ph.D. (University of Pennsylvania, 1993), Assistant Professor of Public and Environmental Affairs (IUPUI)

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

- Culter, Steven D., Ph.D. (University of Illinois, 1981), Assistant Professor of Public and Environmental Affairs; Assistant Professor of Family Medicine (part-time) School of Medicine (IUPUI)
- D'Alessio, Stewart, Ph.D. (Florida State University, 1993), Assistant Professor of Public and Environmental Affairs (IPFW)
- Davis, Kenna, Ph.D. (University of Illinois, 1992), Assistant 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)
- DeMougin, Stephen, M.B.A. (Indiana University, 1984), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)
- Dittus, Robert S., M.D. (Indiana University, 1978), Associate Professor of Medicine; Associate Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Dorato, Michael, Ph.D. (St. John's University, 1976), Adjunct Associate Professor of Public and Environmental Affairs (IUPUI)
- Dunning, Jeremy D., Ph.D. (University of North Carolina, 1978), Associate Dean, Office of Research and the University Graduate School; Director, Industrial Research Liaison Program; Associate Professor of Public and Environmental Affairs (part-time); Associate Professor of Geological Sciences
- Fitzgerald, John F., M.D. (Loyola University, 1980), Associate Professor of Medicine; Assistant Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Freedman, Jay A., Ph.D. (University of Chicago, 1982), Assistant Professor of Medicine; Assistant Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Freund, Deborah, Ph.D. (University of Michigan, 1980), Vice Chancellor Academic Affairs and Dean of Faculties; Director, Health Services Research Center; Professor of Public and Environmental Affairs; Adjunct Professor of Nursing; Adjunct Professor of Economics; Adjunct Professor of Medicine (Graduate School) (IUB/IUPUI)
- Froebe, Doris, Ph.D. (University of Maryland, 1970), Chairperson and Professor of Nursing Administration Graduate Program; Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Gleeson, Michael E., Ph.D. (Syracuse University, 1973), Associate Professor of Public and Environmental Affairs (IUPUI)
- Goldsmith, Stephen, J.D. (University of Michigan, 1971), Adjunct Professor of Public and Environmental Affairs (IUB/IUPUI)
- Good, David H., Ph.D. (University of Pennsylvania, 1985), Associate Professor of Public and Environmental Affairs (Graduate School)

- Gottfredson, Stephen, Ph.D. (Johns Hopkins University, 1977), Associate Dean, Academic Affairs; Professor of Public and Environmental Affairs (IUB)
- Gramelspacher, Gregory P., M.D. (Indiana University, 1982), Clinical Assistant Professor of Medicine; Assistant Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Grant, Jane, Ph.D. (University of California, Berkeley, 1981), Associate Professor of Public and Environmental Affairs (Graduate School) (IPFW)
- Griffis, Brandon, L.L.B. (Indiana University, 1949), Adjunct Associate Professor of Public and Environmental Affairs (IUE)
- Grimes, Stephen, Ph.D. (Indiana University, 1975), Adjunct Professor of Public and Environmental Affairs (IUPUI)
- Groff, Lance, Ph.D. (University of Delaware, 1992), Assistant Professor of Public and Environmental Affairs (IUN)
- Haitjema, Hendrik, Ph.D. (University of Minnesota, 1982), Associate Professor of Public and Environmental Affairs; Associate Professor of Geological Sciences (part-time) (Graduate School); Adjunct Associate Professor of Geology (IUB/IUPUI)
- Hall, Leda, Ph.D. (Wayne State University, 1984), Assistant Professor of Public and Environmental Affairs (IUSB)
- Hamburg, Roger P., Ph.D. (University of Michigan, 1956), Chair and Professor of Political Science; Professor of Public and Environmental Affairs (Graduate School) (IUSB)
- Hancock, Barry, Ph.D. (Oklahoma State University, 1982), Associate Professor of Public and Environmental Affairs (IUSB)
- Harlow, Karen, Ph.D. (University of Texas, 1981), Associate Professor of Public and Environmental Affairs; Associate Professor of Family Medicine (part-time) (Graduate School) (IUPUI)
- Hayes, John, Ph.D. (Massachusetts Institute of Technology, 1966), Distinguished Professor of Biogeochemistry; Adjunct Professor of Public and Environmental Affairs (Graduate School)
- Heard, Chinita, Ph.D. (Florida State University, 1988), Assistant Professor of Public and Environmental Affairs (IPFW)
- Heler, Edward, Ph.D. (Syracuse University, 1985), Associate Professor of Public and Environmental Affairs (IUN)
- Henshel, Diane, Ph.D. (Washington University, 1987), Assistant Professor of Public and Environmental Affairs
- Herman, Michael, M.A. (Valparaiso University, 1973), Adjunct Lecturer of Public and Environmental Affairs (IUN)
- Herr, John Paul, Ph.D. (Ohio State University, 1976), Associate Professor of Geography and Public and Environmental Affairs (IUSB)

- Hietje, Gary M., Ph.D. (University of Illinois, 1969), Professor of Public and Environmental Affairs (part-time); Distinguished Professor of Chemistry (Graduate School)
- Hites, Ronald A., Ph.D. (Massachusetts Institute of Technology, 1968), Distinguished Professor of Public and Environmental Affairs; Professor of Chemistry (part-time) (Graduate School)
- Hojnacki, William P., Ph.D. (University of Notre Dame, 1977), Assistant Dean and Director, Division of Public and Environmental Affairs; Associate Professor of Public and Environmental Affairs (Graduate School) (IUSB)
- Holmes, Ann M., Ph.D. (University of British Columbia, 1993), Assistant Professor of Public and Environmental Affairs; Assistant Professor of Family Medicine (IUN/IUPUI)
- Hoole, Francis W., Ph.D. (Northwestern University, 1970), Associate Dean, Graduate School; Professor of Political Science; Professor of Public and Environmental Affairs (part-time) (Graduate School)
- Hopkins, Jack W., Ph.D. (University of Florida, 1966), Director, Indiana Center for Global Change and World Peace; Professor of Public and Environmental Affairs (Graduate School)
- Hug, Richard W., Ph.D. (Syracuse University, 1984), Associate Professor of Public and Environmental Affairs (IUN)
- Huntoon, Laura, Ph.D. (University of Pennsylvania, 1992), Assistant 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
- Jarjoura, G. Roger, Ph.D. (University of Maryland, 1990), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Johnson, Carlyn E., J.D. (Indiana University, 1963), Professor of Public and Environmental Affairs; Adjunct Professor of Law (IUPUI)
- Johnson, Craig, Ph.D. (State University of New York at Albany, 1993), Assistant Professor of Public and Environmental Affairs
- Johnson, John, M.D. (Indiana University, 1974), Adjunct Associate Professor of Public and Environmental Affairs (IUN)
- Johnson, Neal, Ph.D. (University of Washington, 1993), Assistant Professor of Public and Environmental Affairs
- Jones, Earl, Ph.D. (University of North Carolina, 1980), Associate Professor of Afro-American Studies and Associate Professor of Public and Environmental Affairs (part-time) (Graduate School) (IUN)

- Jones, William, M.S. (University of Wisconsin, 1977), Director, Environmental Systems Application Center; Adjunct Lecturer of Public and Environmental Affairs
- Karl, Katherine, Ph.D. (Michigan State University, 1991), Assistant Professor of Public and Environmental Affairs (IUSB)
- Kelsay, Michael, Ph.D. (University of Tennessee, 1993), Assistant Professor of Public and Environmental Affairs (IUPUI/IPFW)
- Kiesling, Herbert J., Ph.D. (Harvard University, 1966), Professor of Economics (Graduate School); Professor of Public and Environmental Affairs
- Kinney, Eleanor D., J.D. (Duke University, 1973), Professor of Law; Professor of Public and Environmental Affairs (part-time) (IUPUI)
- Krauss, John, J.D. (Indiana University, 1976), Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)
- Krutilla, Kerry, Ph.D. (Duke University, 1988), Assistant Professor of Public and Environmental Affairs (Graduate School)
- Lame, Marc L., D.P.A. (Arizona State University, 1992), Director of Ph.D. Programs
- Lehnen, Robert G., Ph.D. (University of Iowa, 1968), Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- Lindsey, Greg, Ph.D. (Johns Hopkins University, 1992), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Ludwin, William G., D.P.A. (State University of New York at Albany, 1976), Assistant Dean and Director, Division of Public and Environmental Affairs; Associate Professor of Public and Environmental Affairs (Graduate School) (IPFW)
- Malec, Kathryn, Ph.D. (University of Illinois, 1989), Assistant Professor of Public and Environmental Affairs (IUN)
- Man, Joyce, Ph.D. (Johns Hopkins University, 1992), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Martin, Gary L., M.P.A. (Indiana University, 1975), Lecturer of Public and Environmental Affairs (IUN)
- Maxfield, Michael G., Ph.D. (Northwestern University, 1979), Associate Professor of Public and Environmental Affairs; Associate Professor of Criminal Justice (part-time) (Graduate School)
- McDonald, Clement J., M.D. (University of Illinois, 1965), Distinguished Professor of Medicine; Professor of Public and Environmental Affairs (part-time) (Graduate School) (IUPUI)
- McGarvey, Richard, M.P.A. (Indiana University, 1967), Director, Career Center; Lecturer of Public and Environmental Affairs
- McGregor, Eugene B., Jr., Ph.D. (Syracuse University, 1969), Professor of Public and Environmental Affairs; Professor of Political Science (part-time) (Graduate School)

McHugh, Gerald, D.B.A. (George Washington University, 1973), Associate Professor of Public and Environmental Affairs (IUPUI)

McSwane, David Z., H.S.D. (Indiana University, 1980), Director, Undergraduate Programs; Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Mendelsohn, Robert I., Ph.D. (Michigan State University, 1970), Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Merritt, John S., M.P.A. (Indiana University, 1977), Director, Academic Services; Adjunct Lecturer of Public and Environmental Affairs

Mesch, Debra J., Ph.D. (Indiana University, 1990), Assistant Professor of Public and Environmental Affairs (IUPUI)

Metzger, Richard H., Ed.D. (University of Illinois, 1968), Associate Professor of Public and Environmental Affairs (IUSB)

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

Miller, Theodore K., Ph.D. (University of Iowa, 1970), Associate Professor of Public and Environmental Affairs; Associate Professor of Geography (part-time) (Graduate School)

Moran, Emilio, Ph.D. (University of Florida, 1975), Professor of Anthropology; Professor of Public and Environmental Affairs (part-time) (Graduate School)

Morgan, E. Philip, Ph.D. (Syracuse University, 1970), Director, Undergraduate Programs; Associate Professor of Public and Environmental Affairs (Graduate School)

Mullins, Daniel R., Ph.D. (Syracuse University, 1989), Assistant Professor of Public and Environmental Affairs

Nelson, Craig E., Ph.D. (University of Texas, 1966), Professor of Public and Environmental Affairs (part-time); Professor of Biology (Graduate School)

Nunn, Samuel, Ph.D. (University of Delaware, 1981), Assistant Professor of Public and Environmental Affairs (IUPUI)

Nusbaum, Shirley, M.P.A. (Indiana University, 1982), Assistant Dean of the Faculties for Faculty Records; Lecturer of Public and Environmental Affairs (part-time) (IUPUI)

O'Leary, Rosemary, Ph.D. (Syracuse University, 1988), Associate Professor of Public and Environmental Affairs

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

Oster, Clinton V., Jr., Ph.D. (Harvard University, 1977), Professor of Public and Environmental Affairs; Professor of Marketing (part-time) (Graduate School)

Ostrom, Elinor, Ph.D. (University of California, Los Angeles, 1965), Professor of Political Science (part-time); Professor of Public and Environmental Affairs (part-time); Codirector, Workshop in Political Theory and Policy Analysis (Graduate School)

Ottensmarn, John R., Ph.D. (University of North Carolina, 1974), Director, Planning Program; Associate Professor of Public and Environmental Affairs; Adjunct Associate Professor of Geography (Graduate School) (IUPUI)

Owen, C. James, Ph.D. (University of Notre Dame, 1973), Associate Professor of Public and Environmental Affairs (Graduate School) (IPFW)

Palmer, Judith G., J.D. (Indiana University, 1974), Vice President for Planning; Associate Professor of Public and Environmental Affairs (part-time)

Parkhurst, David F., Ph.D. (University of Wisconsin, 1970), Professor of Public and Environmental Affairs; Professor of Biology (part-time) (Graduate School)

Parks, Roger B., Ph.D. (Indiana University, 1979), Professor of Public and Environmental Affairs (Graduate School)

Parrish, Michael, A.M. (Indiana University, 1960), Head Librarian, 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. (Gonzaga University, 1976), Assistant Dean and Director, Division of Public and Environmental Affairs; Director, Great Lakes Center for Public Affairs and Administration; Associate Professor of Public and Environmental Affairs (Graduate School) (IUN)

Perry, James L., Ph.D. (Syracuse University, 1974), Professor of Public and Environmental Affairs (Graduate School)

Peterson, Michael, Ph.D. (Massachusetts Institute of Technology, 1992), Assistant Professor of Public and Environmental Affairs

Picardal, Flynn W., Ph.D. (University of Arizona, 1993), Assistant Professor of Public and Environmental Affairs

Pirog-Good, Maureen, Ph.D. (University of Pennsylvania, 1981), Associate Professor of Public and Environmental Affairs (Graduate School)

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 Political Science and Public and Environmental Affairs (IUN)

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

Randolph, James C., Ph.D. (Carleton University, Canada, 1972), Director, Midwest Regional Center for Global Environmental Change; Professor of Public and Environmental Affairs; Professor of Biology (part-time) (Graduate School)

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

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

Riemenschneider, Victor L., Ph.D. (Ohio State University, 1971), Associate Professor of Biology; Associate Professor of Public and Environmental Affairs (part-time) (IUSB)

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

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

Rodwin, Marc, Ph.D. (Brandeis University, 1991), Associate Professor of Public and Environmental Affairs

Rosentraub, Mark, Ph.D. (University of Southern California, 1975), Associate Dean, Indianapolis Programs; Director, Center for Urban Policy and the Environment; Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

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

Roy, Sudipto, Ph.D. (Western Michigan University, 1990), Assistant Professor of Public and Environmental Affairs (IUN)

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

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

Rutledge, Philip, L.L.D. (Indiana University, 1980), Director, Center for Global Studies (International Programs); Special Assistant to the President; Professor of Public and Environmental Affairs; Professor of Political Science; Professor of Public and Environmental Affairs and of Political Science (IUB/IUPUI/IUN)

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

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

Schenck, William, M.S.A. (University of Notre Dame, 1979), Lecturer of Public and Environmental Affairs (IUN)

Schroeder, Larry D., Ph.D. (University of Wisconsin, 1971), Professor of Public and Environmental Affairs

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

Shin, Roy W., Ph.D. (University of Minnesota, 1969), Professor of Public and Environmental Affairs (Graduate School)

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

Smith, David, M.D. (Indiana University, 1961), Professor of Medicine; Professor of Public and Environmental Affairs (part-time) (IUPUI)

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

Staehle, William, M.C.P. (Illinois Institute of Technology, 1960), Adjunct Associate Professor of Public and Environmental Affairs (IUN)

Steinhaus, Carol, Ph.D. (University of Nebraska, 1992), Assistant Professor of Public and Environmental Affairs (IUPUI)

Stolzenberg, Lisa, Ph.D. (Florida State University, 1993), Assistant Professor of Public and Environmental Affairs (IUPUI)

Tierney, William M., M.D. (Indiana University, 1976), Professor of Medicine; Professor of Public and Environmental Affairs (part-time) (IUPUI)

Tilton, Timothy, Ph.D. (Harvard University, 1972), Professor of Political Science; Professor of Public and Environmental Affairs (part-time) (Graduate School)

Tschirhart, Mary, Ph.D. (University of Michigan, 1993), Assistant Professor of Public and Environmental Affairs

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

White, Jeffrey R., Ph.D. (Syracuse University, 1984), Associate Professor of Public and Environmental Affairs; Director, Ph.D. in Environmental Science Program; Associate Professor of Geological Sciences (part-time) (Graduate School)

Whiteis, David, Ph.D. (University of Illinois, 1990), Assistant Professor of Public and Environmental Affairs (IUPUI/IPFW)

Whitehead, Donald, Ph.D. (Harvard University, 1958), Professor of Biology; Professor of Public and Environmental Affairs (part-time) (Graduate School)

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

Winn, Mylon, Ph.D. (University of Washington, 1982), Associate Professor of Public and Environmental Affairs (IUPUI)

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

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

Wolinsky, Fredric D., Ph.D. (Southern Illinois University, 1977), Professor of Medicine; Professor of Public and Environmental Affairs (part-time) (IUPUI)

Woods, John, Ph.D. (Miami University, 1977), Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)

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

Zorn, Charles Kurt, Ph.D. (Syracuse University, 1981), 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. With 838 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers more than 3,900 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 institutions of higher education in the Midwest. It serves 94,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. 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.

General Policies

Equal Opportunity/Affirmative Action Policy of Indiana University

Indiana University pledges itself to continue its commitment to the achievement of equal opportunity within the university and throughout American society as a whole. In this regard, Indiana University will recruit, hire, promote, educate, and provide services to persons based upon their individual qualifications. Indiana University prohibits discrimination based on arbitrary consideration of such characteristics as age, color, disability, ethnicity, gender, marital status, national origin, race, religion, sexual orientation, or veteran status.

Indiana University shall take affirmative action, positive and extraordinary, to overcome the discriminatory effects of traditional policies and procedures with regard to the disabled, minorities, women, and Vietnam-era veterans.

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 published in a handbook, *Code of Student Ethics*, 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.

Undergraduate Admissions Policy

Indiana University has adopted the following admissions policy to ensure that undergraduate students are properly prepared for college work. These standards seek to ensure either adequate academic preparation in high school or evidence of unusual motivation on the part of each student admitted to the university. Effective first semester 1991-92, applicants for admission to Indiana University are expected to meet the following criteria.

Freshman Students¹

1. Graduation from a commissioned Indiana high school or comparable out-of-state institution, successfully completing a minimum of 28 semesters of college-preparatory courses including the following:
 - (a) Eight semesters of English. (One semester each of speech and journalism may be included.)
 - (b) Four semesters of social science (economics, government, history, psychology, or sociology).
 - (c) Four semesters of algebra (two semesters of which must be advanced algebra) and two semesters of geometry.
 - (d) Two semesters of laboratory science (biology, chemistry, or physics).
 - (e) Eight semesters in some combination of foreign language; additional mathematics, laboratory science, or social science; computer science; and other courses of a college-preparatory nature.

¹Some academic programs require specific qualifications in addition to those enumerated in this policy.

- (f) Four semesters of foreign language are strongly recommended.
- (g) Courses to develop writing composition skills are strongly recommended.
2. A rank in the upper half of the high school graduating class for Indiana residents or a rank in the upper third of the high school graduating class for out-of-state residents.
3. A score above the median established by Indiana students on a nationally standardized admissions test. Students who have been out of high school for three or more years do not have to submit test scores unless required for admission to specific programs.
4. Each campus may accept students who are deficient in (1), (2), or (3) of the above specifications upon receipt of such evidence as the combination of strength of college-preparatory program, rank in class, grades and grade trends in college-preparatory courses, and standardized test scores. For persons who do not meet the above criteria and who have been out of high school three or more years, admission can be based on other factors such as a General Educational Development (GED) diploma, maturity, work experience, military service, and other factors as determined by the campus.
5. Each campus, at its discretion, may admit a student on a probationary basis and/or through faculty sponsorship.

Transfer Students¹

1. Submission of official transcripts from all previous institutions attended.
2. The transcripts must reflect a cumulative grade point average of at least a 2.0 (on a 4.0 scale) for Indiana residents and at least a 2.5 (on a 4.0 scale) for out-of-state residents.
3. If the student has fewer than 26 transferable credit hours, the high school record should reflect compliance with freshman admission requirements as specified above.
4. The credentials of students seeking transfer to Indiana University will be evaluated on an individual basis.

When students do not qualify upon first application, they will be counseled about ways of removing deficiencies so that they may qualify for admission at a later date. If any provision of this policy is held invalid, the invalidity does not affect other provisions of this policy which can be given effect without the invalid provision, and to this end the provisions of this policy are severable.

Transfer to Other Indiana University Campuses

The policy stated below concerning transfer credit pertains to undergraduate students only.

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.

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, students transferring 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 preenrollment 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 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 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 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)¹ below.

- (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.
- (b) If such person comes from another state or country for the predominant purpose of attending the university, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.¹
- (c) Such person may be classified as a resident student without meeting the 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."¹
- (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

¹ Some academic programs require specific qualifications in addition to those enumerated in this policy.

¹ Note: Rules 2(b) and 2(c) apply only to unemancipated persons under 21 years of age.

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 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 12 months from the residence qualifying date, i.e., the date upon which the student commenced the 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 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.

Fees

Enrollment and administrative fees listed here were approved at the May 1994 meeting and amended at the June 1994 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus *Schedule of Classes*.

Certain courses and programs requiring studios, laboratories, microscopes, computers, or other special equipment may involve special fees in addition to the enrollment fee. Applied music, student teaching, and some physical education courses also carry additional fees. See the campus *Schedule of Classes* for a list of such courses and programs.

Fees for Indiana University campuses other than Bloomington and Indianapolis are published in the bulletin of the specific campus.

ENROLLMENT FEES	Indiana Resident	Nonresident
Bloomington Campus		
Undergraduate ¹	\$1,491.80 flat fee/semester for 12 to 17 credit hours \$93.05/credit hour under 12 or over 17	\$4,883.20 flat fee/semester for 12 to 17 credit hours \$305.10/credit hour under 12 or over 17
Graduate and Professional ¹		
Business-M.B.A. Program ²	\$3,420.00/semester	\$6,840.00/semester
Business ³	\$176.00/credit hour	\$430.70/credit hour
Law	\$153.75/credit hour	\$423.00/credit hour
Optometry	\$144.25/credit hour	\$400.00/credit hour
Other	\$125.80/credit hour	\$366.40/credit hour
Independent Study (Correspondence)	\$79.00/credit hour	\$79.00/credit hour
Dissertation research (G901) ⁴	\$100.00/semester	\$100.00/semester
Auditing (no credit)	\$25.00/credit hour	\$25.00/credit hour
Indianapolis Campus		
Undergraduate ¹	\$92.20/credit hour	\$283.00/credit hour
Graduate and Professional ¹		
Business	\$200.00/credit hour	\$400.00/credit hour
Dentistry	\$8,492.00/year	\$17,621.00/year
Law	\$155.50/credit hour	\$392.50/credit hour
Medicine	\$8,990.00/year	\$20,565.00/year
Nursing	\$130.45/credit hour	\$376.30/credit hour
Social Work	\$128.15/credit hour	\$369.60/credit hour
Other	\$125.80/credit hour	\$363.00/credit hour
Dissertation research (G901) ⁴	\$100.00/semester	\$100.00/semester
Auditing (no credit)	applicable credit hour rate	applicable credit hour rate

¹ Includes credit courses in the School of Continuing Studies.

² M.B.A. students enrolled in 9 or more credit hours of business courses will be assessed a flat rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis.

³ Graduate business credit hour rates apply to (a) M.B.A. students enrolled in fewer than 9 credit hours of business courses, and (b) students enrolled in a doctoral business program.

⁴ To keep their candidacies active, doctoral students with 90 credit hours or more and Master of Fine Arts students with 60 credit hours or more may enroll in G901 for a flat fee of \$100. Also, they must have completed all graduate degree requirements except for the dissertation or final project/performance. Enrollment in G901 is limited to six times. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.

ADMINISTRATIVE FEES ⁵	Bloomington Campus	Indianapolis Campus
Application for admission		
Domestic	\$35.00	\$25.00
International	\$40.00	\$50.00
Deferment service charge ⁶	\$19.00	\$19.45
Health service fee ⁷	\$61.50/semester \$26.50/summer I \$35.00/summer II	optional
Late payment charge	\$42.00/semester	\$10.00/month
Late program change ⁸	\$15.00/course added or dropped	\$17.25/course added
Late registration ⁹	\$42.00 to \$82.00/semester \$42.00/summer session	\$26.50 to \$98.50/semester \$26.50 to \$51.50/summer session \$12.45 or \$21.00/semester \$10.00/semester for Athletic Development
Student activity fee ¹⁰	\$16.50 or \$33.00/semester \$8.25 or \$16.50/summer session	
Technology fee, fall or spring semesters ¹¹		
Freshmen	\$25.00, \$50.00, \$100.00	\$25.00, \$50.00, \$75.00
Sophomores	\$25.00, \$50.00, \$100.00	\$25.00, \$50.00, \$75.00
Juniors	\$25.00, \$50.00, \$100.00	\$25.00, \$50.00, \$100.00
Seniors	\$8.00, \$16.00, \$32.00	\$7.50, \$15.00, \$22.50
Graduate/professional, nondegree students	\$11.00, \$22.00, \$45.00	
Special undergraduate students		\$7.50, \$15.00, \$22.50
Technology fee, summer sessions ¹²		
Freshmen	\$12.50, \$25.00	\$25.00, \$37.50
Sophomores	\$12.50, \$25.00	\$25.00, \$37.50
Juniors	\$12.50, \$25.00	\$25.00, \$37.50
Seniors	\$4.00, \$8.00	\$7.50, \$11.25
Graduate/professional, nondegree students	\$5.50, \$8.00	
Transcripts	\$6.00	\$6.00

⁵ Applicable to both in-state and out-of-state students.

⁶ Fee is assessed if deferred billing option is elected.

⁷ The health fee is assessed each semester/session on the Bursar's bill for all day and evening students enrolled in more than 3 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.

⁸ After drop/add period (100 percent refund period), students will be assessed \$15.00 in Bloomington and \$17.25 in Indianapolis for each added course, section change, change of arranged hours, or credit/audit change. On the Bloomington campus, students will also be assessed for each dropped course.

⁹ A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is \$42.00 for students who register by the last Friday before classes begin and increases by \$10.00 on the Monday of each successive week to a maximum of \$82.00. On the Indianapolis campus, a \$26.50 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by \$23.50 the first and second weeks and \$25.00 the third week to a maximum of \$98.50. In Indianapolis summer sessions, a late registration fee of \$26.50 is assessed the first week, and \$51.50 the second week and thereafter.

¹⁰ At Bloomington, students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of \$16.50. Students enrolled in more than 3 credit hours pay \$33.00. Summer session students pay a fee per session according to the number of hours they are enrolled: 3 or fewer credit hours, \$8.25; more than 3 credit hours, \$16.50. At Indianapolis, the student activity fee for 1 to 8 credit hours is \$12.45 per semester. Students enrolled in 9 or more credit hours pay \$21.00 per semester. Indianapolis students are also charged a \$10.00 Athletic Development fee each semester.

¹¹ A technology fee, based on class standing, will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.

¹² A technology fee is assessed for summer sessions, based on class standing, according to the number of enrolled credit hours as follows: 3 or fewer credit hours; greater than 3 credit hours.

Course Fee Refund Schedule

Time of Withdrawal	Refund	Time of Withdrawal	Refund
9- through 16-week classes		1-week (or less) classes	
During 1st week of classes	100%	During 1st day of classes	100%
During 2nd week of classes	75%	During 2nd day of classes	50%
During 3rd week of classes	50%	During 3rd day of classes	
During 4th week of classes	25%	and thereafter	None
During 5th week of classes		The refund policy applies to credit hour fees	
and thereafter	None	and all course-related fees.	
5- through 8-week classes		Procedure See the <i>Schedule of Classes</i> for more	
During 1st week of classes	100%	information about how to withdraw from	
During 2nd week of classes	50%	classes.	
During 3rd week of classes		Student Financial Assistance Students can	
and thereafter	None	obtain information about financial assistance	
2- through 4-week classes		through the financial aid office, through the	
During the 1st and 2nd day of classes	100%	student employment office, or through their	
During 3rd and 4th day of classes	50%	schools and departments. For courses taken in	
During 5th day of classes		Bloomington, contact Human Resources	
and thereafter	None	Management for information about	
		faculty/staff fee courtesy; for courses taken at	
		IUPUI, contact the Office of Student Financial	
		Aid.	

Veterans Benefits Eligible students will receive veterans benefits according to the following scale, which is based on the number of credit hours in which the student is enrolled.

	Bloomington and IUPUI Fall/Spring Semesters ¹	IUPUI Summer I ¹	Bloomington Summer I	Bloomington and IUPUI Summer II ¹
Undergraduate Benefits				
full	12 or more	6	4	6
three-quarters	9-11	4-5	3	4-5
one-half	6-8	3	2	3
tuition only	fewer than 6	1-2	1	1-2
Graduate Benefits				
full	8 or more	4	4	4
three-quarters	6-7	3	3	3
one-half	4-5	2	2	2
tuition only	fewer than 4	1	1	1

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent on the Bloomington campus to notify the Office of Disabled Student Services and Veterans Affairs of any schedule change that may increase or decrease the amount of benefits allowed. Veterans and veteran dependents on the IUPUI campus should notify the Office of the Registrar.

Veterans with service-connected disabilities may qualify for the Department of Veterans Affairs Vocational Rehabilitation Program. They should contact their regional VA office for eligibility information.

At IUPUI, veterans and veteran dependents must notify their veteran benefit representative in the Office of the Registrar in person at the time of registration.

¹ On the IUPUI campus, check with a VA representative in the Office of the Registrar for positive verification of your hourly status.

Indiana University Bulletins

You may want to explore other schools of Indiana University. The following is a complete list of our bulletins. Please write directly to the individual unit or campus for its bulletin.

Indiana University Bloomington

College of Arts and Sciences
School of Business¹
School of Continuing Studies²
School of Education³
School of Health, Physical Education, and Recreation
School of Journalism
School of Law—Bloomington⁴
School of Library and Information Science
School of Music
School of Optometry
School of Public and Environmental Affairs³
University Division⁵
University Graduate School

Indiana University—Purdue University Indianapolis

School of Allied Health Sciences
School of Business¹
School of Continuing Studies²
School of Dentistry
School of Education³
School of Engineering and Technology (Purdue University)
Herron School of Art
School of Journalism
School of Law—Indianapolis⁴
School of Liberal Arts
School of Medicine
School of Nursing³
School of Optometry
School of Physical Education
School of Public and Environmental Affairs³
School of Science (Purdue University)
School of Social Work
Undergraduate Education Center
University Graduate School

Indiana University East (Richmond)

Indiana University—Purdue University Fort Wayne

Indiana University Kokomo

Indiana University Northwest (Gary)

Indiana University South Bend

Indiana University Southeast (New Albany)

¹ There are two separate bulletins for the Bloomington and Indianapolis undergraduate business programs; please specify which of the two bulletins you need. The graduate business programs for Bloomington and Indianapolis are also separate. Contact the school for a bulletin or other material describing these programs.

² Bulletins on the General Studies Degree Program, Independent Study Program, and Division of Labor Studies are available from this school.

³ Two bulletins are issued: graduate and undergraduate.

⁴ There are two Indiana University schools of law. Be sure to specify whether you want a bulletin of the Bloomington or Indianapolis school.

⁵ Available only to admitted University Division students.