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INDIANA UNIVERSITY BULLETIN
School of Public and
Environmental Affairs

Undergraduate Programs

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University Bulletin—Entered at the Post Office at
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Indiana University-Purdue University at Indianapolis

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

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

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

Write directly to the individual regional campus for its bulletin.

¹ Two bulletins are issued: graduate and undergraduate.

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

INDIANA UNIVERSITY BULLETIN

School of Public and Environmental Affairs

Undergraduate Programs

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INDIANA UNIVERSITY BULLETIN OFFICIAL SERIES (USPS 262440)

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

School of Public and Environmental Affairs

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

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

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

SPEA Alumni Association

As an operating unit of the Indiana University Alumni Association, the SPEA Alumni Association furthers career development and other interests of its members by providing continuous association with the School and its faculty, with fellow alumni, and with others in the field of public affairs. The SPEA Alumni Association was started in 1974 and now has more than 3,500 graduates as members. These graduates can be found in all 50 states plus 13 foreign countries. SPEA graduates have developed 12 geographical groups in the past three years in Bloomington, Chicago, Dallas, Denver, Fort Wayne, Gary, Houston, Indianapolis, Los Angeles, San Francisco, South Bend, and Washington, D.C.

Extensive networking occurs continually through professional development workshops, social gatherings, and personal contact. The network provides updated career information, employment opportunities, and the chance to maintain contact with the School and other alumni. Each fall the Association conducts its annual meeting in conjunction with the Homecoming Weekend at the Bloomington campus. SPEA graduates are encouraged to participate in all Association activities.

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 who have demonstrated distinctive performance in public affairs. The Indiana chapter offers several types of Pi Alpha Alpha membership. Undergraduate students are eligible when they are in the top 10 % of their class with a minimum of a 3.5 grade-point average in at least 15 semester hours of SPEA courses, a cumulative grade point average of 3.0, and are in the last semester of the junior year or in the senior year.

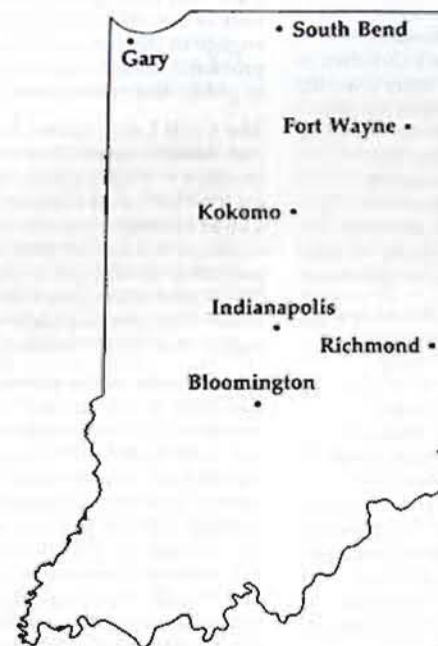
Graduate students qualify for membership by being in the top 20 % of their M.P.A./M.S.E.S. class with a minimum 3.5 grade-point average for 50 % of the required course work.

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

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

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

Although Pi Alpha Alpha is a fairly new organization, it is expected to become the summary vehicle recognizing the outstanding qualities of students of public affairs. Membership in Pi Alpha Alpha may be compared to membership in Phi Beta Kappa for liberal arts graduates. A person evaluating credentials in the various fields of public service should recognize the professional quality such a membership represents.



School of Public and Environmental Affairs Undergraduate Programs Systemwide

IU Northwest (Gary)

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

IU at Kokomo

Associate of Science in Criminal Justice

IU-PU at Indianapolis

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

IU at South Bend

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

IU-PU at Fort Wayne

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

IU East (Richmond)

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

IU Bloomington

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

SPEA Centers, Institutes, Programs, and Services

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

Center for Public Sector Labor Relations, based in Bloomington, was established in response to the changing relationship between public employees and their government employers. Labor Center activities include publishing the *Midwest Monitor*, a topical digest of recent literature and developments in public sector labor relations, maintaining a special public sector labor relations library collection, responding to specific requests for information unique to a particular problem or jurisdiction, and publishing *Practitioner's Guides*, occasional monographs intended to help labor relations practitioners improve their skills.

The Center for Urban and Regional Analysis in Bloomington was established to coordinate research, service, and administration of educational programs. The Center offers the Urban Studies Program at Indiana University and supplements course work in a given discipline with specialized or general work in urban and regional planning. Research activities of the Center encompass a wide range of activities at the state and regional levels, with transportation planning a special area of expertise. The Urban Studies Reading room is a library maintained by the Center which contains hundreds of planning documents and studies from across the United States; the largest urban trip distribution data file in the U.S.; bibliographic guides, such as Urban Affairs Abstracts and Index of Urban Documents; and more than 500 bibliographies of the Council of Planning Librarians.

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

The Executive Education Program of the School is based in Indianapolis and offers opportunities for executives from federal, state, and local governmental agencies as well as executives in private organizations to engage in the continuing examination of problems, issues, approaches, and methods in public and environmental affairs.

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

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

The Institute for Research in Public Safety (IRPS), located in Bloomington, performs research and provides technical assistance and research-based seminars in the field of public safety. The Institute has a core staff of 20 professional researchers. Its activities cover the areas of highway traffic safety, criminal justice, and public health and safety, including occupational and consumer product safety for federal, state, and local agencies.

The Indiana Academy in the Public Service is an organization of city, town, county, and state officials working in cooperation with academic institutions to promote continuing education programs for Indiana governmental leaders. Since the service program began in 1976, the primary focus has been the development and presentation of a series of A.P.S. seminars for local government leaders, covering fundamental topics oriented to elected public officials. Following a reorganization in early 1983, the School of Public and Environmental Affairs now manages A.P.S. through an office on the Indianapolis campus. Ongoing program efforts aim to maintain and coordinate an active resource network for training local government leadership.

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

The Office of Development and External Programs, located in Bloomington, assists SPEA faculty, professional staff, institutes, and centers systemwide in developing new externally funded projects of all types. The office also coordinates efforts to raise funds for scholarships, and faculty research projects and is responsible for the administration of the Career Planning and Internship Center and coordination of alumni affairs.

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

The Business-SPEA Library, an official branch of the Indiana University Library, serves the research and study needs of both the School of Business and the School of Public and Environmental Affairs. It is located on the ground floor between the Business Building and the SPEA Building on the Bloomington campus. Librarians locate specific information and serve as guides in systematic searches of the literature by using catalogs, encyclopedias, indexes, data bases, bibliographies, and other materials. A computer-assisted reference service is also available.

Career Planning and Internship Center

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

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

Students participating in an internship may earn from one to six hours of credit per experience through enrollment in SPEA V380, Internship in Public and Environmental Affairs. A maximum of 15 internship credit hours is permitted in the undergraduate program. Enrollment in V380 must run concurrent with the internship. Credit will not be granted for work experience obtained prior to enrollment in V380. As a condition for receiving an internship arranged by the Career Planning and Internship Center, students are required to enroll for a minimum of three credit hours in V380.

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

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

Students develop career objectives and plans through counseling. Supplementing the counseling is a one credit-hour career planning course (V352) that offers specific

instruction on employment/internship opportunities, research, resume preparation, and interviewing techniques.

To gain access to counseling, interview schedules, and other career planning services, the student must register with the Center. Historically, those who have registered and have taken the career planning course tend to have a higher success rate in finding employment. It is strongly recommended that all SPEA students take advantage of this opportunity.

The Undergraduate Programs

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

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

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

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

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

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

Bloomington
Director, Undergraduate Programs
School of Public and Environmental Affairs
SPEA Building, Room 240
Indiana University
Bloomington, Indiana 47405
(812) 335-3475

Indianapolis
Office of the Dean
School of Public and Environmental Affairs
Business-SPEA Building, Room 3025
Indiana University-Purdue University at Indianapolis
801 West Michigan Street
Indianapolis, Indiana 46223
(317) 264-4656

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

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

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

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

South Bend
 Director
 Division of Public and Environmental Affairs
 Indiana University at South Bend
 1700 Mishawaka Avenue
 P. O. Box 7111
 South Bend, Indiana 46634
 (219) 287-4131

Admission to Undergraduate Degree Programs

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

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

Admission Eligibility to SPEA-Bloomington Campus All students, including intercampus transfer of students previously admitted to SPEA on another campus, must meet the following criteria for admissions to SPEA at Bloomington:
 Completion of at least 26 credit hours of acceptable course work with a minimum cumulative grade-point average of 2.0 (C).

These credit hours must include completion of the following five (5) courses, with a separate cumulative grade-point average of 2.0 (C).

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

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

Inter-Campus Transfer Students admitted to the School of Public and Environmental Affairs at any campus of Indiana University may transfer to SPEA on another campus, provided they are in good standing and/or are accepted by SPEA at the other campus and meet the admission criteria at that campus.

Academic Regulations Systemwide

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

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

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

Student Responsibility Students are responsible for planning their own academic programs and for meeting the requirements for their degrees or certificate programs.

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

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

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

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

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

1. *Baccalaureate* and *Associate* degree candidates must rank within the highest ten (10) percent of their SPEA graduating class at the campus where they are receiving their degree.
2. *Baccalaureate* degree candidates must have successfully completed a minimum of sixty (60) credit hours at Indiana University.
3. *Associate* degree candidates must have successfully completed at least half of the hours required for their degree at Indiana University.
4. Attain the required grade point average (GPA) for the appropriate level of distinction as listed below:
 Highest Distinction 3.9 and above
 High Distinction 3.7 through 3.89
 Distinction 3.5 through 3.69

Class Standing Class standing is based on the total number of credit hours completed.
 Freshman, fewer than 27 credit hours
 Sophomore, 27 to 55 credit hours
 Junior, 56 to 85 credit hours
 Senior, 86 or more credit hours

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

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

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

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

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

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

Incomplete All incomplete (I) grades must be removed within the time specified by the instructor of the course or they will automatically change to an F one calendar year after the end of the semester/session the incomplete was given. Students who receive a grade of incomplete should not register for the course a second time.

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

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

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

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

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

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

FX Policy An undergraduate student who has retaken a course previously failed may request to have only the last grade in that course counted in the determination of the student's grade-point average. The original F will be replaced by the notation FX on the student's transcript and SPEA academic record and only the last grade will be used in computing the grade-point average. This policy also applies in cases where the student may have failed the same course two or more times. Requests for SPEA approval of FX courses should be made to the SPEA campus recorder.

Pass/Fail Option SPEA undergraduate students in good standing (not on probation) may enroll in a maximum of eight (8) elective courses for a bachelor degree and a maximum of two (2) elective courses for an associate degree to be taken with a grade of P (pass) or F (fail).

The pass/fail option is allowed for a maximum of two courses per academic year (August to August) including summer sessions. The course selected for pass/fail must be a general degree program elective and may not be used to satisfy any of the

SPEA general education, core, or concentration requirements or to satisfy certificate requirements. The election of this option must be made in conformance with the deadlines as contained in the campus *Schedule of Classes*. A grade of Pass (P) does not affect the grade-point average, but a failing grade (F) will be computed in the cumulative grade-point average.

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

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

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

Second Undergraduate Degree Normally the holder of a bachelor's degree who wishes to pursue further education is encouraged to become qualified for admission to graduate study. In certain cases a baccalaureate degree holder may be admitted to candidacy for an associate or second bachelor's degree. In such cases the candidate must earn at least thirty (30) additional credit hours as a student enrolled in SPEA and meet all requirements for the SPEA degree being sought.

Course Waivers Requests for waiver of specific courses or requirements on the basis of previous course work are to be submitted

in writing to the appropriate undergraduate program or campus director.

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

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

Cheating

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

Fabrication

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

Plagiarism

A student must not intentionally adopt or reproduce ideas, words, or statements of another person without acknowledgment. A student must give due credit to the originality of others and honestly pay his literary debts. He should acknowledge indebtedness: (1.) whenever he quotes another person's actual words; (2.) whenever he uses another person's idea, opinion, or theory; (3.) whenever he borrows facts, statistics, or other illustrative material-unless the information is common knowledge.

Interference

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

Facilitating Academic Dishonesty

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

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

Special Opportunities for Students

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

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

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

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

Students seeking admission to or desiring additional information regarding the SPEA Accelerated Master's Program should contact the appropriate graduate program or campus director.

The Honors Program

The SPEA Honors Program allows qualified undergraduate students to pursue their academic interests while being recognized for outstanding performance. The Honors Program places emphasis on more intensive reading and research in areas of the student's own interest.

Sophomores and juniors who have a cumulative grade-point average of 3.4 or higher may apply for admission to the program. The principal requirements are to maintain a 3.4 or higher grade-point average; to complete successfully no fewer than four honors courses, a minimum of two which must be SPEA courses; and to write a senior thesis.

All seniors in the Honors Program are required to write a senior thesis. The student must reach agreement with a faculty member to direct the thesis and must then enroll in V499, Honors Thesis, which can be done in either semester of the senior year.

Arrangements with the thesis director should be completed prior to registration.

Other honors courses may be taken from those offered by the University Honors Division or by individual departments. In addition to formal SPEA honors courses, a qualified student may make arrangements with individual instructors for additional readings and papers in courses which the student intends to enroll. The additional work, certified by the instructor to the honors adviser on each campus, will permit the course to be counted as an "honors course."

The SPEA-University of Kent Exchange Program

Up to six SPEA undergraduates may be selected each year to spend their junior year at the University of Kent at Canterbury, England. Students accepted for the program earn Indiana University credits while at Kent for courses that have IU equivalents or that supplement IU programs of study. The University of Kent offers courses in public administration, urban affairs, government, law, economics, computer science, management science, and liberal arts and humanities. SPEA students in residence at Kent may also earn a diploma from that university upon completion of an optional year-end examination. Minimum qualifications for application to the program include a cumulative GPA of 3.30 and second-semester sophomore standing.

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

Interested students should contact the SPEA undergraduate or campus director.

Environmental Programs

SPEA offers the following degree and certificate programs for students interested in the study of environmental problems and concerns either as a complete program or as an additional component to another major area of study.

At the undergraduate level, an Environmental Studies Certificate is available to undergraduate students of the University and the Environmental Studies major is available to students in the College of Arts and Sciences. Environmental Affairs and Science concentrations are for students seeking a bachelor of science degree or an associate science degree from the School of Public and Environmental Affairs.

The current undergraduate environmental programs differ in the degree of specialization. These programs are:

A Certificate in Environmental Studies is available with a few exceptions to undergraduate students enrolled in any school or division of the University. It provides an introduction to environmental problems and alternatives for specialists in a wide variety of disciplines. The certificate requires eight courses (26-27 credit hours) and is described in detail under Certificate Programs in this *Bulletin*.

A Major in Environmental Studies is available only to undergraduate students in the College of Arts and Sciences at the Bloomington campus. The Environmental Studies major requires 15-18 courses (45-54 credit hours) and requires that students must also complete another major of their choice in the college. The requirement for a second major assures depth in a particular field. This major is described in detail in the Bloomington B.S.P.A. section of this *Bulletin*.

A Concentration in Environmental Science is available to Bachelor of Science in Public Affairs students in the School of Public and Environmental Affairs. The concentration includes a multi-disciplinary study of the nature, origin, and options for solutions for environmental problems with emphasis on their implications for public administration and policy. This concentration is described in detail under the Bachelor of Science in Public Affairs areas of concentration in this *Bulletin*.

The Associate of Science in Public Affairs with an Environmental Affairs concentration is also available through SPEA. This concentration provides an environmental experience through a subset of the courses required for the Environmental Science concentration of the Bachelor of Science Degree in Public Affairs. This concentration is described in detail under the Associate of Science in Public Affairs in this *Bulletin*.

Associate of Science Degree Programs

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

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

General Requirements for the Associate of Science Degree Programs

1. A minimum of sixty (60) credit hours with a cumulative grade-point average of at least 2.0 is required.
2. A grade-point average of C+ (2.3) must be attained in all courses taken to complete the Public Affairs Core and/or the concentration for the specific associate degree program for which the student is enrolled.
3. Credit work for these degree programs may be taken at any campus of Indiana University.

4. Applicable course work completed in special student or nondegree status will be accepted toward meeting degree requirements.
5. Not more than thirty (30) credit hours of appropriate transfer credit from another accredited institution may be applied toward this degree.
6. With permission of the School of Public and Environmental Affairs, credit earned through correspondence study in the Division of Independent Study of Indiana University and/or by special credit examination may be applied toward this degree.
7. Courses taken to meet specific degree requirements cannot be used (double counted) to satisfy any other degree requirement.
8. Courses taken on the Pass/Fail Option can only be applied as electives in meeting degree requirements. In no case can more than two Pass/Fail courses be applied toward this degree.
9. To avoid loss of credit and other problems, students must apply for admission to the associate degree program prior to completing 35 semester hours of course work creditable toward the degree (excluding ROTC credit awarded for military service).
10. Applications for admission to the associate of science program can be obtained from the Office of the Recorder, School of Public and Environmental Affairs, or the appropriate program office at the campus where the student is enrolled or is applying for admission.
11. Students must complete associate degree requirements before attaining senior status (86 hours) to be eligible for an associate degree.
12. Courses offered by the Department of Forensic Studies of the College of Arts and Sciences are credited as criminal justice courses for these degrees.
13. All credit of candidates for the associate of science degree must be on record at least six weeks prior to the conferring of degrees.
14. Application for the associate of science degree must be filed with the SPEA Recorder or appropriate program office in accordance with the graduation policy of the specific campus where the degree is to be awarded.

Associate of Science in Criminal Justice

Systemwide

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

Degree Requirements 60 credit hours
Communications three courses

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

One of the following speech courses:
Communications COM114 Fundamentals of
Speech Communications (3 cr.)
Communications C104 Training the Speaking
Voice (2 cr.)
Communications C110 Fundamentals of
Speech Communications (3 cr.)
Speech S121 Public Speaking (3 cr.)
Speech S122 (C180) Introduction to
Interpersonal Communications (2 cr.)
Speech S223 (C223) Business and Professional
Speaking (3 cr.)
Speech S228 (C227) Argumentation and
Debate (3 cr.)
Speech S229 (C228) Discussion and Group
Methods (3 cr.)

General education six courses

Arts and humanities one course from one of
the following subject areas (excluding
courses used to satisfy other degree
requirements): R: History H105 or H106
Afro-American studies
classical studies
comparative literature
English
fine arts
folklore
foreign languages and literatures
history
musicology and music history
philosophy
religious studies
speech
theater and drama

Social and behavioral sciences one course from
one of the following subject areas (excluding
courses used to satisfy other degree
requirements):
anthropology
economics
geography
journalism
linguistics
political science
psychology
sociology

Biological sciences one course from one of the
following subject areas (excluding courses
used to satisfy other degree requirements):
anatomy and physiology
botany
Psychology P101 Introductory Psychology I (3
cr.)
Psychology P103 General Psychology (3 cr.)
(South Bend)
Psychology B105 Introductory Psychology II
(3 cr.)
biology
zoology

Mathematics and physical sciences one course
from one of the following subject areas
(excluding courses used to satisfy other
degree requirements): R: Mathematics M118
or M119
astronomy
chemistry
geology
physics
mathematics
computer science
computer technology
or the following crosslisted courses:
Geography G107 Physical Geography (3 cr.)
Geography G109 Weather and Climate (3 cr.)
Geography G303 Weather, Climate, and Man
(3 cr.)
Geography G304 Meteorology and
Climatology (3 cr.)

General education electives two other courses
selected from the subject areas listed above
to meet the requirement of six General
Education courses.

Criminal Justice Concentration seven
courses

Introduction to Criminal Justice
One of the following courses:
SPEA J101 The American Criminal Justice
System (3 cr.)
Forensic Studies P201 Survey of Criminal
Justice (3 cr.)

Criminal Law
One of the following courses:
SPEA J301 Criminal Law (3 cr.)
SPEA J401 Criminal Law and Procedure (3
cr.)
Forensic Studies P370 Legal Aspects of
Criminal Justice System I (3 cr.)

Crime and Deviance
One of the following courses:
SPEA J339 Criminal Typologies (3 cr.)
Psychology P324 (B380) Abnormal
Psychology (3 cr.)
Sociology R344 Juvenile Delinquency and
Society (3 cr.)
Sociology R345 Crime and Society (3 cr.)
Sociology R346 Control of Crime (3 cr.)
Sociology S320 Deviant Behavior and Social
Control (3 cr.)
Sociology S325 Criminology (3 cr.)
Sociology S328 Juvenile Delinquency (3 cr.)

Criminal Justice Electives
Four additional SPEA criminal justice or
forensic studies courses (12 cr.)
General degree program electives sufficient
additional courses to meet the associate of
science degree requirement of 60 credit
hours.

Associate of Science in Public Affairs

Systemwide

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

Degree Requirements 60 credit hours
Communications three courses

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

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

General education six courses

Social Sciences three courses
The following two courses:
Economics E103 (E201) Introduction to
Microeconomics (3 cr.) or
Economics E104 (E202) Introduction to
Macroeconomics (3 cr.) and
Political Science (Y103) Introduction to
American Politics (3 cr.)

One course from sociology or psychology

Quantitative methods two courses
One of the following computer courses:
Business K201 Computer in Business (3 cr.)
Computer Science C201 Introduction to
Computer Programming (4 cr.)
Computer Science 206 Computer
Programming (3 cr.)
Computer Science 207 Computers in the
Social Sciences (3 cr.)
Computer Science 208 The Computer in
Business (3 cr.)
Computer Technology CIS106 Introduction to
Computer (3 cr.)
Computer Technology CIS107 Personal
Computers (3 cr.)
Other approved computer course

One mathematics course (excluding
Mathematics for Teachers and Indiana
University mathematics courses below the
100 level) R: Mathematics M118 Finite
Mathematics (3 cr.) or M119 Survey of
Calculus I (3 cr.)
Note: Environmental Affairs Concentration
students should select a course in calculus to
satisfy this requirement.

Arts and humanities one course from one of
the following subject areas (excluding courses
used to satisfy other degree requirements): R:
History H105 or H106
Afro-American studies
classical studies

communication and theatre
comparative literature
English
fine arts
folklore
foreign languages and literature
history
history and philosophy of science
musicology and music history
philosophy
religious studies
speech
theatre and drama

Public Affairs Core four courses

Both of the following courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA V264 Urban Structure and Policy (3 cr.)

One of the following three courses:

SPEA E200 Environment and People (3 cr.)

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

SPEA E300 Introduction to Environmental Science (3 cr.)

One of the following courses:

SPEA V270 Survey of Administrative Techniques (3 cr.)

SPEA V366 Managing Human Resources (3 cr.)

Areas of concentration four to seven courses

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

The concentration areas available on each campus are as follows:

Bloomington - Indianapolis - Northwest - South Bend

criminal justice
emergency services administration
environmental affairs
public administration

East (Richmond)
criminal justice
public administration

Fort Wayne
criminal justice
emergency services administration
public administration

Criminal Justice Concentration

five courses

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

Requirements

Introduction to Criminal Justice

One of the following courses:

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

Forensic Studies P201 Survey of Criminal Justice (3 cr.)

Criminal Law

One of the following courses:

SPEA J301 Criminal Law (3 cr.)

SPEA J401 Criminal Law and Procedure (3 cr.)

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

Crime and Deviance

One of the following courses:

SPEA J339 Criminal Typologies (3 cr.)

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

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

Sociology R344 Juvenile Delinquency and Society (3 cr.)

Sociology R345 Crime and Society (3 cr.)

Sociology R346 Control of Crime (3 cr.)

Sociology S320 Deviance and Control (3 cr.)

Sociology S325 Criminology (3 cr.)

Sociology S328 Juvenile Delinquency (3 cr.)

Forensic Studies P460 Public Control of Deviant Behavior (3 cr.)

Criminal Justice Electives

Two additional SPEA Criminal Justice or Forensic Studies courses.

Emergency Services Administration Concentrations

five courses

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

Requirements

The following course:

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

Three of the following courses:

SPEA H320 Introduction to Health Administration (3 cr.)

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

SPEA V372 Financial Management and Budgeting (3 cr.)

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

SPEA V376 Law and Public Policy (3 cr.)

SPEA J376 Principles of Public Safety (3 cr.)

SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
SPEA K300 Statistical Techniques (3 cr.) or other approved courses.

In addition to the above requirements, students are required to complete successfully an approved *Administrative* field experience of at least three (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 seven courses

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

Requirements

The following course:

SPEA V365 Urban Development and Planning (3 cr.)

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

One of the following courses:

Geography G101 Introduction to Earth Science (3 cr.)

Geography G107 Physical Geography (3 cr.)

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

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

Geology G111 Elements of Geology (3 cr.)

One of the following courses:

Economics E103 (E201) Introduction to Microeconomics (3 cr.)

Economics E104 (E202) Introduction to Macroeconomics (3 cr.)

Two of the following courses:

Biology L200 Environmental Biology (3 cr.)

Biology L350 Environmental Biology (3 cr.)

Biology K341 Principles of Ecology (5 cr.)

Geography G213 Introduction to Economic Geography (3 cr.)

Geography G304 Climatology (3 cr.)

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

Geology G300 Environmental and Urban Geology (3 cr.)

Geology G315 Environmental Conservation (3 cr.)

Geology G316 Mineral Resources (3 cr.)

Geology G415 Geomorphology (3 cr.)

Political Science Y313 Environmental Policy (3 cr.)

SPEA H316 Introduction to Environmental Health (3 cr.)

SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
SPEA E451 Air Pollution and Control (3 cr.)
SPEA E452 Solid and Hazardous Waste Treatment (3 cr.)

One of the following courses:

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

Mathematics/Psychology K310 Statistical Techniques (3 cr.)

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

Sociology R359 Introduction to Sociological Statistics (3 cr.)

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

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

Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Administration

Concentration four courses

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

Requirements

Four of the following courses:

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

SPEA H316 Introduction to Environmental Health (3 cr.)

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

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

SPEA V372 Financial Management and Budgeting (3 cr.)

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

SPEA V376 Law and Public Policy (3 cr.)

SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

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

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

Special concentration minimum of four courses

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

General degree program electives sufficient additional courses to complete the associate of science degree requirement of sixty credit hours.

Bachelor of Science Degree Programs

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

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

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

General Requirements for the Bachelor of Science Degree Programs

1. A minimum of 120 credit hours distributed to meet degree requirements with a cumulative grade-point average of 2.0 (C) for all course work completed is required.

2. A grade-point average of at least 2.3 (C+) must be attained in all coursework completed to satisfy core and concentration requirements.
3. Applicable coursework taken in a Special Student or Nondegree Status will be accepted toward meeting degree requirements.
4. Not more than ninety (90) credit hours of transfer credit from another accredited institution may be applied toward this degree.
5. With permission of the School of Public and Environmental Affairs credit earned through correspondence study in the Division of Independent Study of Indiana University and/or by special credit examination may be applied toward this degree.
6. Courses taken to meet specific degree requirements cannot be used (double counted) to satisfy any other degree requirements.
7. Courses taken on the Pass/Fail Option can only be applied as electives in meeting degree requirements. In no case can more than eight Pass/Fail courses be used in meeting degree requirements.
8. Credit work for this degree can be completed at any campus of Indiana University.
9. All credit of candidates for degrees, except for the current semester/summer session, must be on record at least six weeks prior to the conferring of degrees.
10. An application for the bachelor of science degree must be filed with the SPEA Recorder or appropriate program office in accordance with the graduation procedure of the specific campus where the degree is to be awarded.

Bachelor of Science in Public Affairs Systemwide

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

Degree Requirements 120 credit hours

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

The General Education and the Public Affairs Core requirements of the B.S.P.A. are

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

General Education 15-17 courses

Communications three courses 8 to 9 credit hours

Both of the following writing courses:

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

English W231 Professional Writing Skills (3 cr.) or

English W232 Introduction to Business Writing (3 cr.) (Ft. Wayne campus only)

One of the following speech courses:

Communications 114 Fundamentals of Speech Communications (3 cr.)

Communications C104 Training the Speaking Voice (2 cr.)

Communications C110 Fundamentals of Speech Communications (3 cr.)

Speech S121 Public Speaking (2 cr.)

Speech S122 (C180) Introduction to Interpersonal Communication (2 cr.)

Speech S223 (C223) Business and Professional Speaking (3 cr.)

Speech S228 (C227) Argumentation and Debate (3 cr.)

Speech S229 (C228) Discussion and Group Methods (3 cr.)

Arts and Humanities four courses 12 credit hours

History H105 American History I (3 cr.)

History H106 American History II (3 cr.)

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

Afro-American studies

classical studies

communication and theatre

comparative literature

English

fine arts

folklore

foreign languages and literatures

history

history and philosophy of science

literatures

musicology and music history

philosophy

religious studies

speech

theatre and drama

Economics and Political Science four courses 12 credit hours

Economics E103 (E201) Introduction to Microeconomics (3 cr.)

Economics E104 (E202) Introduction to Macroeconomics (3 cr.)

Economics E360 Public Finance: Survey (3 cr.)

Note: Public Financial Administration Concentration students completing Economics E361 and E362 need not take E360

Political Science Y103 Introduction to American Politics (3 cr.)

Natural Sciences two to four courses

Minimum of 10 credit hours selected from at least two of the following major areas:

Biology

Biology L100 Man and the Biological World (5 cr.)

Biology L105 Introduction to Biology (5 cr.)

Biology N100 Contemporary Biology (3 cr.)

Biology N107 Introduction to Zoology (3 cr.)

Biology 108 Biology of Plants (4 cr.)

Biology 109 Biology of Animals (4 cr.)

Biology 203 Biology of Man (3 cr.)

Chemistry

Chemistry C101 Elementary Chemistry I (3 cr.)

Chemistry C121 Elementary Chemistry Laboratory I (2 cr.)

Chemistry C102 Elementary Chemistry II (3 cr.)

Chemistry C122 Elementary Laboratory II (2 cr.)

Chemistry C105 Principles of Chemistry I (3 cr.)

Chemistry C125 Experimental Chemistry I (2 cr.)

Chemistry 111 General Chemistry (3 cr.)

Chemistry 112 General Chemistry (3 cr.)

Chemistry 115 General Chemistry (3 cr.)

Chemistry 116 General Chemistry (3 cr.)

Earth Sciences

Geography C107 Physical Systems of the Environment (3 cr.)

Geology G100 General Geology (3-5 cr.)

Geology G101 Introduction to Earth Science (3 cr.)

Geology G103 Earth Science - Materials and Processes (3 cr.)

Geology G104 Earth Science - Evolution of the Earth (3 cr.)

Geology G107 Resources and Man (3 cr.)

Geology G109 Evolution of the Earth (3 cr.)

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

Geology G111 Elements of Geology I (3 cr.)

Geology G112 Elements of Geology II (3 cr.)

Physics

- Physics P101 Physics in the Modern World (4 cr.)
 Physics P120 Energy and Technology (3 cr.)
 or E250 The Environment and Physics (3 cr.)
 Physics P200 Our Physical Environment (3 cr.)
 Physics P201 General Physics I (5 cr.)
 Physics P218 General Physics (4 cr.)
 Physics 100 Physics in the Modern World (5 cr.)
 Physics 131 Concepts in Physics I (3 cr.)
 Physics 132 Concepts in Physics II (3 cr.)

Quantitative Methods four courses 12-15 credit hours

- One of the following computer courses:
 Business K201 Computer in Business (3 cr.)
 Computer Science C106 Introduction to Computers and their Use (3 cr.)
 Computer Science C201 Introduction to Computer Programming (4 cr.)
 Computer Science 201 Computer for Humanities (3 cr.)
 Computer Science 206 Computer Programming (3 cr.)
 Computer Science 207 Computers in the Social Sciences (3 cr.)
 Computer Science 208 The Computer in Business (3 cr.)
 Computer Technology CPT115 Introduction to Data Processing (3 cr.) and Computer Technology CPT140 Introduction to Computer Lab I (1 cr.)
 Computer Technology CIS 106 Introduction to Computers (3 cr.)
 Computer Technology CIS 107 Personal Computers (3 cr.)

Two of the following mathematics courses: M119, M215, MA163 or MA164 must be taken as one of the two mathematics courses to meet the Bloomington or Indianapolis SPEA mathematics requirements.

- Mathematics M118 Finite Mathematics (3 cr.)
 Mathematics M125 Pre-Calculus Mathematics (3 cr.)
 Mathematics M119 Survey of Calculus I (3 cr.)
 Mathematics M215 Analytic Geometry and Calculus I (5 cr.)
 Mathematics MA123 Elementary Concepts of Mathematics I (3 cr.)
 Mathematics MA163 Integrated Calculus and Analytic Geometry I (5 cr.)
 Mathematics MA164 Integrated Calculus and Analytic Geometry 2 (5 cr.)
 Mathematics MA213 Finite Mathematics I (3 cr.)
 Mathematics MA215 Finite Mathematics for Computing (3 cr.)

- One of the following statistics courses:
 Economics E270 Introduction to Statistical Theory in Economics and Business (3 cr.)
 Mathematic/Psychology K310 Statistical Techniques (3 cr.)
 Psychology B305 Statistics (3 cr.) (I)
 Psychology P301 Introduction to Quantitative Topics in Psychology (3 cr.)
 Sociology R359 Introduction to Sociology Statistics (3 cr.) (I)
 Sociology S250-S251 Methods and Statistics I-II (3-3 cr.)
 SPEA/Mathematics/Psychology K300 Statistical Techniques (3 cr.)
 Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Affairs Core eight courses 24 credit hours

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

Areas of Concentration Minimum of six courses 18 credit hours
 The areas of concentration are designed to provide an educational experience in an area of specific interest and each requires six or more courses. One concentration must be selected, declared, and made a part of the student's academic record. A second concentration may be selected and also be made part of the student's academic record. However, all courses taken to meet the requirements of each concentration must be independent of any other concentration or degree requirements.

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

General Electives

Sufficient number of additional courses to meet the bachelor of science degree requirement of 120 credit hours.

Bloomington

Areas of Concentration

Minimum of six courses

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

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

Criminal Justice Concentration

seven courses

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

Requirements

- One of the following two introductory criminal justice courses:
 Forensic Studies P201 Survey of Criminal Justice (3 cr.)
 SPEA J101 The American Criminal Justice System (3 cr.)

One of the following five criminal law courses:

- Forensic Studies P370 Legal Aspects of Criminal Justice Systems I (3 cr.)
- Forensic Studies P371 Legal Aspects of Criminal Justice Systems II (3 cr.)
- SPEA J301 Criminal Law (3 cr.)
- SPEA J302 Criminal Law Administration (3 cr.)
- SPEA J401 Criminal Law Procedure (3 cr.)

One of the following five crime and deviance courses:

- Forensic Studies P460 Public Control of Deviant Behavior (3 cr.)
- Psychology P324 Abnormal Psychology (3 cr.)
- Sociology S320 Deviance and Control (3 cr.)
- Sociology S325 Criminology (3 cr.)
- SPEA J339 Criminal Typologies (3 cr.)

One of the following three law enforcement courses:

- Forensic Studies P301 Police in Contemporary Society (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J360 Urban Crime: Police and their Clients (3 cr.)

One of the following three corrections courses:

- Forensic Studies P303 Corrections & Criminal Justice (3 cr.)
- SPEA J331 Introduction to Corrections (3 cr.)
- SPEA J345 Trends in Corrections (3 cr.)

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

Environmental Science Concentration

thirteen courses

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

Requirements

A total of 12 credit hours selected from the courses listed below may also be used to meet the Natural Science component of the General Education requirements.

The following six courses:

- Biology L105 Introduction to Biology (5 cr.)
- Geology G111 Elements of Geology I (3 cr.)
- Physics P201 General Physics I (5 cr.)
- Political Science Y313 Environmental Policy (3 cr.)
- SPEA E326 Mathematical Methods for Environmental Science (3 cr.)
- SPEA E475 Techniques in Environmental Science (3 cr.)

One of the following four-course Chemistry sequences:

- A. Chemistry C105 Principles of Chemistry (3 cr.)
 Chemistry C125 Experimental Chemistry I (2 cr.)
 Chemistry C106 Quantitative Chemistry (3 cr.)
 Chemistry C126 Experimental Chemistry II (2 cr.)
- B. Chemistry C101 Elementary Chemistry I (3 cr.)
 Chemistry C121 Elementary Chemistry Laboratory I (2 cr.)
 Chemistry C102 Elementary Chemistry II (3 cr.)
 Chemistry C122 Elementary Chemistry Laboratory II (2 cr.)

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

- Biology B364 Summer Flowering Plants (5 cr.)
 Biology L350 Environmental Biology (3 cr.)
 Biology L473 Ecology (3 cr.)
 Biology L479 Evolution and Ecology (4 cr.)
 Biology M310 Microbiology (3 cr.)
 Biology M315 Microbiology Laboratory (2 cr.)
 Biology M420 Environmental Microbiology (3 cr.)
 Biology Z373 Entomology (3 cr.)
 Biology Z383 Entomology Laboratory (2 cr.)
 Biology Z406 Vertebrate Zoology (5 cr.)
 Biology Z468 Limnology (4 cr.)
 Chemistry C317 Analytic Chemistry (3 cr.)
 Chemistry C341 Organic Chemistry (3 cr.)
 Chemistry C342 Organic Chemistry II (3 cr.)
 Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
 Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
 Chemistry C430 Inorganic Chemistry (3 cr.)
 Chemistry C483 Biological Chemistry (3 cr.)
 Geography C304 Meteorology and Climatology (3 cr.)
 Geography G335 Photogrammetry and Remote Sensing (3 cr.)
 Geography G336 Environmental Remote Sensing (3 cr.)
 Geography G405 Hydroclimatology (3 cr.)
 Geography G407 Advanced Physical Geography (3 cr.)
 Geography G435 Cartography and Graphics (3 cr.)
 Geography G477 Advanced Climatology and Meteorology (3 cr.)

- Geology G300 Environmental and Urban Geology (3 cr.)
 Geology G316 Mineral Resources (3 cr.)
 Geology G319 Elementary Field Geology (2 cr.)
 Geology G323 Structural Geology (3 cr.)
 Geology G334 Principles of Sedimentology and Stratigraphy (3 cr.)
 Geology G400 Energy: Sources and Needs (3 cr.)
 Geology G406 Introduction to Geochemistry (3 cr.)
 Geology G415 Principles of Geomorphology (3 cr.)
 Geology G416 Economic Geology (3 cr.)
 Geology G451 Principles of Hydrogeology (3 cr.)
 Medical Sciences P215 Basic Mammalian Physiology (3 cr.)
 Medical Sciences P416 Comparative Animal Physiology (3 cr.)
 Medical Sciences P418 Laboratory in Comparative Animal Physiology (2 cr.)
 Physics P202 General Physics II (5 cr.)
 Physics P310 Environmental Physics (3 cr.)
 Physics P320 Introduction to Biophysics (3 cr.)
 SPEA E400 Topics in Environmental Studies (3 cr.)
 SPEA E410 Environmental Toxicology (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
 SPEA E440 Wetlands: Biology and Regulation (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)
 SPEA E452 Solid and Hazardous Waste Management (3 cr.)
 SPEA E460 Fisheries and Wildlife Management (3 cr.)
 SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)
 SPEA H316 Introduction to Environmental Health (3 cr.)
 SPEA H322 Epidemiology (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA H460 Environmental Health Instrumentation (3 cr.)

Management Concentration

seven courses

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

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

Requirements

All of the following five courses:

- SPEA V368 Managing Government Operations (3 cr.)
 SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Seminar in Fiscal Management or V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

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

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

- SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
 SPEA V457 Management Science in the Public Sector (3 cr.)
 SPEA V462 Public Management (3 cr.)

Policy Concentration

seven courses

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

Requirements

The following two courses:

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

Five of the following courses:

- Business G406 Business Enterprise and Public Policy (3 cr.)
 Business G409 Business Conditions and Public Policy (3 cr.)
 Business J404 Business and Society (3 cr.)
 Business T315 Urban Transportation and Public Policy (3 cr.)
 Economics E345 Social Welfare Policy (3 cr.)
 Economics E348 Economics of Human Resources (3 cr.)
 Economics E424 Welfare, Justice and Freedom (3 cr.)
 Economics E446 Public Policy in Labor Relations (3 cr.)
 Economics E463 Environment and Resource Economics (3 cr.)
 Economics E485 Social Control of Industry (3 cr.)
 Political Science Y311 National Security in a Democratic Polity (3 cr.)
 Political Science Y313 Environmental Policy (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y391 Political Decision Making (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S315 The Sociology of Work (3 cr.)
 Sociology S360 Topics in Social Policy (3 cr.)

Sociology S461 Urban Sociology (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs: (3 cr.) Approved Public Policy Topics

Public Financial Administration Concentration

seven courses

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

Requirements

All of the following five courses:
 Economics E321 Theory of Prices and Markets (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V442 Seminar in Fiscal Administration (3 cr.)
 Economics E361 Taxation (3 cr.)
 Economics E362 Public Finance: Government Spending (E361 and E362 substitute for E360 in the Economics and Political Science General Education Requirement.)
 One of the following two courses:
 Business A335 Fund Accounting (3 cr.)
 SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

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

Transportation Concentration

six courses

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

Requirements

One of the following two courses:
 Business T300 Principles of Transportation (3 cr.)
 Geography G302 Introduction to Transportation Analysis (3 cr.)
 All of the following four courses:
 Business T410 Cost, Demand and Pricing in Transportation (3 cr.)
 Economics E321 Theory of Prices and Markets (3 cr.)
 Geography G412 Urban Transportation Analysis (3 cr.)
 SPEA V422 Transportation Policy Analysis (3 cr.)

One of the following courses (two courses are recommended):
 Business T315 Urban Transportation and Public Policy (3 cr.)
 Business T405 Traffic and Physical Distribution (3 cr.)
 Business T413 Transportation Management Cases and Problems (3 cr.)
 Business T415 Mass Transit Management (3 cr.)
 Geography G402 Transportation Modeling (3 cr.)
 Geography G414 Regional Transport Systems (3 cr.)
 Geography G430 Topics in Transportation (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 Seniors will be required to attend an Urban Mass Transportation Colloquium.

Urban Management and Policy Concentration

seven courses

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

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

Requirements

The following two urban theory courses:
 Economics E321 Theory of Prices and Markets (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)

Two of the following urban services and infrastructures courses:
 Business R300 Principles of Real Estate (3 cr.)
 Business T315 Urban Transportation and Public Policy (3 cr.)
 Business T415 Mass Transit Management (3 cr.)

Geography G302 Transportation Geography (3 cr.)
 Geography G402 Transportation Analysis (3 cr.)

Geography G412 Urban Transportation (3 cr.)
 Geography G415 Advanced Urban Geography (3 cr.)
 Geography G417 Land Use Analysis (3 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Social Work S352 Social Welfare Delivery Systems (3 cr.)
 SPEA V422 Transportation Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (Approved Topics) (3 cr.)

Two of the following urban administration courses:

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

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

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

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

Indianapolis

Areas of Concentration

Minimum of six courses

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Indianapolis campus include
 Criminal Justice
 Environmental Science
 Management
 Policy
 Public Financial Administration
 Urban Management and Policy

Criminal Justice Concentration

seven courses

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

Requirements

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

One of the following three criminal law courses:

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

One of the following five crime or deviance courses:

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

One of the following two law enforcement courses:

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

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

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

Environmental Science Concentration

ten to eleven courses

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

Requirements

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

The following six courses:

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

One of the following two-course chemistry sequences:

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

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

- Biology K341 Principles of Ecology (5 cr.)
- Biology K255 Invertebrate Zoology (4 cr.)
- Biology K355 Entomology (4 cr.)
- Biology N217 Human Physiology (5 cr.)
- Biology N251 Microbiology (3 cr.)
- Biology N261 Human Anatomy (5 cr.)
- Chemistry C310 Analytical Chemistry (3 cr.)
- Chemistry C341 Organic Chemistry (3 cr.)
- Chemistry C342 Organic Chemistry II (3 cr.)
- Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
- Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
- Chemistry C430 Inorganic Chemistry (3 cr.)
- Chemistry C483 Biological Chemistry (3 cr.)
- Geography G303 Weather, Climate and Man (3 cr.)
- Geography G307 Biogeography (3 cr.)
- Geography G315 Environmental Conservation (3 cr.)
- Geography G335 Photogrammetry and Remote Sensing (3 cr.)
- Geography G435 Cartography and Graphics (3 cr.)
- Geology G206 Physical Geology Lab (1 cr.)
- Geology G300 Environmental and Urban Geology (3 cr.)
- Geology G303 Geologic Mapping and Air Photo Interpretation (4 cr.)
- Geology G323 Structural Geology (3 cr.)
- Geology G334 Principles of Sedimentology and Stratigraphy (3 cr.)
- Geology G406 Introduction to Geochemistry (3 cr.)
- Geology G415 Principles of Geomorphology (3 cr.)
- Geology G416 Economic Geology (3 cr.)
- Geology G451 Principles of Hydrogeology (3 cr.)
- Physics 219 General Physics (4 cr.)
- SPEA E410 Environmental Toxicology (3 cr.)
- SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA E451 Air Pollution and Control (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- SPEA H316 Introduction to Environmental Health (3 cr.)
- SPEA H322 Epidemiology (3 cr.)
- SPEA H460 Environmental Health Instrumentation (3 cr.)

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

Management Concentration

seven courses

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

Requirements

All of the following five courses:

- SPEA V368 Managing Government Operations (3 cr.)
- SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V442 Seminar in Fiscal Administration (3 cr.) or V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
- SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
- SPEA V473 Management Applications: Seminar (3 cr.)

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

- Business T405 Traffic and Physical Distribution Management (3 cr.)
- Business U300 Principles of Public Utilities (3 cr.)
- Business Z440 Personnel - Human Resource Management (3 cr.)

- Economics E340 Introduction to Labor Economics (3 cr.)
- Economics E385 Economics of Industry (3 cr.)
- Economics E485 Social Control of Industry (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V435 Employment Discrimination Law (3 cr.)
- SPEA V442 Seminar in Fiscal Administration (3 cr.)
- SPEA V444 Public Administrative Organization (3 cr.)
- SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
- SPEA V449 Applied Policy Analysis (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved topic)
- SPEA V457 Management Science in the Public Sector (3 cr.)
- SPEA V461 Computer Applications in Public Affairs (3 cr.)
- SPEA V462 Public Management (3 cr.)

Policy Concentration

seven courses

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

Requirements

The following two courses:

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

Five of the following courses:

- Economics E485 Social Control of Industry (3 cr.)
- Political Science Y311 National Security in a Democratic Polity (3 cr.)
- Political Science Y360 U.S. Foreign Policy (3 cr.)
- Political Science Y394 Public Policy Analysis (3 cr.)
- Sociology R317 Sociology of Work (3 cr.)
- Sociology R329 Urban Sociology (3 cr.)
- Sociology R330 Community (3 cr.)
- Sociology R495 Topics in Sociology (3 cr.)

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

Approved Public Policy Topics

Public Financial Administration Concentration

six courses

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

Requirements

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

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

One of the following two courses:
 Business A335 Fund Accounting (3 cr.)
 SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

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

Urban Management and Policy Concentration

seven courses

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

Requirements

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

One of the following nine courses:
 Anthropology E380 Urban Anthropology (3 cr.)
 Architecture 210 History of Architecture (3 cr.)
 Economics E323 Urban Economics (3 cr.)
 Geography G318 Geography of Cities and Metropolitan Areas (3 cr.)
 Geography G319 The Internal Structure of the City (3 cr.)
 History A347 American Urban History (3 cr.)
 Political Science Y308 Urban Politics (3 cr.)
 Sociology R329 Urban Sociology (3 cr.)
 Sociology R330 Community (3 cr.)

Two of the following urban services and infrastructure courses:
 Architecture 165 Building Systems and Materials (3 cr.)
 Business L408 Real Estate Law (3 cr.)
 Business R300 Real Estate (3 cr.)
 Business R440 Real Estate Appraisal (3 cr.)
 Business T300 Principles of Transportation (3 cr.)
 Social Work S352 Social Work Delivery Systems (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)
 SPEA E452 Solid and Hazardous Waste Management (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J101 American Criminal Justice System (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)

SPEA J333 Introduction to Corrections (3 cr.)
 SPEA V375 Emergency Services Administration (3 cr.)

Two of the following three urban administration courses:
 SPEA V340 Urban Administration (3 cr.)
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)

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

Fort Wayne

Areas of Concentration

Minimum of six courses

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Fort Wayne campus include
 Criminal Justice
 Management
 Policy
 Urban Management and Policy

Criminal Justice Concentration

seven courses

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

Requirements

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

One of the following three criminal law courses:
 SPEA J301 Criminal Law (3 cr.)
 SPEA J302 Criminal Law Administration (3 cr.)
 SPEA J401 Criminal Law and Procedure (3 cr.)

One of the following crime or deviance courses:
 Psychology PSY350 Abnormal Psychology (3 cr.)
 Sociology S320 Deviant Behavior and Social Control (3 cr.)
 Sociology S325 Criminology (3 cr.)
 Sociology S328 Juvenile Delinquency (3 cr.)
 SPEA J339 Criminal Typologies (3 cr.)

One of the following two law enforcement courses:
 SPEA J331 Introduction to American Law Enforcement (3 cr.)
 SPEA J360 Urban Crime: Police and their Clients (3 cr.)

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

Two additional criminal justice courses at the 300-400 level

Management Concentration

seven courses

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

Requirements

All of the following five courses:
 SPEA V368 Managing Government Operations (3 cr.)
 SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Seminar in Fiscal Management (3 cr.) or V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V468 Research Methods in Applied Social Sciences (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

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

- Business P421 Operations Planning and Control (3 cr.)
- Business P429 Operations Systems Design and Productivity (3 cr.)
- Business Z440 Personnel - Human Resource Management (3 cr.)
- Economics E340 Introduction to Labor Economics (3 cr.)
- Economics E385 Economics of Industry (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V435 Employment Discrimination Law (3 cr.)
- SPEA V442 Seminar in Fiscal Management (3 cr.)
- SPEA V444 Public Administrative Organization (3 cr.)
- SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
- SPEA V449 Applied Policy Analysis (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
- SPEA V457 Management Science in the Public Sector (3 cr.)
- SPEA V461 Computer Applications in the Public Sector (3 cr.)
- SPEA V462 Public Management (3 cr.)

Policy Concentration

seven courses

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

Requirements

The following two courses:

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

Five of the following courses:

- Political Science Y311 National Security in a Democratic Polity (3 cr.)
- Political Science Y313 Environmental Policy (3 cr.)
- Political Science Y360 U.S. Foreign Policy (3 cr.)

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

Urban Management and Policy Concentration

seven courses

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

Requirements

The following course:

- SPEA V421 Metropolitan Development (3 cr.)
- One of the following five courses:
- Anthropology E380 Urban Anthropology (3 cr.)
 - Economics E323 Urban Economics (3 cr.)
 - Geology G300 Environmental and Urban Geology (3 cr.)
 - Sociology S309 The Community (3 cr.)
 - Sociology S403 Industry, Labor and Community (3 cr.)

Two of the following urban services and infrastructure courses:

- Architectural Technology ARET354 Principles of Land Use (3 cr.)
- Architectural Technology ARET355 Techniques of Land Utilization (3 cr.)
- SPEA E431 Water Supply and Wastewater Treatment (3 cr.)

- SPEA E451 Air Pollution and Control (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- SPEA H416 Environmental Health Policy (3 cr.)
- SPEA J101 American Criminal Justice System (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J333 Introduction to Corrections (3 cr.)
- SPEA V375 Emergency Services Administration (3 cr.)

Two of the following three urban administration courses:

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

One of the following two urban applications courses:

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

Northwest

Areas of Concentration

Minimum of six courses

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the Northwest campus include Criminal Justice Management Policy, Public Financial Management, Urban Management and Policy.

Criminal Justice Concentration

seven courses

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

Requirements

The following introductory criminal justice course:

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

One of the following three criminal law courses:

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

One of the following four crime or deviance courses:

- Psychology P324 Abnormal Psychology (3 cr.)
- Sociology S320 Deviant Behavior and Social Control (3 cr.)
- Sociology S325 Criminology (3 cr.)
- Sociology S328 Juvenile Delinquency (3 cr.)
- SPEA J339 Criminal Typologies (3 cr.)

One of the following two law enforcement courses:

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

One of the following two corrections courses:

- SPEA J331 Introduction to Corrections (3 cr.)
- SPEA J345 Trends in Corrections (3 cr.)

Two additional criminal justice courses at the 300-400 level

Management Concentration

seven courses

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

Requirements

All of the following five courses:

- SPEA V368 Managing Government Operations (3 cr.)

SPEA V432 Labor Relations in the Public Sector or V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V442 Seminar in Fiscal Management (3 cr.) or V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V468 Research Methods in Applied Social Science (3 cr.)
 SPEA V473 Management Applications: Seminar (3 cr.)

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

Business M301 Introduction to Marketing Management (3 cr.)
 Business P421 Analysis of Industrial Operations (3 cr.)
 Business Z301 Organizational Behavior and Leadership (3 cr.)
 Business Z440 Personnel - Human Resource Management (3 cr.)
 Economics E340 Introduction to Labor Economics (3 cr.)
 Economics E485 Social Control of Industry (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA V340 Urban Government Administration (3 cr.)
 SPEA V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V375 Emergency Services Administration (3 cr.)
 SPEA V377 Legal Processes and Contemporary Issues in America (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 SPEA V442 Seminar in Fiscal Management (3 cr.)
 SPEA V444 Public Administration Organization (3 cr.)
 SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
 SPEA V457 Management Science in the Public Sector (3 cr.)
 SPEA V461 Computer Application in Public Affairs (3 cr.)
 SPEA V462 Public Management (3 cr.)

Policy Concentration

seven courses

The SPEA policy concentration provides a broad exposure to policy analysis and processes, as well as an opportunity for focused examination of substantive policy areas. Students completing this concentration

will gain an in-depth understanding of the workings of the governmental system and its outputs that will prepare them for policy support staff positions in public or private organizations. This concentration also provides preparation for graduate work in law, policy, or management.

Requirements

The following two courses:

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

Five of the following courses:

Political Science Y313 Environmental Policy (3 cr.)
 Political Science Y318 The American Presidency (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y366 Current Foreign Policy Problems (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S360 Topics in Social Policy (3 cr.)
 Sociology S461 Urban Sociology (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Processes and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topics)

Public Financial Administration Concentration

six courses

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

Requirements

All of the following four courses:

Economics E321 Theory of Prices and Markets (3 cr.)
 Economics E406 Advanced Undergraduate Seminar (3 cr.) or SPEA V450 Contemporary Issues in Public Affairs - Approved Topic (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)
 SPEA V442 Seminar in Fiscal Administration (3 cr.)

One of the following two courses:

Business A335 Fund Accounting (3 cr.)
 SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

One of the following two courses:

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

Urban Management and Policy Concentration

seven courses

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

Requirements

The following two urban theory courses:

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

One of the following five courses:

Economics E323 Urban Economics (3 cr.)
 History A347 American Urban History (3 cr.)
 Political Science Y308 Urban Politics (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S403 Industry, Labor, and Community (3 cr.)

Two of the following urban service and infrastructure courses:

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

Two of the following three urban administration courses:

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

One of the following two urban applications courses:

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

South Bend

Areas of Concentration

Minimum of six courses

Concentrations are designed to provide a focused educational experience in a specific area of interest. Concentrations offered on the South Bend campus include Criminal Justice, Environmental Science Management, Policy, Public Financial Administration, Urban Management and Policy.

Criminal Justice Concentration

seven courses

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

Requirements

The following introductory criminal justice course:

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

One of the following three criminal law courses:

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

One of the following five crime or deviance courses:
 Psychology P324 Abnormal Psychology (3 cr.)
 Sociology S320 Deviant Behavior and Social Control (3 cr.)
 Sociology S325 Criminology (3 cr.)
 Sociology S328 Juvenile Delinquency (3 cr.)
 SPEA J339 Criminal Typologies (3 cr.)

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

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

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

Environmental Science Concentration

thirteen courses

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

Requirements

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

The following six courses:

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

The following four-course chemistry sequence:

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

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

Biology B364 Summer Flowering Plants (5 cr.)
 Biology L350 Environmental Biology (3 cr.)
 Biology L473 Ecology (3 cr.)
 Biology M310 Microbiology (3 cr.)
 Biology M315 Microbiology Laboratory (2 cr.)
 Biology Z406 Vertebrate Zoology (5 cr.)
 Chemistry C317 Analytic Chemistry (3 cr.)
 Chemistry C341 Organic Chemistry (3 cr.)
 Chemistry C342 Organic Chemistry II (3 cr.)
 Chemistry C343 Organic Chemistry I Laboratory (2 cr.)
 Chemistry C344 Organic Chemistry II Laboratory (2 cr.)
 Chemistry C430 Inorganic Chemistry (3 cr.)
 Chemistry C483 Biological Chemistry (3 cr.)
 Physics P202 General Physics II (5 cr.)

Management Concentration

seven courses

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

Requirements

All of the following five courses:

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

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

Business M301 Introduction to Marketing Management (3 cr.)
 Business P429 Operations Systems Design and Productivity (3 cr.)
 Business Z301 Organizational Behavior and Leadership (3 cr.)
 Business Z440 Personnel - Human Resource Management (3 cr.)
 Economics E340 Introduction to Labor Economics (3 cr.)
 Economics E485 Social Control of Industry (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA V340 Urban Government Administration (3 cr.)
 SPEA V373 Personnel Management in the Public Sector (3 cr.)
 SPEA V432 Labor Relations in the Public Sector (3 cr.)
 SPEA V444 Public Administration Organization (3 cr.)
 SPEA V449 Applied Policy Analysis (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topic)
 SPEA V461 Computer Application in Public Affairs (3 cr.)
 SPEA V462 Public Management (3 cr.)

Policy Concentration

seven courses

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

Requirements

The following two courses:

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

Five of the following courses:

Business G406 Business Enterprise and Public Policy (3 cr.)
 Business G409 Business Conditions and Public Policy (3 cr.)
 Business J404 Business and Society (3 cr.)
 Economics E446 Public Policy in Labor Relations (3 cr.)

Economics E485 Social Control of Industry (3 cr.)
 Political Science Y311 National Security in a Democratic Polity (3 cr.)
 Political Science Y313 Environmental Policy (3 cr.)
 Political Science Y360 U.S. Foreign Policy (3 cr.)
 Political Science Y394 Public Policy Analysis (3 cr.)
 Sociology S309 The Community (3 cr.)
 Sociology S315 The Sociology of Work (3 cr.)
 Sociology S360 Topics in Social Policy (3 cr.)
 SPEA H416 Environmental Health Policy (3 cr.)
 SPEA H320 Introduction to Health Administration (3 cr.)
 SPEA J321 Introduction to American Law Enforcement (3 cr.)
 SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)
 SPEA V421 Metropolitan Development (3 cr.)
 SPEA V445 Policy Making in State Government (3 cr.)
 SPEA V447 Federal Budget Policy (3 cr.)
 SPEA V450 Contemporary Issues in Public Affairs: (3 cr.) Approved Topics

Public Financial Administration Concentration

six courses

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

Requirements

All of the following four courses:

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

One of the following two courses:

Business A335 Fund Accounting (3 cr.)
 SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)

One of the following two courses:

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

Urban Management and Policy Concentration

seven courses

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

Requirements

The following two urban theory courses:
The following course

SPEA V421 Metropolitan Development (3 cr.) and

One of the following three courses:

History A347 American Urban History (3 cr.)

Political Science Y308 Urban Politics (3 cr.)

Sociology S306 Urban Society (3 cr.)

Two of the following urban services and infrastructure courses:

Business R300 Real Estate (3 cr.)

Business T300 Principles of Transportation (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA J101 American Criminal Justice System (3 cr.)

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

SPEA J331 Introduction to Corrections (3 cr.)

Two of the following urban administration courses:

SPEA V340 Urban Administration (3 cr.)

SPEA V368 Managing Government Operations (3 cr.)

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

One of the following urban applications courses:

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

SPEA V471 Urban Management Systems (3 cr.)

Environmental Studies Major

Bloomington

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

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

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

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

Requirements

Option I - Biological or physical sciences majors seventeen to eighteen courses

All of the following six courses:

Chemistry C105 Principles of Chemistry (3 cr.) and

Chemistry C125 Experimental Chemistry (2 cr.)

Chemistry C106 Quantitative Chemistry (3 cr.) and

Chemistry C126 Experimental Chemistry (2 cr.)

Political Science Y313 Environmental Policy (3 cr.)

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

One of the following three courses:

Physics P201 General Physics I (5 cr.)

Physics P221 Physics I (5 cr.)

Physics E250 The Environment and Physics (3 cr.)

One course in Calculus

One of the following statistics courses:

Mathematics/Psychology/SPEA K300

Statistical Techniques (3 cr.)

Mathematics/Psychology K310 Statistical Techniques (3 cr.)

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

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

One of the following two courses:

Biology L473 Ecology (3 cr.)

Biology S309 Ecological Biology (5 cr.)

One of the following two courses:

Chemistry C341 Organic Chemistry (3 cr.)

Physics P310 Environmental Physics (3 cr.)

One of the following two options:

Economics E103 Introduction to

Microeconomics (3 cr.) and

Economics E104 Introduction to

Macroeconomics (3 cr.) or

Economics E300 Principles of Economics (5 cr.)

One of the following three courses:

Geography G304 Climatology (3 cr.)

Geography G404 Elements of Soil Science (3 cr.)

Geology G300 Environmental and Urban Geology (3 cr.)

One of the following two courses:

Geography G315 Environmental

Conservation (3 cr.)

Geology G316 Mineral Resources (3 cr.)

One of the following two courses:

Geology Z468 Limnology (3 cr.)

Biology M420 Environmental Microbiology (3 cr.)

Two additional courses from the elective group of Option II.

Option II-Social and behavioral sciences majors eighteen to nineteen courses

All of the following five courses:

Chemistry or Physics - one course

Political Science Y313 Environmental Policy (3 cr.)

SPEA E300 Introduction to Environmental Science (3 cr.) or

SPEA E200 Environment and People (3 cr.)
SPEA E400 Topics in Environmental Studies (3 cr.)

Biology L350 Environmental Biology (3 cr.) or other approved biology course

One of the following statistics courses:

Mathematics/Psychology/SPEA K300

Statistical Techniques (3 cr.)

Mathematics/Psychology K310 Statistical Techniques (3 cr.)

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

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

One of the following economics options:

Economics E103 Introduction to

Microeconomics (3 cr.) and

Economics E104 Introduction to

Macroeconomics (3 cr.) or

Economics E300 Principles of Economics (5 cr.)

One of the following sets of courses:

Biology-also satisfies above biology course requirement

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

One of the following two courses:

Biology Z468 Limnology (3 cr.)

Biology M420 Environmental Microbiology (3 cr.)

Chemistry--all of the following courses (also satisfies chemistry/physics requirement):

Chemistry C105 Principles of Chemistry (3 cr.) and

Chemistry C125 Experimental Chemistry (2 cr.)

Chemistry C106 Quantitative Chemistry (3 cr.) and

Chemistry C126 Experimental Chemistry (2 cr.)

Chemistry C341 Organic Chemistry (3 cr.)

Geography - the following two courses:

Geography G107 Physical Geography (3 cr.)

Geography G304 Climatology and

Meteorology (3 cr.) and

One of the following three courses:

Geology G405 Hydroclimatology (3 cr.)

Geography G407 Advanced Physical

Geography (3 cr.)

Geography G404 Elements of Soil Science (3 cr.)

Geology - One introductory geology course and

Two of the following four courses:

Geology G300 Environmental and Urban

Geology (3 cr.)

Geology G316 Mineral Resources (3 cr.)
 Geology G415 Geomorphology (3 cr.)
 Geology G451 Principles of Hydrogeology (3 cr.)

Physics—satisfies chemistry/physics requirement

Physics P310 Environmental Physics (3 cr.)
and

One of the following *two* courses:

Physics P201 General Physics I (5 cr.)

Physics P221 Physics I (5 cr.) *and*

One of the following *two* courses:

Mathematics M119 Calculus (3 cr.)

Mathematics M215 Analytic Geometry & Calculus I (5 cr.)

Four of the following elective courses:

Anthropology E427 Cultural Ecology (3 cr.)

Business L409 Law and the Environment (3 cr.)

Economics E360 Public Finance: Survey (3 cr.)

Economics E485 Social Control of Industry (3 cr.)

Geography G213 Introduction to Economic Geography (3 cr.)

Geography G315 Environmental Conservation (3 cr.)

Geography G320 Population Geography (3 cr.)

Geography G417 Land Use Analysis (3 cr.)

Political Science Y204 Political Theory and Policy Analysis (3 cr.)

Recreation R372 Interpretive Resources and Techniques (3 cr.)

Sociology S305 Population and Human Ecology (3 cr.)

SPEA E400 Topics in Environmental Studies

SPEA H316 Introduction to Environmental Health (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA V365 Urban Development and Planning (3 cr.)

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

Degree Requirements

120 credit hours

General Education—12 courses

Communications—three courses

Both of the following writing courses:

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

English W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

Communications C110 Fundamentals of Speech Communications (3 cr.)

Communications C180 (S122) Interpersonal Communications (2-3 cr.)

Communications C223 (S223) Business and Professional Speaking (3 cr.)

Communications C227 (S228) Argumentation and Debate (3 cr.)

Speech S121 Public Speaking (2 cr.)

Speech S229 Discussion and Group Methods (3 cr.)

Social Sciences—four courses

All of the following *three* courses:

Economics E201 (E103) Introduction to Microeconomics (3 cr.)

Economics E202 (E104) Introduction to Macroeconomics (3 cr.)

Political Science Y103 Introduction to American Politics (3 cr.)

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

Science—two courses

One of the following *three* courses:

Biology N107 Introduction to Zoology (4 cr.)

Biology N104 (L104) Introduction to Biology Lectures (3 cr.)

Biology N105 (L105) Introduction to Biology (3 cr.)

One of the following *two* courses:

Biology N217 Human Physiology (5 cr.)

Biology P215 Basic Mammalian Physiology (5 cr.)

Quantitative Methods—three courses

One of the following *five* computer courses:

Computer Science C201 Introduction to

Computer Programming (3 cr.)

Computer Science 206 Computer

Programming (3 cr.)

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

Computer Science 208 The Computer in Business (3 cr.) (IUPUI)

Business K201 The Computer in Business (3 cr.)

One of the following *two* mathematics courses:

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

Mathematics M215 Analytic Geometry and Calculus (5 cr.)

One of the following statistics courses:

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

Mathematics/Psychology K310 Statistical Techniques (3 cr.)

Psychology B305 Statistics (3 cr.)

Psychology P301 Introduction to Quantitative Topics in Psychology (3 cr.)

Sociology R359 Introduction to Sociological Statistics (3 cr.)

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

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

Statistics 301 Elementary Statistical Methods I (3 cr.)

Public Health Core—eight courses

All of the following *eight* courses:

SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA H316 Introduction to Environmental Health (3 cr.)

SPEA H320 Introduction to Health Administration (3 cr.)

SPEA H322 Epidemiology (3 cr.)

SPEA H342 Community Health Education (3 cr.) *or*

HPER H465 Community Health Education (3 cr.)

SPEA V366 Managing Human Resources (3 cr.)

SPEA V372 Financial Management and Budgeting (3 cr.)

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

Areas of Concentration

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

Environmental Health Concentration 13-16 courses

Requirements

Seven to ten of the following courses:

One of the following *two* options:

Chemistry C105 Principles of Chemistry (5 cr.) *or*

Chemistry C105 Principles of Chemistry (3 cr.) *and*

Chemistry C125 Experimental Chemistry I (2 cr.)

One of the following *two* options:

Chemistry C106 Quantitative Chemistry (5 cr.) *or*

Chemistry C106 Quantitative Chemistry (3 cr.) *and*

Chemistry C126 Experimental Chemistry II (2 cr.)

One of the following *three* options:

Biology N251 Microbiology (3 cr.) *or*

Biology M310 Microbiology (3 cr.) *and*

Biology M315 Microbiology Laboratory (2 cr.)

or Biology M200 Micro Organism in Nature and Disease (3 cr.) *and*

Biology M215 Micro Organism Laboratory (1 cr.)

One of the following *four* courses:

Physics P200 Our Physical Environment (3 cr.)

Physics P201 General Physics I (5 cr.)

Physics P218 General Physics (4 cr.)

Physics E250 The Environment and Physics (3 cr.)

All of the following *three* courses:

SPEA H416 Environmental Health Policy (3 cr.)

SPEA H465 Practicum in Public Health (3 cr.)

SPEA H466 Field Experience in Public Health (3 cr.)

Concentration options—six courses:

Six of the following courses:

SPEA E400 Topics in Environmental Health Policy (3 cr.); approved topics

SPEA E410 Environmental Toxicology (3 cr.)

SPEA E431 Water Supply & Wastewater Treatment I (3 cr.)

SPEA E451 Air Pollution & Control (3 cr.)

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

SPEA H423 Disease Vector Control (3 cr.) *or* Biology K443 Medical Entomology (3 cr.)

SPEA H428 Food Science & Sanitation (3 cr.)

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

SPEA H460 Environmental Health Instrumentation (3 cr.)

SPEA J376 Principles of Public Safety (3 cr.)

Bachelor of Science in Public Health

Indianapolis

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

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

- Biology M420 Environmental Microbiology (3 cr.)
- Biology M440 Medical Microbiology Lab (2 cr.)
- Biology M442 Medical Microbiology Lab (2 cr.)
- Chemistry C341 Organic Chemistry I (3 cr.)
- Chemistry C343 Organic Chemistry I Lab (2 cr.)
- Chemistry C342 Organic Chemistry II (3 cr.)
- Chemistry C344 Organic Chemistry II Lab (2 cr.)
- Chemistry C483 Biological Chemistry (3 cr.)
- Physics P201 General Physics I (5 cr.)
- Physics P202 General Physics II (5 cr.)
- Physics P310 Environmental Physics (3 cr.)
- Physics P320 Introduction to Biophysics (3 cr.)
- Physics P219 General Physics (4 cr.)

Health Administration Concentration nine courses

Requirements

All of the following four courses:

- SPEA H441 Legal Aspects of Health Care Administration (3 cr.) or approved option
- SPEA H465 Practicum in Public Health (3 cr.)
- SPEA H466 Field Experience in Public Health (3 cr.)
- SPEA V446 Introduction to Governmental Accounting and Financial Reporting - or other approved options (3 cr.)

Concentration Options five courses:

Five of the following courses:

- Allied Health W374 Medical Care I (3 cr.)
- Allied Health W471 Medical Care II (3 cr.)
- Anthropology E375 Mental Illness in Cross Cultural Perspective (3 cr.)
- Anthropology E400 Undergraduate Seminar (3 cr.) Approved Topic
- Business M300 Introduction to Marketing (3 cr.)
- Business Z300 Organizational Behavior and Leadership (3 cr.)
- Economics E387 Economics of Health Care (3 cr.)
- Sociology R381 Social Factors in Health and Illness (3 cr.)
- Sociology R382 Social Organization of Health Care (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Nursing Home Administration (3 cr.)

SPEA H416 Environmental Health Policy (3 cr.)

SPEA H474 Issues in Public Health (3 cr.)

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

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

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

Bachelor of Science in Criminal Justice and Bachelor of Science in Metropolitan Studies

Indianapolis

(Students completing the requirements for these degrees should consult with the associate dean, SPEA-IUPUI.)

Area Certificate Programs

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

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

Bloomington

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

Indianapolis

Environmental Studies Certificate
Public Affairs Certificate
Public Health Certificate

Fort Wayne
Public Health Certificate

Northwest (Gary)
Public Affairs Certificate
Public Health Certificate

South Bend
Environmental Studies Certificate
Public Health Certificate
Urban Studies Certificate

Area Certificate in Environmental Studies

Bloomington

The Certificate in Environmental Studies is available with a few exceptions to undergraduate students in all schools of the University. The program for the certificate is designed to introduce students to select aspects of current thinking and research on the nature, causes, and solutions of environmental problems. The program involves cooperation and contributions of faculty from a variety of disciplines and schools. Students desiring greater depth should consider an environmental studies major (College of Arts and Sciences) or an environmental science concentration (School of Public and Environmental Affairs).

Eligibility and Application

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

General Requirements

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

Certificate Requirements eight to nine courses

One course in chemistry or physics.

One of the following three courses:

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

The following course:

- Biology L350 Environmental Biology (3 cr.) or other approved courses

Economics—one of the following two options:

- Economics E103 Introduction to Microeconomics (3 cr.) and
- Economics E104 Introduction to Macroeconomics (3 cr.) or
- Economics E300 Principles of Economics (5 cr.)

Both of the following courses:

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

Two additional courses selected from the following:

- Anthropology E427 Cultural Ecology (3 cr.)
- Biology M420 Environmental Microbiology (3 cr.)
- Biology Z468 Limnology (4 cr.)
- Biology L473 Ecology (3 cr.)
- Chemistry C101 Elementary Chemistry I (3 cr.) or
- Chemistry C105 Principles of Chemistry (3 cr.)
- Chemistry C311 Analytical Chemistry (3 cr.)
- Chemistry C341 Organic Chemistry (3 cr.)
- Economics E360 Public Finance (3 cr.)
- Economics E485 Social Control of Industry (3 cr.)
- Geography G235 Maps and Aerial Photographs (3 cr.)
- Geography G304 Climatology and Meteorology (3 cr.)
- Geography G315 Environmental Conservation (3 cr.)
- Geography G320 Population Geography (3 cr.)
- Geography G350 Field Methods in Physical Geography (3 cr.)
- Geography G404 Elements of Soil Science (3 cr.)
- Geography G405 Hydroclimatology (3 cr.)
- Geography G407 Advanced Physical Geography (3 cr.)
- Geography G417 Land Use Analysis (3 cr.)
- Geology G300 Environmental and Urban Geology (3 cr.)
- Geology G316 Mineral Resources (3 cr.)

Geology G406 Introduction to Geochemistry (3 cr.)
 Geology G415 Principles of Geomorphology (3 cr.)
 Geology G451 Principles of Hydrogeology (3 cr.)
 Mathematics/Psychology/SPEA K300 Statistical Techniques (3 cr.) or
 Mathematics/Psychology K310 Statistical Techniques (3 cr.)
 Physics P201 General Physics I (5 cr.)
 Physics P120 Energy and Technology (3 cr.)
 Physics E250 The Environment and Physics (3 cr.)
 Physics P310 Environmental Physics (3 cr.)
 Recreation R372 Interpretive Resources and Techniques (3 cr.)
 Sociology S305 Population and Human Ecology (3 cr.)
 SPEA E200 Environment and People (3 cr.) or
 SPEA E300 Introduction to Environmental Sciences (3 cr.)
 SPEA E400 Topics in Environmental Studies (3 cr.)
 SPEA H316 Introduction to Environmental Health (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)

Area Certificate in Environmental Studies

Indianapolis

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

Eligibility and Application

- Students enrolled in any baccalaureate program of Indiana University and other accredited colleges or universities who are in good standing are eligible.
- Students admitted to the Bachelor of Science in Public Health Program or with an Environmental Concentration in the Bachelor of Science in Public Affairs of the School of Public and Environmental Affairs are not eligible to receive the Environmental Certificate.
- Students must declare their intent to earn this certificate prior to completing fifteen (15) semester hours of credit toward the certificate. Applications for admission may be obtained through the office of the SPEA Recorder, Business/SPEA Building, Room 3027B.

- Upon certification that the student has been awarded a bachelor's degree and completion of required certificate courses with a grade-point average of 2.0 (C) or higher in all course work credited toward the certificate, the student will be awarded the certificate.

General Requirements

- A minimum of 32 credit hours.
- A minimum cumulative grade-point average of 2.0.
- A maximum of six (6) hours of appropriate credit from another institution may be applied toward this certificate.
- Credit work for this certificate may be taken at any campus of the Indiana University system.

Certificate Requirements 10 courses

All of the following five courses:

- Chemistry C105 Principles of Chemistry (5 cr.)
 Biology K341 Principles of Ecology (3 cr.)
 Economics E201 Introduction to Microeconomics (3 cr.)
 Economics E202 Introduction to Macroeconomics (3 cr.)
 SPEA V372 Financial Management and Budgeting (3 cr.)

One of the following three courses:

- SPEA E200 Environment and People (3 cr.) or
 SPEA E262 Environment: Problems and Prospects (3 cr.) or
 SPEA E300 Introduction to Environmental Science (3 cr.)

One of the following three courses:

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

Three of the following courses:

- Biology K442 Population Biology (3 cr.)
 Chemistry C207 Biochemistry (4 cr.)
 Chemistry C310 Analytical Chemistry (3 cr.)
 Chemistry C341 Organic Chemistry I (3 cr.)
 Economics E485 Economics of Industry (3 cr.)
 Geography G303 Weather, Climate, and Man (3 cr.)
 Geography G304 Climatology and Meteorology (3 cr.)
 Geography G315 Environmental Conservation (3 cr.)
 Geology G300 Environmental and Urban Geology (3 cr.)
 Geology G303 Geology: Maps and Air Photos (4 cr.)
 Geology G406 Introduction to Geochemistry (3 cr.)

Geology G415 Principles of Geomorphology (3 cr.)
 Geology G451 Principles of Hydrogeology (3 cr.)
 Physics P200 Our Physical Environment (3 cr.)
 Physics P218 General Physics (4 cr.)
 Sociology R465 Population and Human Ecology (3 cr.)
 SPEA E431 Water Supply and Wastewater Treatment I (3 cr.)
 SPEA E451 Air Pollution and Control (3 cr.)
 SPEA E452 Solid Waste Management & Hazardous Waste (3 cr.)
 SPEA H316 Introduction to Environmental Health (3 cr.)
 SPEA K300 Statistical Techniques (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)
 Statistics 301 Elementary Statistical Methods I (3 cr.)

Area Certificate in Environmental Studies

South Bend

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

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

Eligibility and Application

- Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
- Students admitted to the Bachelor of Science in Public Affairs Program of the School of Public and Environmental Affairs with an Environmental Concentration are not eligible to receive the Environmental Studies Certificate.
- Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder.

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

General Requirements

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

Certificate Requirements seven courses

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

Track for science majors

All of the following seven courses:

- Biology L473 Ecology (3 cr.)
 Chemistry C303 Environmental Chemistry (3 cr.)
 Geography G315 Environmental Conservation (3 cr.)
 Sociology S305 Population and Human Ecology (3 cr.)
 SPEA E262 Environment: Problems and Prospects (3 cr.) or
 SPEA E300 Introduction to Environmental Science (3 cr.)
 SPEA E400 Topics in Environmental Studies approved topic (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)

Track for nonscience majors

All of the following seven courses:

- Biology L350 Environmental Biology (3 cr.)
 Geography G315 Environmental Conservation (3 cr.)
 Physics E250 The Environment and Physics (3 cr.)
 Sociology S305 Population and Human Ecology (3 cr.)
 SPEA E262 Environment: Problems and Prospects (3 cr.) or
 SPEA E300 Introduction to Environmental Science (3 cr.)
 SPEA E400 Topics in Environmental Studies: Approved Topics (3 cr.)
 SPEA V365 Urban Development and Planning (3 cr.)

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

Area Certificate in Public Affairs

Bloomington - Indianapolis - Northwest (Gary)

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

Eligibility and Application

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

Certificate Requirements nine courses

General Requirements

1. A minimum of 27 credit hours of which at least 15, but not more than 21 credit hours, must have been in SPEA courses.
2. A grade-point average of 2.0 (C) or higher for all course work credited toward the certificate.
3. A maximum of six (6) credit hours of appropriate credit from another institution other than Indiana University may be applied toward this certificate.
4. Course work for this certificate may be taken at any campus of the Indiana University system.

Specific Requirements nine courses

Both of the following courses:

- SPEA V170 Introduction to Public Affairs (3 cr.)
SPEA V264 Urban Structure and Policy (3 cr.)

One of the following courses:

- SPEA E200 Environment and People (3 cr.)
SPEA E262 Environment: Problems and Prospects (3 cr.)
SPEA E300 Introduction to Environmental Science (3 cr.)

One course from two of the following groups:

- Organizational Behavior**
SPEA V270 Administrative Techniques (3 cr.)
Business Z300 Organizational Behavior and Leadership (3 cr.)
Business Z301 Organizational Behavior and Leadership (3 cr.)
Business Z302 Managing and Behavior in Organizations (3 cr.)
Forensic Studies P310 Introduction to Organization Theory (3 cr.)
Political Science Y390 Micropolitics and Organizational Behavior
SPEA J310 Introduction to Administrative Process (3 cr.)

Public Administration

- SPEA V366 Managing Human Resources (3 cr.)

Law

- Business L201 Legal Environment and Business (3 cr.)
Forensic Studies P370 Legal Aspects of Criminal Justice System I (3 cr.)
Political Science Y304 Judicial Process and American Constitutional Law I (3 cr.)
Political Science Y305 Judicial Process and American Constitutional Law II (3 cr.)
SPEA J301 Criminal Law (3 cr.)
SPEA J401 Criminal Law and Procedure (3 cr.)
SPEA V376 Law and Public Policy (3 cr.)
SPEA V377 Legal Process and Contemporary Issues in America (3 cr.)

Four of the following courses:

- Criminal Justice**
Forensic Studies P100 Introduction to Forensic Studies (3 cr.)
Forensic Studies P201 Social Control Systems I (3 cr.) or SPEA J101 American Criminal Justice System (3 cr.)
Forensic Studies P350 Science and Technology in Social Control Systems (3 cr.)
Forensic Studies P381 History of Social Control in the U.S. (3 cr.)
SPEA J302 Criminal Law Administration (3 cr.)

- SPEA J322 Introduction to Criminalistics (3 cr.)
SPEA J370 Social Control Systems (3 cr.)
SPEA J401 Criminal Law and Procedure (3 cr.)

Public Affairs

- SPEA V260 Topics in Public Affairs:
Approved Topic (3 cr.)
SPEA V348 Management Science and Policy Analysis Methods (3 cr.)
SPEA V349 Applied Policy Analysis (3 cr.)
SPEA V365 Urban Development and Planning (3 cr.)
SPEA V372 Financial Management and Budgeting (3 cr.)
SPEA V373 Personnel Management (3 cr.)
SPEA V432 Labor Relations in the Public Sector (3 cr.)
SPEA V442 Seminar in Fiscal Management: Approved Topic (3 cr.)
SPEA V443 Acquisition and Management of Grants (3 cr.)
SPEA V444 Public Administrative Organization (3 cr.)
SPEA V445 Policy in State Government (3 cr.)
SPEA V446 Introduction to Governmental Accounting and Financial Reporting (3 cr.)
SPEA V450 Contemporary Issues in Public Affairs: Approved Topic (3 cr.)
SPEA V472 Policy Processes in the U.S. (3 cr.)

Geography

- Geography G342 Urban Mosaic: Spatial Organization of the City (3 cr.)
Geography G344 Urbanization: A Geographic Prospect (3 cr.)
Geography G412 Urban Transportation Analysis (3 cr.)
Geography G414 Regional Transport Systems (3 cr.)
Geography G415 Advanced Urban Geography (3 cr.)
Geography G417 Land Use Analysis (3 cr.)

Political Science

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

Sociology

- Sociology R329 Urban Sociology (3 cr.)
Sociology R345 Crime and Delinquency (3 cr.)
Sociology R346 Control of Crime (3 cr.)
Sociology R480 Sociology and Social Policy (3 cr.)

- Sociology S320 Deviance and Control (3 cr.)
Sociology S325 Criminology (3 cr.)
Sociology S424 Sociology of Law (3 cr.)
Sociology S461 Urban Sociology (3 cr.)

Area Certificate in Public Health

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

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

Eligibility and Application

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University or other accredited colleges and universities are eligible.
2. Students admitted to the Bachelor of Science in Public Health degree program of the School of Public and Environmental Affairs are not eligible to receive the Public Health Certificate.
3. Students must declare their intent to earn this certificate prior to completing nine (9) credit hours creditable toward the certificate.
4. Applications for admission to the certificate program may be obtained from the office of the SPEA Recorder.
5. Upon certification that the student has been awarded a baccalaureate degree and completion of all certificate requirements, the student will be awarded the certificate.

General Requirements

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

Certification Requirements six courses

- All of the following three courses:
SPEA H316 Introduction to Environmental Health (3 cr.)
SPEA H320 Introduction to Health Administration (3 cr.)
SPEA H322 Epidemiology (3 cr.)

Three of the following courses:

- Allied Health W374 Medical Care I (3 cr.)
- Allied Health W471 Medical Care II (3 cr.)
- Economics E387 Economics of Health Care (3 cr.)
- SPEA E400 Topics in Environmental Studies: Approved Topic (3 cr.)
- SPEA E410 Environmental Toxicology (3 cr.)
- SPEA E431 Water Supply and Waste Water Treatment (3 cr.)
- SPEA E451 Air Pollution and Control (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- SPEA H342 Community Health Education (3 cr.) or
- HPER H465 Community Health Education (3 cr.)
- SPEA H411 Nursing Home Administration (3 cr.)
- SPEA H416 Environmental Health Policy (3 cr.)
- SPEA H423 Disease Vector Control (3 cr.) or
- BIOL K443 Medical Entomology (3 cr.)
- SPEA H428 Food Science and Sanitation (3 cr.)
- SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA H460 Environmental Health Instrumentation (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs: Approved Topic (3 cr.)

Area Certificate in Urban Studies

Bloomington

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

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

Students wishing to obtain a certificate in urban studies, in addition to their major

department requirements, must complete 24 hours of course work as described below. Where applicable, students may take courses in their major department to satisfy requirements below as well as requirements in their major.

Eligibility and Application

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

General Requirements

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

Certificate Requirements—eight courses

Concentration Core—four courses

All of the following four courses:

- SPEA K300 Statistical Techniques (3 cr.)
- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V421 Metropolitan Development (3 cr.)

Specialization—four courses

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

Urban Administration

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

Urban Economics

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

Urban Environmental Analysis

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

Urban Finance

- SPEA V372 Financial Management and Budgeting (3 cr.)
- SPEA V442 Seminar in Fiscal Management: approved topics (3 cr.)

Urban Land

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

Urban Policy Analysis

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

Urban Services Delivery Systems

- Social Work S352 Social Welfare Delivery Systems (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (3 cr.) Topic: Neighborhood and Community Development.

Urban Society

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

Urban Structure

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

Urban Transportation

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

Nonsequenced Courses

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

Area Certificate in Urban Studies

South Bend

The undergraduate Urban Studies Certificate Program is designed to introduce students to selected aspects of current thinking and research concerning the nature and problems

of cities, urban life, and urban development. In addition, it provides a foundation for advanced studies and activity in the fields of city planning and municipal government.

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

Eligibility and Application

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

General Requirements

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

Certificate Requirements—seven courses

All of the following seven courses:

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

Course Descriptions

Undergraduate Courses

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

Environmental Courses

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

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

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

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

E400 Topics in Environmental Studies (3 cr.) An interdisciplinary consideration of specific environmental topics. May be repeated for credit.

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

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

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

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

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

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

E461 Fisheries and Wildlife Management Laboratory (3 cr.) P: Fisheries and Wildlife Lecture, a Vertebrate Biology course, Ecology or equivalent; practical experience with instructor's permission. This course provides practical experience identifying wildlife and fish in the field. Students will evaluate actual areas in Southern Indiana which require wildlife plans, such as public areas or reclaimed mining areas using standard procedures and make recommendations.

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

Public Health Courses

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

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

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

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 practice are considered.

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

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

H416 Environmental Health Policy (3 cr.) Study of professional requirements and duties of the environmental health functions within health agencies; consideration of applicable laws and standards in each

environmental health function; environmental health program planning, evaluation, implementation, and personnel responsibilities.

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

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

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

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

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

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

H465 Public Health Practicum (3 cr.) P: Senior standing. Supervised orientation, observation, and instruction with local and state level health-related agencies and facilities. Primary emphasis will be placed on the students' areas of concentration.

H466 Public Health Field Experience (3 cr.) P: H465. Supervised advanced training in professional and technical functions in public health; guided student activity and performance in professional public health functions. Individualized programs may be arranged to suit the students' areas of concentration.

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

Criminal Justice Courses

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

J300 Historical Development of Criminal Justice Systems (3 cr.) Historical and philosophical development of criminal justice systems. Principles involved in the social control process with emphasis on legal systems.

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

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

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

J304 Legal Aspects of Correction (3 cr.) Legal problems from conviction to release: presentence investigations, sentencing, probation and parole, incarceration, loss and restoration of civil rights.

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

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

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

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

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

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

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

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

J339 Criminal Typologies (3 cr.) An examination of the ways in which criminal behavior can be classified and the implications of such classifications for both prevention and treatment.

J340 Probation and Parole (3 cr.) Development, organization, operation, and results of probation and parole as substitutes for incarceration.

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

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

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

J376 Principles of Public Safety (3 cr.) Examination of threats to public safety and

governmental response at various levels to those threats. Treatment of such areas as transportation and highway threats; occupational safety and health; criminal threats; emergency and disaster planning; consumer protection; and fire control and suppression. Discussion of techniques to identify and measure risk, the acceptability of risk, and governmental attempts to control risk.

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

J410 Criminal Justice and Information Systems (3 cr.) R: J310. Records, their use, maintenance, analysis, and interpretation. Use of computer applications and other automated techniques and devices in the Criminal Justice System.

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

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

Public Affairs Courses

K300 Statistical Techniques (3 cr.) P: M014 or equivalent. R: 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 K300, and E270, S250-S251, or K310.

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

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

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

urban patterns, urban economic structure, selected urban problems and policy alternatives.

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

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

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

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

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

V366 Managing Human Resources (3 cr.) This course provides an introduction to the management of people in public organizations. Focus is on behavioral science in management and related analytical and 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, queueing/simulation, Markov modeling, and cost-effective analysis) to design, scheduling, inventory assignment, transportation and replacement decisions.

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

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

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

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

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

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

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

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

V399 Honors Topics (credit arranged) P: approval of instructor and SPEA honors adviser. Restricted to students in SPEA Honors Program.

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

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

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

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

V442 Seminar in Fiscal Management (3 cr.) P: V372 or permission of instructor. Comprehensive study of techniques of public fiscal management, primarily at the state and local level, and discussion of current issues. (Course may be repeated for different topics).

V443 Acquisition and Management of Grants (3 cr.) This course examines the history and impact of grants upon state and local decisionmaking. Relevant legislation and management circulars are studied. Particular emphasis is focused upon methods of sponsor identification, proposal writing techniques, negotiations, and award management.

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

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

V446 Introduction to Government Accounting and Financial Reporting (3 cr.) No previous knowledge of accounting is assumed. An introduction to government accounting, including comparison with accounting for the private sector, intended as background for use of financial administrators. The course deals primarily with municipal accounting. Not open to students with credit for 6 or more hours of accounting.

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

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

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

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

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

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

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

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

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

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

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

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

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

Faculty and Senior Professional Staff 1983-1985

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

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

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

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

Benson, Michael, Ph.D. (University of Illinois, 1981), Assistant Professor of Public and Environmental Affairs (Fort Wayne)

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

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

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

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

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

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

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

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

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

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

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

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

Fleck, Leonard M., Ph.D. (St. Louis University, 1975), Adjunct Assistant Professor of Public and Environmental Affairs (South Bend)

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

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

Frost-Kumpf, Lee, Ph.D. (Ohio State University, 1984), Assistant Professor of Public and Environmental Affairs

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

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

Good, David H., Ph.D. (University of Pennsylvania, 1984), Assistant Professor of Public and Environmental Affairs

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

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

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

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

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

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

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

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

Heler, Edward, Ph.D. (Syracuse University, 1984), Assistant Professor of Public and Environmental Affairs (Northwest)

Henderson, Robert E. Ph.D. (University of Missouri, 1953), Professor of Engineering (School of Engineering and Technology); Adjunct Professor of Public and Environmental Affairs (IUPUI)

Herman, Michael, M.A. (Valparaiso University, 1973), Adjunct Lecturer of Public and Environmental Affairs (Northwest)

Hietje, Gary M., Ph.D. (University of Illinois, 1969), Professor of Public and Environmental Affairs (part-time) and Chemistry (College of Arts and Sciences, Graduate School)

Hites, Ronald A., Ph.D. (M.I.T., 1968), Professor of Public and Environmental Affairs and Chemistry (part-time) (Graduate School)

Hojnacki, William P., Ph.D. (University of Notre Dame, 1977), Director, Division of Public and Environmental Affairs; Associate Professor of Public and Environmental Affairs (South Bend)

Holowaty, Michael O., Ph.D. (University of Breslau, 1944), Director of Laboratories for Environmental Research; Adjunct Professor of Public and Environmental Affairs (Northwest)

Hoole, Francis W., Ph.D. (Northwestern, 1970), Professor of Political Science and Professor (part-time) of Public and Environmental Affairs (Graduate School)

Hopkins, Jack W., Ph.D. (University of Florida, 1966), Professor of Public and Environmental Affairs and Director, Latin American Studies (Graduate School)

Hug, Richard W., Ph.D. (Syracuse University, 1984), Assistant Professor of Public and Environmental Affairs (Northwest)

Hunger, John M., Ph.D. (Indiana University, 1961), Associate Dean, Professor of Public and Environmental Affairs (IUPUI)

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

Johnson, Carlyn E., J.D. (Indiana University, 1963), Professor of Public and Environmental Affairs; Adjunct Professor of Law (IUPUI)

Johnson, John, M.D. (Indiana University, 1974), Adjunct Associate Professor of Public and Environmental Affairs (Northwest)

Jones, William, M.S. (University of Wisconsin, 1972), Director, Environmental System Application Center; Adjunct Lecturer of Public and Environmental Affairs

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

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

Kousoulas, James P., M.S. (Indiana State University, 1979), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)

Khavidi, Rahim, Ph.D. (University of Wisconsin, 1981), Assistant Professor of Geography and Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)

Kragie, John H., Ed.D. (Indiana University, 1981), Assistant Dean for Academic Administration; Director, Undergraduate Program; Associate Professor of Public and Environmental Affairs

Krauss, John, J.D. (Indiana University, 1976), Adjunct Assistant Professor of Public and Environmental Affairs (IUPUI)

Lehnen, Robert G., Ph.D. (University of Iowa, 1968), Professor of Public and Environmental Affairs (IUPUI) (Graduate School)

Liell, John T., Ph.D. (Yale University, 1952), Adjunct Professor of Public and Environmental Affairs; Professor of Sociology (IUPUI)

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

Ludwin, William G., Ph.D. (State University of New York, 1976), Associate Professor of Public and Environmental Affairs (Fort Wayne)

MacDonald, Anne, Ph.D. (University of California, 1984), Assistant Professor of Public and Environmental Affairs

Maxfield, Michael G., Ph.D. (Northwestern University, 1979), Assistant Professor of Public and Environmental Affairs and Assistant Professor of Forensic Studies (part-time) (Graduate School)

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

McDonald, Stephen T., M.B.A. (Indiana University, 1971), Assistant Director and Research Scientist, Institute for Research in Public Safety

McGregor, Eugene B., Jr. Ph.D. (Syracuse University, 1968), Professor of Public and Environmental Affairs and Professor (part-time) of Political Science (Graduate School)

McHugh, Gerald, D.B.A. (George Washington University, 1973), Director, Graduate Program in Health Administration; Associate Professor of Public and Environmental Affairs (IUPUI)

McSwane, David Z., H.S.D. (Indiana University, 1980), Assistant Professor of Public and Environmental Affairs (IUPUI)

Meinschein, Warren C., Ph.D. (University of Texas, 1951), Professor of Public and Environmental Affairs; Professor of Geochemistry (College of Arts and Sciences, Graduate School)

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

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

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

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

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

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

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

Morgan, E. Phillip, Ph.D. (Syracuse University, 1970), Associate Professor of Public and Environmental Affairs (Graduate School)

Murray, Kenneth R., Ph.D. (Purdue University, 1973), Associate Professor of Public and Environmental Affairs

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

Nicholson, Edward A., Ph.D. (Olin State University, 1970), Vice Chancellor, Dean of the Faculty, Professor of Business Administration and Public and Environmental Affairs (Fort Wayne)

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

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

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

Associate Professor of Political Science (College of Arts and Sciences, Graduate School)

Oster, Clinton V., Jr., Ph.D. (Harvard University, 1977), Associate Director, Center for Urban and Regional Analysis; Associate Professor of Public and Environmental Affairs (Graduate School)

Ostrom, Elinor, Ph.D. (University of California, Los Angeles, 1965), Chairperson and Professor of Political Science and Professor (part-time) of Public and Environmental Affairs (College of Arts and Sciences, Graduate School)

Ottensmeyer, John R., Ph.D. (University of North Carolina at Chapel Hill, 1974), Associate Professor of Public and Environmental Affairs and Adjunct Associate Professor of Geography (IUPUI)

Owen, C. James, Ph.D. (University of Notre Dame, 1973), Assistant Professor of Public and Environmental Affairs (Fort Wayne)

Palmer, James A., J.D. (Indiana University, 1971), Research Scientist, Institute for Research in Public Safety

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

Parks, Roger B., Ph.D. (Indiana University, 1979), Director, Center in Policy and Public Management; Associate Professor of Public and Environmental Affairs (Graduate School)

Parrish, Michael, M.L.S. (Indiana University, 1960), Librarian, Head Business/SPEA Library, Adjunct Associate Professor of Public and Environmental Affairs

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

Pellicciotti, Joseph, J.D. (Gonzaga University, 1976), Assistant Professor of Public and Environmental Affairs (Northwest)

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

Pirog-Good, Maureen, Ph.D. (University of Pennsylvania, 1981), Assistant Professor of Public and Environmental Affairs (Bloomington)

Pitts, C. Michael, M.P.A. (Indiana University, 1976), Adjunct Lecturer of Public and Environmental Affairs (IUPUI)

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

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

Randolph, James C., Ph.D. (Carleton University, 1972), Director, Environmental Programs; Professor of Public and Environmental Affairs and Biology (part-time) (College of Arts and Sciences, Graduate School)

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

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

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

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

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

Rubin, Barry M., Ph.D. (University of Wisconsin, 1977), Assistant 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, Phillip, L.L.D. (Indiana University, 1980), Director of Division of Public and Environmental Affairs; Professor of Public and Environmental Affairs and Political Science (Northwest)

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

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

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

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

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

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

Science (College of Arts and Sciences) (Graduate School)

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

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

Stoops, Jon, M.P.A. (University of Pittsburgh, 1969), M.U.P. (University of Michigan, 1973), Director, Academy in Public Service (IUPUI)

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

Tumbas, Nicholas S., M.P.A. (Indiana University, 1974), Research Scientist, Institute for Research in Public Safety

Vilardo, Frank J., Dr. P.H. (University of North Carolina, 1971), Research Scientist and Associate Director, Institute for Research in Public Safety; Associate Professor of Public and Environmental Affairs

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

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

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

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

Willard, Daniel E., Ph.D. (University of California at Davis, 1966), Professor of Public and Environmental Affairs (Graduate School)

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

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

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

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

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

Indiana University

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

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

The Bloomington Campus

The environment and facilities of the Bloomington campus make it a dynamic place to live and study. Over 33,000 students pursue undergraduate and graduate degrees at Bloomington.

The academic resources of the campus provide both opportunity and challenge. The University Library ranks in the top ten academic libraries in the United States and the Lilly Library is internationally known for its collection of rare books and manuscripts. The libraries support the work of faculties in areas such as the humanities, foreign languages, and the social sciences who are renowned for their scholarship and research. Laboratories in departments such as biology, chemistry, and physics are engaged in work at the frontiers of knowledge. Particularly notable is the 200 million volt variable particle cyclotron, which attracts scientists from around the world. The Schools of Business and Public and Environmental Affairs enjoy high prestige with business and government leaders. Programs of distinction are offered in the Schools of Law and Optometry, the School of Library and Information Science, and the School of Health, Physical Education, and Recreation.

The School of Music is ranked first among all such schools in the nation and the School of Education ranks third. An extraordinary variety of lectures and seminars complement classroom and laboratory inquiry. The University Theatre, the Art Museum, and the large Musical Arts Center serve as major resources for the University's programs in the performing and fine arts.

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

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

Indiana University Bloomington is a member of the Big Ten Conference. Men's and women's varsity teams participate in 13 sports. A large intramural sports program provides recreation for all students. Tennis and squash courts, swimming pools, sports fields, running tracks, basketball courts, and an 18-hole golf course are available for individual use. Within a few miles of Bloomington are several thousand acres of state forest, wilderness trails, and lakes for swimming, boating, and fishing.

The Indianapolis Campus

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

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

Significant research in the medical sciences is carried out in 11 specialized centers within the medical school. Research projects are conducted in numerous other fields, some in cooperation with city and government and private industry.

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

Lectures, theatre presentations, and other special events are available on campus, and the city provides many locations and programs for the arts, sports, and entertainment. IUPUI is a member of the National Association of Intercollegiate Athletics and the National Collegiate Athletic Association. Men's and women's varsity teams participate in six sports, and an intramural sports program offers recreation for all students.

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

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

Policies of the University

Nondiscrimination policy Indiana University provides its services without regard to sex, age, race, religion, ethnic origin, veteran status, or handicap. An Affirmative Action Office on each campus

monitors the University's policies and assists individuals who have questions or problems related to discrimination.

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

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

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

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

Residency Status

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

Fees

Credit hour fees listed here were approved at the April 1984 meeting of the Trustees of Indiana University. Credit Hour and special fees are subject to change by action of the Trustees. See the campus *Schedule of Classes* for the most recent fees.

BLOOMINGTON CAMPUS	Indiana resident	
	Undergraduate ¹	Nonresident
	\$50.50/credit hour	\$142.50/credit hour
Graduate ¹	\$65.75/credit hour	\$180.25/credit hour
Professional:		
School of Law	\$65.75/credit hour	\$180.25/credit hour
School of Optometry	\$65.75/credit hour	\$180.25/credit hour

¹ Includes Continuing Studies credit courses.

Medical (combined degree)	\$65.75/credit hour	\$180.25/credit hour
Medical (flat fee)	\$1800/semester	\$4250/semester
Thesis enrollment	\$65.75/semester	\$180.25/semester
Auditing (no credit)	\$20/credit hour	
Special fees (in addition to basic fees)		
Application for admission		
United States	\$20	
Foreign	\$30	
Student Activity Fee ²	\$4.85 or \$9.70/semester	
	\$2.50 or \$4.85/summer session	
Applied music (majors) ³	\$85/semester	
Applied music (nonmajors) ³	\$85/course	
Education early experience ⁴	\$20/course	
Education placement service	\$8	
Business placement service	\$35	
Education practicum ⁵	\$38/course	
Education student teaching ⁶	\$75/course	
Late enrollment or re-enrollment ⁷	(see footnote)	
Late program change ⁸	\$10/course	
Deferred billing charge ⁹	\$15	
Special exam	\$5 to \$17	
Telecommunications Studio ¹⁰	\$85/course	

² Students enrolled in 4 or more credit hours during the semester will be assessed a mandatory fee of \$9.70. Students enrolled in 3 or fewer credit hours during the semester will be assessed a mandatory fee of \$4.85. Students enrolled in 4 or more credit hours per summer session will be assessed a mandatory fee of \$4.85. Students enrolled in 3 or fewer credit hours per summer session will be assessed a mandatory fee of \$2.50.

³ Persons desiring applied music who are not regularly working toward a degree will be charged \$300 per applied music course.

⁴ Students enrolled in any of the following Education courses will be assessed a \$20 fee per course:

Elementary Licenses

Early Childhood: P249, E339, E335, E337, E338
 Kindergarten/Primary: P249, E339, E325, E341, E343
 Elementary: P251, E339, E325, E341, E343
 Junior High/Middle School: P252, M312, M461
 Secondary: P253, M313 or M130, M462
 All Grades: P254, M313 or M130 or M336, and M462
 Special Education: E339, K380, E343

Special Endorsements:

Kindergarten: E337
 Junior/Middle: M161
 Bilingual/bicultural: L441
 Ethnic/cultural: T410
 Coaching: HPER P450
 Special Education: K380
 Family Life: HMEC H453
 Driver & Traffic Safety Ed: HPER S456
 Reading: X400

⁵ Students enrolled in EDUC M470 Practicum and/or EDUA M550 Practicum (variable title courses) will be assessed a \$38 fee per course per semester. The practicum fee of \$38 is also assessed for the following courses: G547, G647, K495X, P310, P311, P410, P411, P518, P519, P591, P592, P595, P596, P691, P692, P694, P699, R473, X425, V580, V680.

⁶ Students enrolled in Education courses M423, M424, M425, M451, M480, M482, M486, M363, and/or K488 will be assessed \$75 per course per semester.

⁷ A late registration fee is assessed to all students registering for classes after the scheduled registration periods for continuing and new students. In Bloomington, this fee is \$30 for nonregistered students who register on the last Friday before classes begin and will increase by \$10 on Monday of each successive week thereafter to a maximum of \$60.

⁸ A fee of \$10 for each course will be assessed after the scheduled Drop and Add week, including a course added during an even exchange or a net drop in credit hours, section change, credit hours changed, or credit audit change.

⁹ Charge due on date unpaid balance is due for students who defer up to half on current semester charges.

¹⁰ Students enrolled in Telecommunications courses R208, R309, R407, R408, and/or R409 will be assessed \$85 per course.

Laboratory ¹¹	\$17/course
Recital fee (Music) ¹²	\$20 to \$50
Health Service fee (optional) ¹³	\$25 or \$34/semester
Nursing clinical	\$7.50/contact hour
HPER courses: billiards, bowling, golf, and horsemanship	(Payment made to Billiard Parlor, Bowling Alley, Golf Course, or Academy for use of facilities)
Microscope fee (Medical Science courses only)	\$30/semester
Deposits (to cover loss or damage):	
Band	\$10
Singing Hoosiers	\$10
Chemistry (for G343, C344, S343, and S344 courses only)	\$25
Lockers (Ballantine, Law, Music, and Woodburn buildings)	\$5 deposit, \$1 to \$1.50 rent deducted per semester
Rentals	
Locker, HPER building	\$7/semester
	\$6 for combined summer sessions
	\$20/year
Locker, Business School	\$7/semester
	\$12/12 months
Locker, SPEA	\$7/semester
	\$12/12 months
Music instrument	\$32/semester or prorated at \$7.50/month for short-time use
Practice room (limit to 1 hour per day) (above practice room rental not charged if applied music fee is paid)	\$15/semester

Independent Study (Correspondence)

Undergraduate courses	\$42.50/credit hour
(residents and nonresidents)	
High school level courses	\$37/half unit course

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

Transcripts \$3

INDIANAPOLIS CAMPUS

Undergraduate	\$46.50/credit hour	\$123.50/credit hour
Graduate and professional	\$65.75/credit hour	\$180.25/credit hour
Medical (flat fee)	\$1800/semester	\$4250/semester
Dentistry (flat fee)	\$1700/semester	\$3600/semester
Thesis enrollment	\$65.75/semester	\$180.25/semester
Auditing (no credit)	applicable credit hour rate	

¹¹ Students, except at IUPUI, who are enrolled in the following laboratory courses will be assessed a laboratory fee of \$17 per course per semester:

Biology: L100, L105, Q201, B205, M315, Z316, B369, & Z450
 Business: K201, K502
 Chemistry: C121, C122, C125, C126, C343, & C344
 Medical Science: A215 and P215
 Optometry: V111, V121, V131, V151, V153, V154, V155, V201, V210, V211, V221, V226, V227, V232, V251, V252, V254, V255, V256, V321, V322, V412, V414, V416, V417, V431, V432, V443, V453, V454, V467, V468, V513, V533, V550, V555, V556, V557, V558, V569, V655, V657, V658, V699
 Physics: T100, P101, P201, P202, P221, & P222

¹² Recital fee in music for one-page program is \$20, for two-page program \$30. The fee for recording the recital is an additional \$20.

¹³ Students enrolled in 7 or more credit hours per semester will be assessed \$25 for an optional co-op fee. Students enrolled in 6 or less credit hours per semester and student spouses will be assessed an additional \$9 per semester. Summer session fees are as listed per session.

Special fees (in addition to basic fees)

Application for admission	
United States	\$20
Foreign	\$30
Laboratory	\$7/contact hour
Nursing clinical	\$7.50/contact hour
Late program change*	\$10/course
Activity	\$2.50/semester
Late enrollment or re-enrollment ¹⁴	\$15-\$60
Deferred fee service charge	\$10
Locker rental fee	\$7/semester
	\$6/summer
HELP Programs ¹⁵	\$25 to \$120/course

Fee Refund Schedule

Time of Withdrawal	Refund	
9 through 16 weeks		The refund policy applies to credit hour fees and all course-related mandatory fees, wherein the student is required to pay a specific fee.
During 1st week of classes or through Drop/Add Day	100%	Procedure Students must apply to the Office of the Registrar and the Office of the Bursar when they withdraw from classes.
During 2nd week of classes	75%	
During 3rd week of classes	50%	
During 4th week of classes	25%	
During 5th week of classes and thereafter	None	Fee Reductions and Financial Aid
5 through 8 weeks		Scholarships and Financial Aid Students can find information about loans and part-time employment through the Office of Student Financial Aids and through their school or department.
During 1st week of classes or through Drop/Add Day	100%	
During 2nd week of classes	50%	
During 3rd week of classes and thereafter	None	Employment The Office of Financial Aids on each campus lists openings for part-time jobs in various offices and organizations of the University.
2 through 4 weeks		Fee Courtesy The following statements describe the privilege of fee courtesy extended to full-time University faculty and staff by the Trustees. For a full policy statement, please refer to personnel policy No. D-21, revised May 7, 1982, available in the personnel office of each campus.
During the 1st and 2nd day or through Drop/Add Day	100%	
During 3rd and 4th day of classes	50%	
During 5th day of classes and thereafter	None	Fees for a full-time appointed employee (100% F.T.E.) who is appointed within the first week of a semester or summer sessions and enrolled in 1-6 credit hours will be assessed at one-half the resident credit hour rate at the campus where the employee
1 week or less		
During 1st day of class	100%	
During 2nd day of classes	50%	
During 3rd day of classes and thereafter	None	

* A fee of \$10 for each course will be assessed after the scheduled Drop and Add week, including a course added during an even exchange or a net drop in credit hours, section change, credit hours changed, or credit audit change.

¹⁴ At Indianapolis, a \$15 late fee will be in effect upon conclusion of registration through the end of the first week of classes. Late registration after the first week of classes will be assessed according to the following graduated schedule:

Week in which the registration is processed: Week 2—\$30 Week 3—\$45 Week 4—\$60.

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

¹⁵ Courses X011, X012, X013, and X014 are \$25. Courses X022 and X023 are \$120.

enrolls, for the actual number of hours taken. Fees for credit hours in excess of six (6) in a semester or summer sessions will be assessed at full resident rate on that campus.

The spouse of a full-time appointed (100% F.T.E.) employee appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy consisting of a credit of one-half of the resident undergraduate fee rate at the campus where the spouse enrolls for each credit hour up to the maximum of three (3) credit hours per semester or summer sessions. This credit will be applied against the full fees of the student at the appropriate resident or nonresident rate.

Dependent children of full-time appointed faculty and staff employees appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy (effective with the fall term 1982) consisting of a credit on one-half of the resident undergraduate fee rate at the campus where the child enrolls. Dependent children shall be defined as all legally dependent children of employees including stepchildren, children

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

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

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

who have employees as their legal guardians, and children of retired employees eligible for group life insurance benefits and of disabled employees receiving long-term disability benefits.

The fee courtesy for dependent children will be granted only to students registered at Indiana University in a curriculum leading to a first baccalaureate or associate degree, and only for the number of semester hours required to complete the curriculum in which the student is enrolled. This fee courtesy shall not apply for graduate or post-baccalaureate professional study.

To receive fee courtesy for dependent children, the full-time employee will fill out an application "Request for Fee Courtesy — Dependent Children," available from the personnel office of each campus, and return the completed form to the personnel office prior to registration for verification of employment. If this application has not been approved and processed prior to registration, the student will be required to pay full fees and then will be issued a refund if the application is approved.

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

Transfer to Other Indiana University Campuses

Each year many Indiana University students transfer from one campus of the university to another to continue their studies toward a degree. These transfers are often necessitated by financial difficulties, illness, or other personal problems, but just as often they are a matter of personal preference. Few of the other multi-campus universities are organized to facilitate this volume of student migration. Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of coursework on the eight campuses.

Students who wish to transfer to another campus should follow these procedures:

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.
2. Contact the department chairperson (or the designated adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers in fine arts must submit portfolios of their work. Music transfer students must be auditioned.
3. As the date of transfer approaches, check with your campus registrar to get information on registration dates and procedures on the other campus. If there is a preregistration or pre-enrollment procedure at the other campus, you should plan to take advantage of it. Contact the registrar of the other campus to determine whether you can fulfill any of these responsibilities by phone. Your registrar has a direct telephone line to all other registrars.
4. When you arrive on the new campus, contact your assigned academic adviser or department chairperson as soon as possible. Discuss your academic progress to date and the additional coursework required for your program.

Rules Determining Resident and Non-resident Student Status for Indiana University Fee Purposes

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

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

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these Rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.
 - (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these Rules, but except as provided in Rule 2(c), such person must be a resident for twelve (12) months in order to qualify as a resident student for fee purposes.
 - (b) Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of higher education, shall not be counted in determining the twelve (12) month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least twelve (12) consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the University, subject to the exception in (c) below.
 - (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administered the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.
 - (b) If such person comes from another state or country for the predominant purpose of attending the University, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.
 - (c) Such person may be classified as a resident student without meeting the twelve (12) month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."
 - (d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.
 - (e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the University until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.

3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.
4. A person classified as a nonresident student may show that he or she is exempt from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see Rule 1 above) of Indiana for the twelve (12) months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of twelve (12) months from the Residence Qualifying Date, i.e., the date upon which the student commenced the twelve (12) month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.
 - (a) The residence of a student's parents or guardians.
 - (b) The situs of the source of the student's income.
 - (c) To whom a student pays his or her taxes, including property taxes.
 - (d) The state in which a student's automobile is registered.
 - (e) The state issuing the student's driver's license.
 - (f) Where the student is registered to vote.
 - (g) The marriage of the student to a resident of Indiana.
 - (h) Ownership of property in Indiana and outside of Indiana.
 - (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
 - (j) The place of the student's summer employment, attendance at summer school, or vacation.

- (k) The student's future plans including committed place of future employment or future studies.
 - (l) Admission to a licensed profession in Indiana.
 - (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
 - (n) All present and intended future connections or contacts outside of Indiana.
 - (o) The facts and documents pertaining to the person's past and existing status as a student.
 - (p) Parents' tax returns and other information, particularly when emancipation is claimed.
5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
 6. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
 7. A Standing Committee on Residence shall be appointed by the President of the University and shall include two (2) students from among such as may be nominated by the student body presidents of one or more of the campuses of the University. If fewer than four are nominated, the President may appoint from among students not nominated.
 8. A student who is not satisfied by the determination of the Registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the Registrar's determination which Committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The Committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the Registrar shall be final and binding.
 9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these Rules. The decision of the Committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
 10. A student or prospective student 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.