

INDIANA UNIVERSITY

*Jan*

BULLETIN  
**1998**  
**2000**

School of  
PUBLIC AND  
ENVIRONMENTAL AFFAIRS  
UNDERGRADUATE PROGRAMS

INDIANA UNIVERSITY BULLETIN  
Indiana University  
Bloomington, Indiana 47405

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# INDIANA UNIVERSITY

# BULLETIN

# 1998 2000

## School of PUBLIC AND ENVIRONMENTAL AFFAIRS UNDERGRADUATE PROGRAMS

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## Contents

1	School of Public and Environmental Affairs	27	Areas of Concentration
1	Placement and Internship Office	27	Environmental Science and Health
1	SPEA Alumni Association	27	Health Administration
2	SPEA Centers, Institutes, Programs, and Services	28	B.S. in Health Services Management
3	Alpha Phi Sigma	29	B.S. in Criminal Justice
4	Pi Alpha Alpha	30	Associate of Science Degree Programs
4	Undergraduate Programs	31	A.S. in Criminal Justice
5	Requirements for Admission	32	A.S. in Public Affairs
5	Policies Governing the Undergraduate Program	32	Areas of Concentration
7	Honors and Accelerated Master's Programs	32	Criminal Justice
7	International Programs	33	Emergency Services Administration
8	Washington Leadership Program	33	Environmental Affairs
9	Bloomington Programs	33	Public Administration
9	Bachelor of Science Degree Programs	33	SPEA Minors
9	B.S. in Public Affairs	34	Public and Environmental Affairs
11	Majors	34	Criminal Justice
11	Environmental Management	34	Environmental Science and Health
12	Legal Studies	34	Health Systems Administration
12	Management	34	Area Certificate Programs
12	Policy Studies	35	Environmental Studies
13	Public Financial Management	35	Public Affairs
13	B.S. in Public Health	36	Public Health
14	Public Health Core	36	American Humanities Certification
14	Health Administration	38	Fort Wayne Programs
15	B.S. in Environmental Science	38	Bachelor of Science Degree Programs
16	Associate of Science Degree Programs	38	B.S. in Public Affairs
16	A.S. in Public Affairs	39	Majors
17	Areas of Concentration	39	Criminal Justice
17	Emergency Services Administration	39	Health Services Administration
17	Public Administration	39	Management
17	SPEA Minors	40	Specialized Study in Public and Environmental Affairs
18	Public and Environmental Affairs	40	B.S. in Health Services Management
18	Environmental Management	41	B.S. in Criminal Justice
18	Environmental Science and Health	42	Associate of Science Degree Programs
19	Health Systems Administration	42	A.S. in Criminal Justice
19	Human Resources	43	A.S. in Public Affairs
19	Legal Studies	44	Areas of Concentration
19	Management	44	Criminal Justice
19	Nonprofit Management	44	Emergency Services Administration
20	Policy Studies	45	Public Administration
20	Public Finance	45	SPEA Minors
20	Area Certificate Programs	45	Public and Environmental Affairs
20	Environmental Studies	45	Criminal Justice
21	Public Affairs	46	Area Certificate Programs
22	Public Health	46	Public Health
22	Public Management	47	Northwest (Gary) Programs
22	Urban Studies	47	Bachelor of Science Degree Programs
23	American Humanities Certification	47	B.S. in Public Affairs
23	Environmental Studies Major	48	Areas of Concentration
24	Indianapolis Programs	48	Criminal Justice
24	Bachelor of Science Degree Programs	48	Environmental Policy
24	B.S. in Public Affairs	48	Health Services Administration
25	Areas of Concentration	48	Management
25	Criminal Justice	49	Specialized Study in Public and Environmental Affairs
25	Management	49	B.S. in Health Services Management
26	Urban Affairs	50	B.S. in Criminal Justice
26	Specialized Study in Public and Environmental Affairs	51	Associate of Science Degree Programs
26	B.S. in Public Health	51	A.S. in Criminal Justice



- 52 A.S. in Public Affairs
- 53 Areas of Concentration
- 53 Criminal Justice
- 53 Emergency Services Administration
- 53 Environmental Affairs
- 54 Public Administration
- 54 SPEA Minors
- 54 Public and Environmental Affairs
- 54 Criminal Justice
- 54 Environmental Science and Health
- 54 Health Systems Administration
- 55 Area Certificate Programs
- 55 Public Affairs
- 55 Public Health
- 57 South Bend Programs
- 57 Bachelor of Science Degree Programs
- 57 B.S. in Public Affairs
- 58 Majors
- 58 Criminal Justice
- 58 Environmental Policy
- 59 Legal Studies
- 59 Management
- 59 B.S. in Health Services Management
- 60 B.S. in Criminal Justice
- 61 Associate of Science Degree Programs
- 62 A.S. in Criminal Justice
- 63 A.S. in Public Affairs
- 63 Areas of Concentration
- 63 Criminal Justice
- 64 Emergency Services Administration
- 64 Environmental Affairs
- 64 Public Administration
- 65 SPEA Minors
- 65 Public and Environmental Affairs
- 65 Criminal Justice
- 65 Health Systems Administration
- 65 Area Certificate Programs
- 66 Environmental Studies
- 66 Public Affairs
- 67 Public Health
- 67 Urban Studies
- 68 Kokomo Programs
- 68 Bachelor of Science Degree Programs
- 68 B.S. in Criminal Justice
- 69 Associate of Science Degree Programs
- 69 A.S. in Criminal Justice
- 70 SPEA Minors
- 70 Criminal Justice
- 70 Area Certificate Program
- 71 Correctional Management and Supervision
- 72 Course Descriptions
- 82 Faculty
- 87 Indiana University
- 87 General Policies
- 87 Undergraduate Admissions Policy
- 88 Transfer to Other Indiana University Campuses
- 89 Resident and Nonresident Status
- 92 Fees
- 94 Fee Refund Schedule
- 94 Veterans Benefits

## School of Public and Environmental Affairs

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

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

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

## Placement and Internship Office

This Bloomington-based office assists students in making the transition from the university setting to the working world. Workshops, individual counseling, alumni mentoring, and an extensive library are provided. Further assistance is offered in finding internships and employment through an advanced course, Personal Career Planning, SPEA V352. Other services include interviews with on-campus recruiters, automated resume preparation and distribution to employers, bulletins, directories, and networking.

An experiential requirement is a component of most of the undergraduate programs on the Bloomington campus, and students usually fulfill this with an internship. This gives students an excellent opportunity to apply classroom theory and techniques to real-life experiences. Students must be in good academic standing and file an internship contract with the Placement and Internship

Office. In addition, SPEA students must have completed a specified course in their major/concentration.

The internship program is designed for maximum flexibility so that many valid learning experiences can qualify as internships. Work can be full or part-time, paid or unpaid; however, prior approval by the student's faculty advisor is always required. After obtaining approval for an internship, a student may register for 1-6 credit hours, earning one credit for every 80 hours of work, with a minimum of 120 hours of work. All credit for an internship is awarded on an S/F (Satisfactory/Fail) basis. Credit is not granted for work experience obtained prior to approval of an internship and enrollment in the appropriate internship class.

Students seeking career-planning assistance should check with the Placement and Internship Office, located on the Bloomington campus in SPEA 200, (812) 855-9639, for answers to specific questions. Visit us on the Web at <http://www.indiana.edu/~speacare>.

Career-planning assistance is also available on other campuses. For information contact:

**Indianapolis Campus**  
Career and Employment Services  
Business/SPEA 2010  
(317) 274-2556

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

**Northwest Campus**  
Career and Placement Services  
Sycamore 314  
(219) 980-6650  
[damari@iunhaw1.iun.indiana.edu](mailto:damari@iunhaw1.iun.indiana.edu)

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

## SPEA Alumni Association

SPEA maintains contact with alumni through the SPEA Alumni Association, a constituent society within the parent Indiana University Alumni Association. The SPEA Alumni Association publishes the school's newsletter, *Alumni Update*, mailed three times a year to more than 14,000 SPEA alumni located in all 50 states and 21 foreign countries. Through this newsletter alumni, faculty, and students are able to maintain contact. The Alumni Association raises funds for student scholarships with a summer golf outing in



Indianapolis and with specialized efforts for specific programs. It sponsors the publication of an alumni directory and sponsors alumni events in several major cities. The SPEA Alumni Association is governed by an elected 16-member board of directors, which meets biannually.

## SPEA Centers, Institutes, Programs, and Services

The School of Public and Environmental Affairs encompasses public service activities that complement innovative academic programs. The school provides a wide variety of services to a number of federal, state, and local agencies.

The Bowen Research Center, based in Indianapolis, is a joint effort of the School of Medicine and the School of Public and Environmental Affairs. Named for Governor Otis Bowen, the former director of the U.S. Department of Health and Human Services, the Bowen Center has become the university's leader in health policy and health services research. The center's multimillion-dollar research program provides important research opportunities for faculty and students. The center's research focuses on primary health care service among rural and underserved populations; promotes health, disease prevention, and reduction of untimely loss of lives through research on lifestyle changes; develops methods to control health care costs and improve the effectiveness, efficiency, humaneness, and appropriateness of health services. The Bowen Research Center can be reached at <http://134.68.130.14/bowen/bowen.htm>.

The Business/SPEA Library is a Bloomington branch of the Indiana University Libraries. It fulfills the research and study needs of the School of Business and the School of Public and Environmental Affairs. The library has extensive electronic and traditional resources. Detailed information about the Business/SPEA Library can be found at its Web site at <http://www.indiana.edu/~bslib/index.html>.

The Environmental Systems Application Center (ESAC) promotes, facilitates, and administers externally funded environmental research within the school. The ESAC staff works with SPEA faculty, staff, and students to identify new research opportunities, prepare proposals, manage project budgets, carry out research, and prepare final reports. Center research often involves investigations of multiple disciplines and sometimes requires investigators from other Indiana University departments or other universities. This interdisciplinary, multi-institutional approach is a particular strength of ESAC. While some

basic research is conducted in the center, ESAC research activities typically have a strong public service focus of both state and national significance. Areas of expertise within the center include limnology, stream ecology, lake and watershed management, applied ecology, aquatic chemistry, environmental chemistry, hazardous waste management, risk assessment, and wetlands ecology. In carrying out its mission, the center utilizes student research assistants whenever possible, providing valuable experience and financial assistance to students in the process.

The Executive Education Program offers state, federal, and nonprofit leaders and managers concentrated academic offerings as well as short-term noncredit seminars that provide timely and applied management education. Thousands of public managers each year attend Executive Education Programs to update techniques and hone administrative skills for increased managerial effectiveness.

The Geographic Information Systems Laboratory (GIS) is a state-of-the-art computing facility. The lab has information processing technology that manages, analyzes, and displays spatial data for scientific and policy research. Information about the GIS Lab can be found at <http://www.indiana.edu/~speagis/index.html>.

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

The Indiana Conflict Resolution Institute (ICRI) has a three-fold mission: teaching, research, and service in conflict resolution and dispute resolution processes. ICRI's teaching mission includes the development of undergraduate, graduate, continuing education, and executive education curriculum to foster a deeper understanding and broader use of dispute resolution processes such as mediation facilitation, early neutral evaluation, ombudsmen programs, arbitration, partnering, and related consensual processes. Its research mission includes evaluation and research regarding dispute resolution processes and programs in public and nonprofit organizations, with the goal of contributing to continuous improvement of both the processes, and our knowledge of their impact on the participants and organizations. ICRI's service mission is to provide a clearinghouse of information about dispute resolution for the State of Indiana. Additional information about ICRI can be found at <http://www.indiana.edu/~icri>.

The Institute for Development Strategies, sponsored by the Office of Research and the University Graduate School and the School of Public and Environmental Affairs, is a university-wide research program linking faculty resources from various departments and campuses. The institute examines research-related problems in the field of regional economic development at state, national, and international levels. It focuses on mobilization of regional resources for development and conducts research on the causes and consequences of regional change.

The Institute for Family and Social Responsibility (FASR) is a joint effort of the School of Public and Environmental Affairs and the School of Social Work, with its focus on social policy research and outreach activities. The institute's mission is to bring together the resources of citizens, governments, communities, and Indiana University to better the lives of children and families. Ongoing research projects examine the impacts of welfare reforms, the adequacy of child support guidelines, community responses to the Temporary Assistance to Needy Families legislation, and AIDS education for incarcerated youth. The institute serves as the National Child Support Enforcement Research Clearinghouse. It also administers a university-wide competitive student internship program in collaboration with the Indiana Family Social Services Administration. Further information concerning FASR can be found at <http://www.indiana.edu/~fasr/>.

The Institute for the Study of Government and the Nonprofit Sector is a joint initiative of Indiana University's Center on Philanthropy, the Center for Urban Policy and the Environment, and the School of Public and Environmental Affairs. The purpose of the institute is to support intellectual exchange between faculty members, stimulate extramural support for faculty research, and engage students and returning practitioners in a discussion of issues involving the intersection of government and the nonprofit sector. The mission of the institute is to create and disseminate knowledge about the complex linkages between government and the nonprofit sector and to develop specialized faculty expertise. The institute will strive to become the preeminent national and international resource on matters related to government and the nonprofit sector. The institute can be reached on the Web at <http://www.spea.iupui.edu/isgns/home.htm>.

The Midwestern Regional Center for Global Environmental Change, located on the Bloomington campus, is one of six regional centers of the National Institute for Global Change. The Midwestern center, together with

the other five centers, provides research support to the U.S. Department of Energy in the field of global environmental change. The other regional centers are located at the University of California at Davis, University of Nebraska—Lincoln, University of Alabama, Harvard University, and Tulane University. The center supports the mission of the national institute by participating in a variety of research activities that focus on global climate change, development of early warning systems for energy-related changes, analysis of energy-related environmental risks, training of environmental scientists, and the preparation of public education programs on global climate change.

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

The Center for Urban Policy and the Environment helps governmental, nonprofit, and corporate clients address and plan for complex urban and environmental challenges. Center faculty and staff can provide services in economic analysis, conflict avoidance and resolution, strategic planning, organizational and fiscal capacity analysis, governance, criminal justice and policing, health administration, nonprofit management, and environmental resource management. Since 1992, the center has successfully provided research and technical assistance to governmental agencies throughout Indiana, the Indiana State Legislature, the Office of the Governor, cities and towns across the state, private organizations, nonprofit groups, other states, and several countries.

## Alpha Phi Sigma

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



average. To remain in good standing, students must maintain an overall grade point average of at least 3.00 and a grade point average of at least 3.20 in all criminal justice courses completed.

## Pi Alpha Alpha

Pi Alpha Alpha is the national honorary society for schools of public affairs and administration. The society acknowledges outstanding scholarship and contributions to these fields. It was founded in 1972 by the National Association of Schools of Public Affairs and Administration (NASPAA) to honor those whose performance in public affairs has been distinguished. The Indiana chapter of Pi Alpha Alpha is a charter chapter. Membership in Pi Alpha Alpha may be compared to membership in Phi Beta Kappa for liberal arts graduates. A person evaluating credentials in the various fields of public service should recognize the professional quality such a membership represents.

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

Alumni are eligible for membership if they meet all the requirements of student membership, even if they graduated before induction by the Indiana chapter.

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

## Undergraduate Programs

The School of Public and Environmental Affairs offers a wide range of undergraduate programs at six of the Indiana University campuses—Bloomington, Indianapolis, Fort Wayne, Kokomo, Northwest (Gary), South Bend. In addition, through a cooperative arrangement at IU East (Richmond) campus, the School of Public and Environmental Affairs offers the Associate of Science degree in Criminal Justice (A.S.C.J.). The undergraduate degrees are the Bachelor of Science in Public Affairs (B.S.P.A.), the Bachelor of Science in Public Health (B.S.P.H.), the Bachelor of Science in Health Services Management (B.S.H.S.M.), the Bachelor of Science in

Criminal Justice (B.S.C.J.), and, through a joint program with the College of Arts and Sciences, a Bachelor of Science in Environmental Science (B.S.E.S.). The School of Public and Environmental Affairs offers the following associate degrees: Associate of Science in Criminal Justice (A.S.C.J.), and the Associate of Science in Public Affairs (A.S.P.A.). In addition, the undergraduate program includes minors and five area certificate programs in environmental studies, public affairs, public health, and urban studies. Not all degrees, minors, and certificates are offered at all campuses.

Information concerning these programs can be obtained by visiting our Web site at <http://www.indiana.edu/~speaweb/> or from the following SPEA campus offices:

**Bloomington**  
Director, Undergraduate Programs  
School of Public and Environmental Affairs  
SPEA Building 260  
Indiana University  
Bloomington, IN 47405-2100  
(812) 855-3475

**Indianapolis**  
Student Services Office  
School of Public and Environmental Affairs  
Business/SPEA Building 3027  
Indiana University-Purdue University  
Indianapolis  
801 W. Michigan Street  
Indianapolis, IN 46202-5152  
(317) 274-4656

**Fort Wayne**  
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Division of Public and Environmental Affairs  
Neff Hall 260  
Indiana University-Purdue University Fort Wayne  
2101 Coliseum Boulevard East  
Fort Wayne, IN 46805-1499  
(219) 481-6351  
<http://www.ipfw.indiana.edu/spea/>

**Kokomo**  
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**East (Richmond)**  
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2325 Chester Boulevard  
Richmond, IN 47374-1289  
(765) 973-8208

**South Bend**  
Director  
Division of Public and Environmental Affairs  
Indiana University South Bend  
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## Requirements for Admission

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

SPEA Bloomington requires application to its undergraduate programs and has a competitive admission process. Students are required to complete one of the courses listed below with a minimum grade of C.

SPEA V160 National and International Policy (3 cr.)  
SPEA V161 Urban Problems and Solutions (3 cr.)  
SPEA E162 Environment and People (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

Students should apply for admission when they are enrolled in the preadmission course. Admission decisions are based on the grade in the above required course and on the cumulative GPA. A minimum cumulative GPA requirement for admission is established each semester.

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

SPEA Indianapolis has a special program to admit freshman students simultaneously to SPEA and to the University College. To be eligible for this dual admission, applicants must meet the general university and campus requirements for admission, have a minimum combined SAT (or equivalent) test score of 900 (recented SAT I test score of 1010), be in the top quartile in their high school ranking, and score at the college level in English, mathematics, and reading on the IUPUI placement tests.

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

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

## Intercampus Transfer

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

## Policies Governing the Undergraduate Program

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

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

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

The following grades carry no points: I (Incomplete—an Incomplete will change to an F if the work is not completed within the time period specified by the instructor [an instructor can specify any period of time up to one year]), NR (No Grade Reported), P (Pass), R (Deferred), S (Satisfactory), W (Withdrawal—check the current *Schedule of Classes* for deadlines). SPEA students who have retaken a previously failed course (must be the same department and course number) may request to have only the last grade computed in their grade point average. The original F will be replaced by an FX. Requests will be honored only for a maximum of three courses totaling



no more than 10 credit hours. In the event a course is failed twice, only one F can be removed. The Indianapolis campus has an expanded policy in regards to computing the cumulative GPA. When a course is taken a second time, students may replace five grades for a total of 15 hours.

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

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

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

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

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

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

**Student Rights and Responsibilities** These provide for due process in the event of disciplinary or other actions and are explained in detail in the student handbook, *Code of Student Rights, Responsibilities, and Conduct*. In accordance with federal law, student records are confidential and are available to other persons only under specific conditions as

outlined in university regulations. Students are responsible for planning their own academic programs and for meeting the requirements for their degree or certificate programs. Faculty and academic advisors are obligated only to assist students in meeting this responsibility.

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

**Sex Offenders Screening Policy for Students/Applicants** Indianapolis applicants should be aware that criminal convictions may result in ineligibility for participation in certain courses/activities within the School of Public and Environmental Affairs. Questions regarding school policy on such matters should be addressed to the appropriate program director or the director of student services.

## Other Policies Concerning Degree Requirements

**Bulletin Policy** Students are expected to complete the requirements for their undergraduate degree within 10 years of admission to the School of Public and Environmental Affairs. Students are allowed to continue beyond this time period only at the discretion of the undergraduate program director or campus director. If a student has not taken classes for three years or more, that student must satisfy program requirements of the School of Public and Environmental Affairs in effect at the time of reactivation. Requests for deviation from requirements listed in the bulletin must be approved in writing by the program director, whose decision is final.

**Hours Requirements** Students must successfully complete a minimum of 120 credit hours for most of the Bachelor of Science degrees and a minimum of 60 credit hours for the Associate of Science degree. However, the Bachelor of Science in Environmental Science requires 122 credit hours. The campus at which a student completes the plurality of required course work will award the degree, provided that campus is authorized to grant the degree/major/concentration and that the student has been admitted to that campus. Students may transfer no more than 90 credit hours (60 credits from a junior college) toward a Bachelor of Science degree or 30 credit hours

toward an Associate of Science degree. Class standing, based on total credit hours that count toward minimum degree requirements, is as follows: senior, 86 or more; junior, 56-85; sophomore, 26-55; freshman, fewer than 26.

**Grade Point Average Requirement** A minimum cumulative GPA of 2.00 is required for the B.S. and A.S. degrees. In addition, a SPEA core and major/concentration GPA of 2.30 must be maintained in order to graduate. As a joint degree from the College of Arts and Sciences and the School of Public Affairs, the B.S. in Environmental Science does not require a GPA of 2.30 in the major/concentration. For students seeking certificates or minors from SPEA, the minimum GPA requirement is 2.00 in all applicable course work.

**Double-Counting** Courses taken to meet a specific degree requirement cannot be double-counted (used to satisfy any other degree requirement). The exception to this rule is that Environmental Management majors may double count SPEA E272, Introduction to Environmental Sciences, as a core and major/concentration requirement.

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

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

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

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

With prior approval, a student may take three courses totaling no more than 10 credit hours by correspondence through the IU Division of

Extended Studies, Independent Study Program. Under no circumstances may a student satisfy a core or major/concentration requirement by correspondence.

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

SPEA students may choose to pursue a minor from another school, department, or within SPEA in an area other than their degree or major/concentration. Students interested in a minor should contact that department for additional information.

## Honors and Accelerated Master's Programs

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

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

Participation in this program allows the student to fulfill some graduate program requirements during the senior year. Graduate courses count for both graduate and undergraduate degree requirements. Before starting the graduate program, students must have satisfied all general education and core requirements with a minimum of 96 credit hours completed toward their bachelor's degree (90 credit hours for students seeking the M.H.A. degree). For additional information, students should contact the appropriate program director.

## International Programs

SPEA offers several opportunities to study abroad for credit:

- The Rotterdam Program in the Netherlands (spring)
- The Leiden Program in the Netherlands (fall)
- The Parliamentary Internship Program in Canberra, Australia



The first two of these are one-semester programs that allow students to take 15 credit hours in the general area of public affairs. The internship is available with or without course work and is offered each semester and during the summer (the Australian winter). In addition, IU offers many other officially approved study abroad programs that can, with the authorization of your advisor, count for SPEA credit.

All these programs are taught in English, and the IU credit obtained costs the same as it would if you remained on campus. Financial aid that you have obtained for your studies is normally applied to these overseas experiences. Experience has taught us that studying abroad does not adversely affect your GPA, increase your cost of study, or delay your graduation, even though many people seem to think one or all of these things will happen.

Our purpose in creating these study abroad opportunities is to provide you with a unique chance to broaden your horizons, help you prepare yourself for a world that is becoming much more international and global, and allow you to challenge yourself by facing something new. Of course, there are opportunities to travel and socialize as well as study—and that is all part of the educational experience. More than 200 SPEA students have benefited from this opportunity. There are many programs from which to choose, and students are advised to make use of the overseas study resource center on the third floor of Franklin Hall. For further information, consult SPEA's international program office in SPEA 241.

## Washington Leadership Program

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

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

## Bloomington Programs

### Bachelor of Science Degree Programs

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

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

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

The Bachelor of Science in Environmental Science is an undergraduate degree program that specifically considers the environment as a scientific entity. This degree should be selected by students preparing for employment as professionals in environmental science or preparing for graduate study in environmental science or in one of the traditional sciences.

### Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours. The Bloomington campus offers five majors: Environmental Management, Legal Studies, Management, Policy Studies, and Public Financial Management.

#### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

(Three courses for a minimum of 9 credit hours)

The following writing course:

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

One of the following:

ENG W231 Professional Writing Skills (3 cr.)  
ENG W240 Community Service Writing (3 cr.)  
BUS X204 Business Communications (3 cr.)

One of the following oral communication courses:

CMCL S121 Public Speaking (3 cr.)  
CMCL S122 Interpersonal Communication (3 cr.)  
CMCL S205 Introduction to Communication and Culture (3 cr.)  
CMCL S223 Business and Professional Communication (3 cr.)  
CMCL S225 Discussion and Decision Making (3 cr.)  
CMCL S228 Argumentation and Debate (3 cr.)  
CMCL S229 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

(Two courses for a minimum of 6 credit hours)

Two approved courses from the following subject areas:

Afro-American studies  
Central Eurasian studies  
Classical studies  
Communications and culture  
Comparative literature  
English  
Fine arts  
Folklore  
Foreign languages and literature  
History and philosophy of science  
Musicology and music history  
Philosophy  
Religious studies  
Theatre and drama

#### Social Historical Studies

(Five courses for a minimum of 15 credit hours)

ECON E201 Introduction to Microeconomics (3 cr.)  
ECON E202 Introduction to Macroeconomics (3 cr.)

One of the following:

HIST H105 American History I (3 cr.)  
HIST H106 American History II (3 cr.)  
POLS Y103 Introduction to American Politics (3 cr.)



Two approved courses from the following areas:

Anthropology  
Criminal justice  
Gender studies  
Geography (check with an advisor)  
History  
Journalism  
Linguistics  
Political science (not POLS Y103)  
Psychology (check with an advisor)  
Sociology  
Telecommunications

#### Natural Sciences

(Two courses for a minimum of 6 credit hours selected from the following departments.)

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

#### Astronomy

Ast A100 The Solar System (3 cr.)  
Ast A105 Stellar Astronomy (3 cr.)  
Ast A110 Introduction to Astronomy (3 cr.)

#### Biology

BIOL L100 Humans and the Biological World (5 cr.)  
BIOL L104 Introductory Biology Lectures (3 cr.)  
BIOL L111 Introduction to Biology: Evolution and Diversity (3 cr.)  
BIOL L112 Introduction to Biology: Biological Mechanisms (3 cr.)  
BIOL L113 Biology Laboratory (3 cr.)  
BIOL L212 The Biology of Food (3 cr.)  
BIOL L350 Environmental Biology (3 cr.)  
BIOL L369 Heredity Evolution and Society (3 cr.)

#### Chemistry

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

#### Earth Sciences

GEOG G107 Physical Systems of the Environment (3 cr.)  
GEOG G109 Weather and Climate (3 cr.)  
GEOG G185 Global Environmental Change (3 cr.)  
GEOG G103 Earth Science: Materials and Processes (3 cr.)  
GEOG G104 Earth Science: Evolution of the Earth (3 cr.)  
GEOG G105 Earth: Our Habitable Planet (3 cr.)  
GEOG G111 Physical Geology (3 cr.)  
GEOG G112 Historical Geology (3 cr.)

GEOL G114 Prehistoric Life (3 cr.)  
GEOL G116 Our Planet and Its Future (3 cr.)  
GEOL G121 Meteorites and Geological Processes in Planets (3 cr.)  
GEOL G171 Environmental Geology (3 cr.)

#### Physics

PHYS P101 Physics in the Modern World (4 cr.)  
PHYS P120 Energy and Technology (3 cr.) or  
PHYS P110 Energy (2 cr.)  
PHYS P201 General Physics I (3 cr.)  
PHYS P202 General Physics II (5 cr.)  
PHYS P221 Physics I (5 cr.)  
PHYS P222 Physics II (5 cr.)

#### Psychology

PSY P101 Introduction to Psychology I (3 cr.)

#### Quantitative Methods

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

One of the following computer courses:

SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (2-3 cr.)  
CSCI A110 Introduction to Computers and Computing (3 cr.)  
CSCI A107 Advanced Microcomputing: Programming within Applications (3 cr.)  
CSCI A201 Introduction to Programming I (4 cr.)

One of the following mathematics courses:

MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus I (3 cr.)  
MATH M211 Calculus I (4 cr.)

One of the following statistics courses:

SPEA/CJUS/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E370 Statistical Analysis for Business and Economics (3 cr.)  
MATH/PSY K310 Statistical Techniques (3 cr.)  
SOC S250 Methods and Statistics I (3 cr.)

#### General Electives

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

#### Public Affairs Core

(Five courses)  
SPEA V160 National and International Policy (3 cr.)  
SPEA V161 Urban Problems and Solutions (3 cr.)  
SPEA E162 Environment and People (3 cr.) or  
SPEA E272 Introduction to Environmental Sciences (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

#### Experiential Requirement

(1 to 6 credit hours)

Each BSPA student must satisfy the experiential requirement by participating in

one of the Leadership Programs administered by the Internship and Placement Office, enrolling in a traditional internship, conducting significant research, or enrolling in a course which has a team-based project. Most students will elect to gain professional experience prior to entering the job market by completing an internship. In order for an internship to satisfy the experiential requirement, students must be in the School of Public and Environmental Affairs, be in good academic standing, and have completed at least one course specified by their major before starting the internship.

#### Majors

There are five majors offered on the Bloomington campus. They are Environmental Management, Legal Studies, Management, Policy Studies, and Public Financial Management.

#### Environmental Management Requirements

(Ten courses)

Note: Courses may be listed in more than one area below. However, no course will count more than once in the major.

SPEA E272 Introduction to Environmental Sciences (3 cr.)

One of the following two courses:

SPEA E363 Environmental Management (3 cr.)  
SPEA E476 Environmental Law and Regulation (3 cr.)

One of the following two courses:

SPEA E311 Introduction to Risk Assessment and Risk Communication (3 cr.)  
SPEA E340 Environmental Economics and Finance (3 cr.)

One of the following two courses:

SPEA E465 Environmental Management in the Tropics (3 cr.)  
SPEA E466 International Environmental Policy (3 cr.)

One of the following courses:

SPEA E360 Introduction to Biological Resources (3 cr.)  
SPEA E400 Topics in Environmental Studies (3 cr.) *Requires faculty approval*  
SPEA E410 Introduction to Environmental Toxicology (3 cr.)  
SPEA E440 Wetlands: Biology and Regulation (3 cr.)  
SPEA E442 Habitat Analysis—Terrestrial (3 cr.)  
SPEA E443 Habitat Analysis—Aquatic (3 cr.)  
SPEA E455 Limnology (4 cr.)  
SPEA E456 Lake and Watershed Management (3 cr.)  
SPEA E460 Fisheries and Wildlife Management (3 cr.)  
SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)

One of the following courses:

SPEA E400 Topics in Environmental Studies (3 cr.) *Requires faculty approval*  
SPEA E419 Applied Remote Sensing of the Environment (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 E470 Elements of Fluid Mechanics (3 cr.)  
SPEA E475 Techniques of Environmental Science (3 cr.)

Four courses from the following, chosen in consultation with a faculty advisor.

SPEA E311 Introduction to Risk Assessment and Risk Communication (3 cr.)  
SPEA E325 Computing for Environmental Scientists (2 cr.)  
SPEA E326 Mathematical Methods in Environmental Science (3 cr.)  
SPEA E340 Environmental Economics and Finance (3 cr.)  
SPEA E360 Introduction to Biological Resources (3 cr.)  
SPEA E363 Environmental Management (3 cr.)  
SPEA E400 Topics in Environmental Studies (3 cr.) *May be repeated*  
SPEA E410 Introduction to Environmental Toxicology (3 cr.)  
SPEA E412 Risk Communication (3 cr.)  
SPEA E419 Applied Remote Sensing of the Environment (3 cr.)  
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
SPEA E440 Wetlands: Biology and Regulation (3 cr.)  
SPEA E442 Habitat Analysis—Terrestrial (3 cr.)  
SPEA E443 Habitat Analysis—Aquatic (3 cr.)  
SPEA E451 Air Pollution and Control (3 cr.)  
SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
SPEA E455 Limnology (4 cr.)  
SPEA E456 Lake and Watershed Management (3 cr.)  
SPEA E460 Fisheries and Wildlife Management (3 cr.)  
SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)  
SPEA E465 Environmental Management in the Tropics (3 cr.)  
SPEA E466 International Environmental Policy (3 cr.)  
SPEA E470 Elements of Fluid Mechanics (3 cr.)  
SPEA E475 Techniques of Environmental Science (3 cr.)  
SPEA E476 Environmental Law and Regulation (3 cr.)  
SPEA H316 Environmental Health (3 cr.)  
SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)  
SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)



**Legal Studies Requirements**

(Ten courses)

Both of the following courses:

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

SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)

Five of the following courses (three must be from SPEA):

SPEA E476 Environmental Law and Regulation (3 cr.)

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

SPEA V405 Public Law and the Legislative Process (3 cr.)

SPEA V406 Public Law and the Electoral Process (3 cr.)

SPEA V407 Public Law and Government Relations (3 cr.)

SPEA V456 Public Law Topics (3 cr.) *May be repeated for credit*

BUS L201 Legal Environment of Business (3 cr.) or

BUS L302 Commercial Law I (3 cr.)

BUS L303 Commercial Law II (3 cr.)

BUS L406 Employment Problems and the Law (3 cr.)

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

CJUS P371 Legal Aspects of Criminal Justice Systems II (3 cr.)

HPER R441 Legal Aspects of Recreation (3 cr.)

JOUR J300 Communications Law (3 cr.)

POLS Y211 Introduction to Law (3 cr.)

POLS Y304 American Constitutional Law I (3 cr.)

POLS Y305 American Constitutional Law II (3 cr.)

SOC S326 Law and Society (3 cr.)

Three of the following courses:

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 V456 Topics in Public Law (3 cr.) *May be repeated*

SPEA V460 Federalism, Intergovernmental Relations and Management (3 cr.)

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

**Management Requirements**

(Ten courses)

Note: Courses may be listed in more than one area below. However, no course will count more than once in the major.

One of the following courses:

SPEA V263 Public Management (3 cr.)

SPEA V362 Nonprofit Management and Leadership (3 cr.)

Each of the following courses:

SPEA V361 Financial Management (3 cr.)

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

SPEA V369 Managing Information Technology (3 cr.)

Six courses from the following, chosen in consultation with a faculty advisor:

SPEA E363 Environmental Management (3 cr.)

SPEA H320 Health Systems Administration (3 cr.)

SPEA V263 Public Management (3 cr.)

SPEA V340 Urban Government Administration (3 cr.)

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

SPEA V348 Management Science (3 cr.)

SPEA V362 Nonprofit Management and Leadership (3 cr.)

SPEA V368 Managing Government Operations (3 cr.)

SPEA V371 Financing Public Affairs (3 cr.)

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

SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)

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

SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)

SPEA V436 Communication for Government and Nonprofit Organizations (3 cr.)

SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*SPEA V442 Topics in Budgeting or Cost-Benefit (3 cr.) *May be repeated*

SPEA V447 Federal Budget Policy (3 cr.)

SPEA V452 Topics in Public Management (3 cr.) *May be repeated*

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

SPEA V460 Federalism, Intergovernmental Relations, and Management (3 cr.)

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

SPEA V462 Community Development (3 cr.)

SPEA V463 Interpersonal Relations in the Workplace (1-4 cr.)

SPEA V471 Urban Management Systems (3 cr.)

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

SPEA V473 Management Applications Seminar (3 cr.)

**Policy Studies Requirements**

(eleven courses)

Take whichever of the following you didn't take in the General Education requirements:

Math M118 Finite Mathematics (3 cr.)

Math M119 Brief Survey of Calculus I (3 cr.) or

Math M211 Calculus I (4 cr.)

Each of the following courses:

SPEA V348 Management Science (3 cr.)

SPEA V370 Research Methods and Statistical Modeling (3 cr.)

SPEA V386 Case Studies for Policy Analysis (3 cr.)

SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)

SPEA V449 Policy Senior Seminar (3 cr.)

Five courses from the following, chosen in consultation with a faculty advisor:

SPEA E340 Environmental Economics and Finance (3 cr.)

SPEA E466 International and Comparative Environmental Policy (3 cr.)

SPEA H316 Environmental Health Policy (3 cr.)

SPEA V369 Managing Information Technology (3 cr.)

SPEA V371 Financing Public Affairs (3 cr.)

SPEA V405 Public Law and the Legislative Process (3 cr.)

SPEA V406 Public Law and the Electoral Process (3 cr.)

SPEA V407 Public Law and Government Relations (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)

SPEA V422 Transportation Policy Analysis (3 cr.)

SPEA V447 Federal Budget Policy (3 cr.)

SPEA V451 Social Policy and the Aging (3 cr.)

SPEA V453 Topics in Public Policy Analysis (3 cr.) *May be repeated*

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

SPEA V460 Federalism, Intergovernmental Relations and Management (3 cr.)

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

SPEA V462 Community Development (3 cr.)

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

**Public Financial Management Requirements**

(ten courses)

Each of the following courses:

BUS A201 Introduction to Financial Accounting (3 cr.)

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

SPEA V361 Financial Management (3 cr.)

SPEA V386 Case Studies for Policy Analysis (3 cr.)

SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)

SPEA V447 Federal Budget Policy (3 cr.)

Take four of the following courses:

SPEA E340 Environmental Economics and Finance (3 cr.)

SPEA H352 Health Finance and Budgeting (3 cr.)

SPEA H353 Advanced Health Finance and Budgeting (3 cr.)

SPEA H354 Health Economics (3 cr.)

SPEA V348 Management Science (3 cr.)

SPEA V369 Managing Information Technology (3 cr.)

SPEA V421 Metropolitan Development (3 cr.)

SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*

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

SPEA V462 Community Development (3 cr.)

**Bachelor of Science in Public Health**

This 120 credit hour degree program offers a major in Health Administration.

**DEGREE REQUIREMENTS**

Students must satisfy requirements in four main areas: general education, electives, a public health core, and health administration.

**General Education****Communications**

(Three courses for a minimum of 9 credit hours)

The following writing course:

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

One of the following courses:

ENG W231 Professional Writing Skills (3 cr.)

ENG W240 Community Service Writing (3 cr.)

BUS X204 Business Communications (3 cr.)

One of the following oral communication courses:

CMCL S121 Public Speaking (3 cr.)

CMCL S122 Interpersonal Communication (3 cr.)

CMCL S205 Introduction to Communication and Culture (3 cr.)

CMCL S223 Business and Professional Communication (3 cr.)

CMCL S225 Discussion and Decision Making (3 cr.)

CMCL S228 Argumentation and Debate (3 cr.)

CMCL S229 Discussion and Group Methods (3 cr.)

**Social Sciences and Humanities**

(Five courses for a minimum of 15 credit hours)

The following courses:

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

POLS Y103 Introduction to American Politics (3 cr.)

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

Anthropology

Geography

Journalism



Linguistics  
Political science  
Psychology  
Sociology

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

Afro-American studies  
Central Eurasian studies  
Classical studies  
Communications and culture  
Comparative literature  
English  
Fine arts  
Folklore  
Foreign languages and literature  
History  
History and philosophy of science  
Musicology and music history  
Philosophy  
Religious studies  
Theatre and drama

#### Natural Sciences

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

ANAT A215 Basic Human Anatomy (5 cr.)  
BIOL L100 Humans and the Biological World (5 cr.)  
BIOL L104 Introductory Biology Lectures (3 cr.)  
BIOL L212 The Biology of Food (3 cr.)  
BIOL P202 Topics in Human Biology (3 cr.)  
PHSL P215 Basic Mammalian Physiology (5 cr.)  
CHEM C101 Elementary Chemistry I with Laboratory (C121) (5 cr.)  
CHEM C102 Elementary Chemistry II with Laboratory (C122) (5 cr.)  
CHEM C105 Principles of Chemistry I with Laboratory (C125) (5 cr.)  
CHEM C106 Principles of Chemistry II with Laboratory (C126) (5 cr.)  
MSCI M131 Disease and the Human Body (3 cr.)

#### Quantitative Methods

Three courses for a minimum of 9 credit hours

One of the following courses:

SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI A110 Introduction to Microcomputers and Computing (3 cr.)  
CSCI A107 Advanced Computing: Programming within Applications (3 cr.)  
CSCI A201 Introduction to Programming I (4 cr.)

One of the following courses:

MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus (3 cr.)  
MATH M211 Calculus I (4 cr.)

One of the following courses:

SPEA/CJUS/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E370 Statistical Analysis for Business and Economics (3 cr.)  
MATH/PSY K310 Statistical Techniques (3 cr.)  
SOC S250 Methods and Statistics I (3 cr.)

#### Electives

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

#### Public Health Core

(Six courses)

SPEA V160 National and International Policy (3 cr.)  
SPEA H316 Environmental Health (3 cr.)  
SPEA H320 Health Systems Administration (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
HPER H311 Human Diseases and Epidemiology (3 cr.)  
HPER C403 Techniques of Public Health Education (3 cr.)

#### Health Administration Requirements

(13 courses)

The following seven courses:

SPEA H352 Health Finance and Budgeting (3 cr.)  
SPEA H353 Advanced Health Finance and Budgeting (3 cr.)  
SPEA H354 Health Economics (3 cr.)  
SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
SPEA H465 Public Health Practicum (2 cr.)  
SPEA H474 Health Administration Seminar (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)

One of the following two courses:

SPEA H466 Public Health Field Experience (1 cr.)  
SPEA V380 Internship in Public and Environmental Affairs (2-6 cr.)

Five of the following courses:

SPEA H401 Strategic Planning for Health Care Organizations (3 cr.)  
SPEA H402 Hospital Administration (3 cr.)  
SPEA H411 Long-Term Care Administration (3 cr.)  
SPEA H432 Health Care Marketing (3 cr.)  
SPEA H455 Topics in Public Health (3 cr.) *May be repeated*

SPEA H456 Managed Care (3 cr.)  
SPEA V432 Labor Relations in the Public Sector (3 cr.)  
BUS N300 Principles of Risk and Insurance (3 cr.) or BUS N320 Property-Liability Insurance (3 cr.)  
HPER H318 Drug Use in American Society (3 cr.)  
HPER H320 The Nature of Cancer (3 cr.)  
PSY P320 Social Psychology (3 cr.) or  
PSY P324 Abnormal Psychology (3 cr.)

## Bachelor of Science in Environmental Science

The Bachelor of Science in Environmental Science, which is offered jointly by the College of Arts and Sciences and the School of Public and Environmental Affairs, is intended to instill an appreciation of the integrated nature of the environmental science field as well as supply a level of expertise in one of several areas.

#### DEGREE REQUIREMENTS

Students must complete a set of fundamental skills and distribution requirements, a core curriculum, a concentration in a particular branch of environmental science, and a sufficient number of elective hours to reach the minimum of 122 credit hours.

**Fundamental Skills Requirements** (Credit hours vary depending on course selection.)

ENG W231 Professional Writing Skills (3 cr.)  
An Intensive Writing course—satisfied by the major  
Fundamental Mathematics—satisfied by the major  
CMCL S121 Public Speaking (3 cr.) or approved option  
First-Year Foreign Language (8 cr.)

**Distribution Requirements** (Credit hours vary depending on course selection.)

#### Arts and Humanities

(Two courses for a minimum of 6 credit hours)

One must be designated as an Arts and Humanities credit by the College of Arts and Sciences. The second is COAS E103 Topics course (3 cr.)

#### Social and Historical Studies

(Three courses for a minimum of 9 credit hours)

One of the following:

ECON E201 Introduction to Microeconomics (3 cr.)  
ECON E202 Introduction to Macroeconomics (3 cr.)

ECON E364 Environment and Resource Economics (3 cr.)  
POLS Y103 Introduction to American Politics (3 cr.)  
POLS Y313 Environmental Policy (3 cr.)

One of the following:

SPEA V263 Public Management (3 cr.)  
SPEA V371 Financing Public Affairs (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
SPEA V449 Policy Senior Seminar (3 cr.)  
SPEA V472 Policy Processes in the U.S. (3 cr.)

The following course:

COAS E104 Topics in Social and Behavioral Science (3 cr.)

**Natural and Mathematical Sciences**—satisfied by the major

**Core Requirements** (61-63 credit hours)

**School of Public and Environmental Affairs** (Two courses)

SPEA E272 Introduction to Environmental Sciences (3 cr.)

SPEA E490 Directed Research in Environmental Science (3 cr.)

#### Biology (Two courses)

Nonbiology emphasis in concentration  
BIOL M310 Microbiology (3 cr.)  
BIOL M315 Microbiology Laboratory (2 cr.)

Biology emphasis in concentration

BIOL L318 Evolution (3 cr.)  
BIOL L473 Ecology (3 cr.)

#### Chemistry (Four courses)

Note: Students who did not earn at least a B- in high school chemistry should enroll in CHEM C101 and C121 before starting the required chemistry courses.

CHEM C102 Elementary Chemistry II (3 cr.)  
CHEM C122 Elementary Chemistry Laboratory II (2 cr.)  
CHEM C315 Chemical Measurements Laboratory I (3 cr.)  
CHEM C318 Spectrochemistry and Separations (2 cr.)

#### Computer Science (One course)

CSCI A202 Introduction to Programming II (4 cr.)

#### Geography (One course)

GEOG G304 Physical Meteorology and Climatology (3 cr.)

#### Geological Sciences (Two courses)

GEOL G225 Earth Materials (4 cr.)  
GEOL G329 Field Geology in the Rocky Mountains (6 cr.)

Note: Students with some concentrations may substitute two of the following for GEOL G329:



BIOL L465 Advanced Field Biology (3 cr.)  
SPEA E442 Habitat Analysis—Terrestrial (3 cr.)  
SPEA E443 Habitat Analysis—Aquatic (3 cr.)

Mathematics (Four courses)  
MATH M211 Calculus I (4 cr.)  
MATH M212 Calculus II (4 cr.)  
MATH M311 Calculus III (3-5 cr.)  
MATH M343 Introduction to Differential Equations with Applications I (3 cr.)

Note: Students with some concentrations may not be required to take Math M311 and M343.

Physics (Two courses)  
PHYS P221 Physics I (5 cr.)  
PHYS P222 Physics II (5 cr.)

Statistics (One course)  
One of the following:  
GEOG G488 Applied Spatial Statistics (3 cr.)  
MATH K300 Statistical Techniques (3 cr.)  
MATH M365 Introduction to Probability and Statistics (3 cr.)

Concentration Area (Minimum of 18 credit hours)

Whereas the core curriculum provides each student with a solid background in the basic subjects pertinent to the environmental sciences, the concentration is aimed at preparing students for graduate study or professional employment in specific fields. A partial list of the available topics includes atmospheric sciences, applied ecology, earth-system science, environmental toxicology, geochemistry, geophysics, hydrology, oceanic sciences, surface-water studies, and systems modeling. Additional topics can be defined in order to fit specific needs or opportunities. Each program must be approved by the Interdepartmental Committee.

## Associate of Science Degree Programs

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

1. Students must apply for admission to the Associate Degree Program before completing 35 credit hours of course work toward the degree. Applications are available in the records office.
2. A minimum of 60 credit hours with a 2.00 cumulative average or higher and a 2.30 average or higher in core and concentration courses is required. All requirements for

this degree must be satisfied before earning 86 credit hours.

3. A limited number of courses may be transferred from other accredited institutions or be taken through independent study.
4. Courses taken to meet specific degree requirements cannot be double counted (used to satisfy any other degree requirement).
5. A maximum of two elective courses may be taken pass-fail in this degree.

## Associate of Science in Public Affairs

Students must complete one of the following concentrations: Emergency Services Administration, Public Administration, or a specialized program approved by a SPEA advisor.

### DEGREE REQUIREMENTS

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

#### General Education

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

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

One of the following advanced writing courses:  
ENG W231 Professional Writing (3 cr.)  
ENG W240 Community Service Writing (3 cr.)  
BUS X204 Business Communications (3 cr.)

One of the following oral communication courses:  
CMCL S121 Public Speaking (3 cr.)  
CMCL S122 Interpersonal Communication (3 cr.)  
CMCL S223 Business and Professional Communication (3 cr.)  
CMCL S225 Discussion and Decision Making (3 cr.)  
CMCL S228 Argumentation and Debate (3 cr.)  
CMCL S229 Discussion and Group Methods (3 cr.)

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

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

One course from sociology or psychology

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

One of the following computer science courses:  
SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI A110 Introduction to Computers and Computing (3 cr.)  
CSCI A107 Advanced Microcomputing: Programming within Applications (3 cr.)  
CSCI A201 Introduction to Programming I (4 cr.)

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

#### Arts and Humanities

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

Afro-American studies  
Central Eurasian studies  
Classical studies  
Communications and culture  
Comparative literature  
English  
Fine arts  
Folklore  
Foreign languages and literature  
History  
History and philosophy of science  
Musicology and music history  
Philosophy  
Religious studies  
Theatre and drama

#### General Electives

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

#### Public Affairs Core

The following three courses:  
SPEA V160 National and International Policy (3 cr.)  
SPEA V161 Urban Problems and Solutions (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

One of the following courses:  
SPEA E162 Environment and People (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

#### Areas of Concentration

Each concentration requires four or five courses.

#### Emergency Services Administration Concentration

The Emergency Services Administration Concentration provides managerial skills to emergency service personnel.

Requirements (Five courses)

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

Three of the following courses:  
SPEA H320 Health Systems Administration (3 cr.)  
SPEA K300 Statistical Techniques (3 cr.) or other approved course  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V348 Management Science for Policy Analysis Methods (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)

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

Students are required to complete successfully an approved administrative field experience course of at least 3 credit hours. The field experience requirement may be satisfied through an internship or special project that must have an advisor's prior approval.

Public Administration Concentration  
The Public Administration Concentration provides an overview of the primary areas of public administration.

Requirements (Four courses)

Four of the following courses:  
SPEA H316 Environmental Health (3 cr.)  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)

#### Special Concentration

(Minimum of four courses)

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

## SPEA Minors

Any Indiana University student enrolled in a baccalaureate program, may pursue one or more of the minors offered by the School of



**Public and Environmental Affairs.** Individuals interested in one or more of these minors should inquire in the SPEA undergraduate advising office (SPEA 240) for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, health, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

#### General Policies and Procedures

Each minor requires 15 hours of specified courses with a 2.00 grade point average and none of the courses may be taken by correspondence through the Division of Extended Studies. Students may only double-count 6 of the required 15 credit hours in other SPEA major or minor requirements. Students may earn up to three minors from SPEA, but each minor must have at least nine hours that are not satisfying other major or minor requirements. SPEA courses not on the approved list for a specific minor may be substituted with SPEA faculty approval.

The following minor areas are available on the Bloomington campus:

**Public and Environmental Affairs,** Environmental Management, Environmental Science and Health, Health Systems Administration, Human Resources, Legal Studies, Management, Nonprofit Management, Policy Studies, and Public Finance.

#### Public and Environmental Affairs

##### Requirements (Five courses)

One of the following courses:

- SPEA V160 National and International Policy (3 cr.)
- SPEA V161 Urban Problems and Solutions (3 cr.)

One of the following courses:

- SPEA E162 Environment and People (3 cr.)
- SPEA E272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)
- SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*
- SPEA V263 Public Management (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)

#### SPEA V444 Public Administrative

Organization (3 cr.)

#### SPEA V450 Contemporary Issues in Public

Affairs (3 cr.) *May be repeated*

or other courses in public or environmental affairs approved by a SPEA advisor

#### Environmental Management Requirements (Five courses)

The following course:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)

One of the following courses:

- SPEA E311 Introduction to Risk Assessment and Risk Communication (3 cr.)
- SPEA E340 Environmental Economics and Finance (3 cr.)
- SPEA E363 Environmental Management (3 cr.)
- SPEA E465 Environmental Management in the Tropics (3 cr.)
- SPEA E466 International Environmental Policy (3 cr.)
- SPEA E476 Environmental Law and Regulation (3 cr.)

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

- SPEA E325 Computing for Environmental Scientists (2 cr.)
- SPEA E400 Topics in Environmental Studies (3 cr.) *May be repeated*
- SPEA E410 Introduction to Environmental Toxicology (3 cr.)
- SPEA E412 Risk Communication (3 cr.)
- SPEA E419 Applied Remote Sensing of the Environment (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 E456 Lake and Watershed Management (3 cr.)
- SPEA E460 Fisheries and Wildlife Management (3 cr.)
- SPEA E461 Fisheries and Wildlife Management Laboratory (3 cr.)
- SPEA E475 Techniques in Environmental Science (3 cr.)
- SPEA H316 Environmental Health (3 cr.)
- SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)
- SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)

#### Environmental Science and Health

##### Requirements (Five courses)

The following courses:

- SPEA H316 Environmental Health (3 cr.)
- POLS Y313 Environmental Policy (3 cr.)

Three of the following courses:

- SPEA E326 Mathematical Methods in Environmental Science (3 cr.)
  - SPEA E410 Introduction to 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.)
- or other courses in environmental science and health approved by a SPEA faculty advisor.

#### Health Systems Administration

##### Requirements (Five courses)

The following courses:

- SPEA H320 Health Systems Administration (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)

Three of the following courses:

- SPEA H352 Health Finance and Budgeting (3 cr.)
- SPEA H401 Strategic Planning for Health Care Organizations (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H432 Health Care Marketing (3 cr.)
- SPEA H455 Topics in Public Health (3 cr.) *May be repeated*
- SPEA V432 Labor Relations in the Public Sector (3 cr.)

#### Human Resources

##### Requirements (Five courses)

One of the following courses:

- SPEA V160 National and International Policy (3 cr.)
- SPEA V161 Urban Problems and Solutions (3 cr.)

Each of the following courses:

- SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)

One of the following courses:

- SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA V436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA V452 Topics in Public Management (3 cr.) *May be repeated*
- SPEA V463 Interpersonal Relations in the Workplace (1-4 cr.)

#### Legal Studies

##### Requirements (Five courses)

Both of the following courses:

- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V377 Legal Processes and Contemporary Issues in America (3 cr.)

Three of the following courses:

- SPEA V405 Public Law and the Legislative Process (3 cr.)
- SPEA V406 Public Law and the Electoral Process (3 cr.)
- SPEA V407 Public Law and Government Relations (3 cr.)
- SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA V456 Topics in Public Law (3 cr.) *May be repeated*

#### Management

##### Requirements (Five courses)

One of the following courses:

- SPEA V160 National and International Policy (3 cr.)
- SPEA V161 Urban Problems and Solutions (3 cr.)

The following course:

- SPEA V263 Public Management (3 cr.)

Three of the following courses:

- SPEA V340 Urban Government Administration (3 cr.)
- SPEA V361 Financial Management (3 cr.)
- SPEA V362 Nonprofit Management and Leadership (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- SPEA V368 Managing Government Operations (3 cr.)
- SPEA V369 Managing Information Technology (3 cr.)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA V436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA V452 Topics in Public Management (3 cr.) *May be repeated*
- SPEA V463 Interpersonal Relations in the Workplace (1-4 cr.)

#### Nonprofit Management

##### Requirements (Five courses)

One of the following courses:

- SPEA V160 National and International Policy (3 cr.)



SPEA V161 Urban Problems and Solutions (3 cr.)

The following course:

SPEA V362 Nonprofit Management and Leadership (3 cr.)

Three of the following courses:

SPEA H320 Health Systems Administration (3 cr.)

SPEA V263 Public Management (3 cr.)

SPEA V340 Urban Government Administration (3 cr.)

SPEA V356 Introduction to Nonprofit Accounting and Reporting (3 cr.)

SPEA V361 Financial Management (3 cr.)

SPEA V436 Communication in Government and Nonprofit Organizations (3 cr.)

SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*

SPEA V442 Topics in Budgeting or Cost-Benefit (3 cr.) *May be repeated*

SPEA V452 Topics in Public Management (3 cr.) *May be repeated*

SPEA V453 Topics in Policy Analysis (3 cr.) *May be repeated*

SPEA V462 Community Development (3 cr.)

SPEA V463 Interpersonal Relations in the Workplace (1-4 cr.)

## Policy Studies

Requirements (Five courses)

One of the following courses:

SPEA V160 National and International Policy (3 cr.)

SPEA V161 Urban Problems and Solutions (3 cr.)

Each of the following courses:

SPEA V348 Management Science (3 cr.)

SPEA V370 Research Methods and Statistical Modeling (3 cr.)

SPEA V386 Case Studies for Policy Analysis (3 cr.)

SPEA V401 Financial and Cost-Benefit Analysis (3 cr.)

## Public Finance

Requirements (Five courses)

Each of the following courses:

BUS A201 Introduction to Financial Accounting (3 cr.)

SPEA V346 Introduction to Government

Accounting and Financial Reporting (3 cr.)

SPEA V361 Financial Management (3 cr.)

SPEA V372 Government Finance and Budgets (3 cr.)

Plus one course chosen in consultation with a SPEA advisor.

## Area Certificate Programs

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

### General Requirements

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University are eligible to apply for a certificate at the SPEA Records Office (SPEA 253). Interested students must apply for a certificate before completing 15 credit hours (9 credit hours for public health and public management) of applicable course work.
2. SPEA students cannot earn an area certificate in the same area as their major.
3. A grade point average of 2.0 or higher is required in all course work credited toward the certificate.
4. The number of credits required for each certificate varies.
5. When all certificate requirements have been met and the student has a baccalaureate degree, the certificate will be awarded.

## Area Certificate in Environmental Studies

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

(Nine courses)

One course in chemistry or physics.

One of the following courses:

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

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

GEOG G111 Physical Geology (3 cr.)

The following courses:

BIOL L350 Environmental Biology (3 cr.)

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

POLS Y313 Environmental Policy (3 cr.)

SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*

Two additional courses selected from the following:

SPEA E272 Introduction to Environmental Sciences (3 cr.)

SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*

SPEA E455 Limnology (4 cr.)

SPEA H316 Environmental Health (3 cr.)

ANTH E427 Cultural Ecology (3 cr.)

BIOL L473 Ecology (3 cr.)

CHEM C101 Elementary Chemistry I (3 cr.) or CHEM C105 Principles of Chemistry I (3 cr.)

CHEM C341 Organic Chemistry Lectures I (3 cr.)

ECON E308 Survey of Public Finance (3 cr.)

ECON E385 Economics of Industry (3 cr.)

GEOG G235 Introductory Geographical Methods (3 cr.)

GEOG G304 Physical Meteorology and Climatology (3 cr.)

GEOG G315 Environmental Conservation (3 cr.)

GEOG G320 Population Geography (3 cr.)

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

GEOG G405 Hydroclimatology (3 cr.)

GEOG G407 Climate Dynamics (3 cr.)

GEOG G300 Environmental and Urban Geology (3 cr.)

GEOG G316 Mineral Fuels and Materials (3 cr.)

GEOG G406 Introduction to Geochemistry (3 cr.)

GEOG G415 Geomorphology (3-4 cr.)

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

HPER R372 Interpretive Resources and Techniques (3 cr.)

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

MATH/PSY K310 Statistical Techniques (3 cr.)

PHYS P201 General Physics I (5 cr.)

PHYS P120 Energy and Technology (3 cr.)

PHYS P310 Environmental Physics (3 cr.)

SOC S305 Population (3 cr.)

## Area Certificate in Public Affairs

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

## Certificate Requirements

(Nine courses)

The following courses:

SPEA V160 National and International Policy (3 cr.)

SPEA V161 Urban Problems and Solutions (3 cr.)

One of the following courses:

SPEA E162 Environment and People (3 cr.)

SPEA E272 Introduction to Environmental Sciences (3 cr.)

A total of two courses from groups A, B, and C, with no more than one course from any group.

A. *Organizational Behavior*

BUS Z300 Organizational Behavior and Leadership (3 cr.)

BUS Z301 Organizational Behavior and Leadership (3 cr.)

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

B. *Public Administration*

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

C. *Law*

SPEA V376 Law and Public Policy (3 cr.)

BUS L201 Legal Environment of Business (3 cr.)

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

POLS Y304 American Constitutional Law I (3 cr.)

POLS Y305 American Constitutional Law II (3 cr.)

Choose any four of the following courses:

*Public Affairs*

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

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

SPEA V348 Management Science (3 cr.)

SPEA V372 Government Finance and Budgets (3 cr.)

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

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

SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*

SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.) *May be repeated*

SPEA V444 Public Administrative Organization (3 cr.)

SPEA V447 Federal Budget Policy (3 cr.)

SPEA V449 Policy Senior Seminar (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

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



**Criminal Justice**

- CJUS P100 Introduction to Criminal Justice (3 cr.)  
 CJUS P381 History of Social Control in the U.S. (3 cr.)

**Geography**

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

**Political Science**

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

**Sociology**

- SOC S320 Deviant Behavior and Social Control (3 cr.)  
 SOC S325 Criminology (3 cr.)  
 SOC S326 Law and Society (3 cr.)  
 SOC S361 Cities and Suburbs (3 cr.)

## Area Certificate in Public Health

The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.

### Certificate Requirements

(Six courses)

The following three courses:

- SPEA H316 Environmental Health (3 cr.)  
 SPEA H320 Health Systems Administration (3 cr.)  
 HPER H311 Human Diseases and Epidemiology (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*  
 SPEA E410 Introduction to 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 H401 Strategic Planning for Health Care Organizations (3 cr.)  
 SPEA H402 Hospital Administration (3 cr.)  
 SPEA H411 Long-Term Care Administration (3 cr.)  
 SPEA H432 Health Care Marketing (3 cr.)

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

SPEA H455 Topics in Public Health (3 cr.) *May be repeated*

SPEA H456 Managed Care (3 cr.)

SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

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

## Area Certificate in Public Management

This curriculum provides students a systematic program in Public Management and gives them an understanding of how to work in and with public organizations.

### Certificate Requirements

(Six courses)

One of the following courses:

- SPEA V160 National and International Policy (3 cr.)  
 POLS Y103 Introduction to American Politics (3 cr.)

Four of the following courses:

- SPEA V361 Financial Management (3 cr.)  
 SPEA V362 Nonprofit Management and Leadership (3 cr.)  
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
 SPEA V368 Managing Government Operations (3 cr.)  
 SPEA V369 Managing Information Technology (3 cr.)  
 SPEA V372 Government Finance and Budgets (3 cr.)  
 SPEA V373 Personnel Management in the Public Sector (3 cr.)  
 SPEA V376 Law and Public Policy (3 cr.)  
 SPEA V432 Labor Relations in the Public Sector (3 cr.)  
 SPEA V436 Communication for Government and Nonprofit Organizations (3 cr.)  
 SPEA V452 Topics in Public Management (3 cr.)  
 SPEA V463 Interpersonal Relations in the Workplace (1-4 cr.)

## Area Certificate in Urban Studies

The undergraduate Urban Studies Certificate Program introduces students to selected aspects of current thinking and research in urban life and development.

### Certificate Requirements

(Eight courses)

The following three courses:

- SPEA K300 Statistical Techniques or approved option (3 cr.)  
 SPEA V161 Urban Problems and Solutions (3 cr.)  
 SPEA V421 Metropolitan Development (3 cr.)

Two courses from one of the following groups:

**Urban Administration**

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

**Urban Economics**

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

**Urban Finance**

- SPEA V372 Government Finance and Budgets (3 cr.)  
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.)

**Urban Land**

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

**Urban Policy Analysis**

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

**Urban Services Delivery Systems**

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

**Urban Society**

- SOC S309 The Community (3 cr.)  
 SOC S361 Cities and Suburbs (3 cr.)

**Urban Structure**

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

**Urban Transportation**

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

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

- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.)  
 ANTH E380 Urban Anthropology (3 cr.)  
 GEOL G300 Environmental and Urban Geology (3 cr.)  
 GEOG G417 Land Use Analysis (3 cr.)  
 HIST A347 American Urban History (3 cr.)

## American Humanics Certification

The School of Public and Environmental Affairs offers certification in nonprofit management in partnership with American Humanics, Inc. This certification prepares undergraduate college students for professional careers in the expanding job market of nonprofit and youth and human service organizations. Upon completion of the program, students will be certified for possible positions of leadership with collaborating organizations such as the YMCA, American Red Cross, Big Brothers Big Sisters, Habitat for Humanity, and many other nonprofit agencies at both the local and national level.

This certificate program requires the demonstration of a prescribed set of knowledge and skill competencies and the completion of a 300-hour internship program. These competencies may be obtained through completion of a set of courses, professional workshops, and the internship.

Students interested in learning more about the certificate should contact the American Humanics director in SPEA or a SPEA academic advisor.

## Environmental Studies Major

Environmental studies as a second major is available only to students working toward a B.A. degree in the College of Arts and Sciences on the Bloomington campus. The program includes a multidisciplinary study of the effects of population growth, resource utilization, energy generation, and agricultural systems, as well as the emergence of the environment as a focus of public policy.

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

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



## Indianapolis Programs

### Bachelor of Science Degree Programs

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

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

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

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

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

### Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours.

#### DEGREE REQUIREMENTS

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

#### General Education

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

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

One of the following:  
ENG W231 Professional Writing Skills (3 cr.)  
BUS X204 Business Communications (3 cr.)

One of the following speech courses:  
COMM C104 Voice and Diction (3 cr.)  
COMM R110 Fundamentals of Speech Communication (3 cr.)  
COMM C180 Introduction to Interpersonal Communication (3 cr.)  
COMM C223 Business and Professional Communication (3 cr.)  
COMM R227 Argumentation and Debate (3 cr.)  
COMM C228 Discussion and Group Methods (3 cr.)

**Arts and Humanities**  
(Five courses for a minimum of 15 credit hours)

The following two courses:  
HIST H105 American History I (3 cr.)  
HIST H106 American History II (3 cr.)

Three courses from at least two of the following subject areas:  
Afro-American studies  
Classical studies  
Communication and theatre  
Comparative literature  
English  
Fine arts  
Folklore  
Foreign languages and literature  
History  
Musicology and music history  
Philosophy  
Religious studies

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

One of the following:  
SPEA V371 Financing Public Affairs (3 cr.)  
ECON E308 Survey of Public Finance (3 cr.)

Two courses from the following areas:

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

**Natural Sciences**  
(Two to four courses for a minimum of 10 credit hours selected from the following departments.)

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

**Biology**  
BIOL N100 Contemporary Biology (3 cr.)  
BIOL N107 Introduction to Zoology (3 cr.)  
  
**Chemistry**  
CHEM C101 Elementary Chemistry I (5 cr.)  
CHEM C102 Elementary Chemistry II (5 cr.)  
CHEM C105 Principles of Chemistry I (5 cr.)  
CHEM C106 Principles of Chemistry II (3-5 cr.)

**Earth Sciences**  
GEOG G107 Physical Systems of the Environment (3 cr.)  
GEOL G107 Environmental Geology (3 cr.)  
GEOL G109 Fundamentals of Earth History (3 cr.)  
GEOL G110 Physical Geology (3 cr.)

**Physics**  
PHYS 200 Our Physical Environment (3 cr.)  
PHYS 218 General Physics (4 cr.)

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

One of the following computer courses:  
SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)  
CSCI 207 Computers in the Social Sciences (3 cr.)  
CSCI 208 The Computer in Business (3 cr.)  
CPT 115 Introduction to Data Processing (3 cr.) and CPT 140 Introduction to Computer Lab I (1 cr.)

Two of the following mathematics courses:  
MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus I (3 cr.)  
MATH 163 Integrated Calculus and Analytic Geometry I (5 cr.)  
MATH 164 Integrated Calculus and Analytic Geometry II (5 cr.)

One of the following statistics courses:  
SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
PSY B305 Statistics (3 cr.)  
SOC R359 Introduction to Sociological Statistics I (3 cr.)  
STAT 301 Elementary Statistical Methods I (3 cr.)

#### General Electives

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

#### Public Affairs Core

(Seven courses)  
SPEA V170 Introduction to Public Affairs (3 cr.)  
SPEA V263 Public Management (3 cr.)  
SPEA V264 Urban Structure and Policy (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)  
SPEA V348 Management Science (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

#### Areas of Concentration

Each concentration requires six courses.

#### Criminal Justice

The following four courses:  
SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)  
SPEA J301 Substantive Criminal Law (3 cr.)  
SPEA J439 Crime and Public Policy (3 cr.)

Two of the following courses:  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

#### Management

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

Two additional courses chosen from the following:  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)



- SPEA V373 Personnel Management in the Public Sector (3 cr.)  
 SPEA V432 Labor Relations in the Public Sector (3 cr.)  
 SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*  
 SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.) *May be repeated*  
 SPEA V444 Public Administration Organization (3 cr.)  
 SPEA V449 Policy Senior Seminar (3 cr.)  
 SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*  
 SPEA V457 Management Science in the Public Sector (3 cr.)  
 SPEA V461 Computer Applications in Public Affairs (3 cr.) or other courses chosen in consultation with a faculty advisor.

### Urban Affairs

- The following two courses:  
 SPEA V365 Urban Development and Planning (3 cr.)  
 SPEA V421 Metropolitan Development (3 cr.)

Two urban-oriented courses offered elsewhere in the university, such as:

- ANTH E380 Urban Anthropology (3 cr.)  
 BUS R300 Real Estate (3 cr.)  
 ECON E323 Urban Economics (3 cr.)  
 GEOG G318 Geography of Cities and Metropolitan Areas (3 cr.)  
 GEOG G314 Urban Geography (3 cr.)  
 HIST A347 American Urban History (3 cr.)  
 POLS Y308 Urban Politics (3 cr.)  
 SOC R329 Urban Sociology (3 cr.)

Two additional courses chosen in consultation with a faculty advisor.

### Specialized Study in Public and Environmental Affairs

Students are required to have a 3.00 cumulative grade point average and to request permission to pursue this specialized study before completing two courses toward the concentration.

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

## Bachelor of Science in Public Health

This 120 credit hour degree program has two concentrations: Environmental Science and Health, and Health Administration.

### DEGREE REQUIREMENTS

Students must satisfy requirements in four main areas: general education, electives, a

public health core, and one of the two concentrations.

### General Education

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

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

One of the following courses:  
 ENG W231 Professional Writing Skills (3 cr.)  
 BUS X204 Business Communications (3 cr.)

One of the following speech courses:  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 COMM C180 Introduction to Interpersonal Communication (3 cr.)  
 COMM C223 Business and Professional Communication (3 cr.)  
 COMM R227 Argumentation and Debate (3 cr.)  
 COMM C228 Discussion and Group Methods (3 cr.)

Social Sciences and Humanities  
 (Five courses for a minimum of 15 credit hours)

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

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

- Anthropology  
 Geography  
 Journalism  
 Linguistics  
 Political science  
 Psychology  
 Sociology

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

- Afro-American studies  
 Classical studies  
 Communication and theatre  
 Comparative literature  
 English  
 Fine arts  
 Folklore  
 Foreign languages and literature  
 History  
 Musicology and music history  
 Philosophy  
 Religious studies

### Natural Sciences

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

- BIOL N212 Human Biology (2 cr.) and  
 BIOL N213 Human Biology Laboratory (1 cr.)  
 BIOL N214 Human Biology (2 cr.) and  
 BIOL N215 Human Biology Laboratory (1 cr.)  
 BIOL N217 Human Physiology (5 cr.)  
 BIOL N261 Human Anatomy (5 cr.)  
 CHEM C101 Elementary Chemistry I with Laboratory (5 cr.)  
 CHEM C102 Elementary Chemistry II with Laboratory (5 cr.)  
 CHEM C105 Principles of Chemistry I with Laboratory (5 cr.)  
 CHEM C106 Principles of Chemistry II with Laboratory (5 cr.)

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

### Quantitative Methods

Three courses for a minimum of 9 credit hours

- One of the following courses:  
 SPEA V261 Computers in Public Affairs (3 cr.)  
 CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)  
 CSCI 207 Computer in the Social Sciences (3 cr.)  
 CSCI 208 The Computer in Business (3 cr.)  
 CPT 115 Introduction to Data Processing (3-5 cr.) and CPT 140 Introduction to Computer Lab (1 cr.)

One of the following courses:  
 Note: Environmental science and health students must take a calculus course.

- MATH M118 Finite Mathematics (3 cr.)  
 MATH M119 Brief Survey of Calculus (3 cr.)

- One of the following courses:  
 SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
 PSY B305 Statistics (3 cr.)  
 SOC R359 Introduction to Sociological Statistics (3 cr.)  
 STAT 301 Elementary Statistical Methods (3 cr.)

### Electives

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

### Public Health Core

(Six courses)

- SPEA V170 Introduction to Public Affairs (3 cr.)  
 SPEA H316 Environmental Health (3 cr.)  
 SPEA H320 Health Systems Administration (3 cr.)  
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
 SPEA H322 Principles of Epidemiology (3 cr.)  
 SPEA H342 Community Health Education (3 cr.)

### Areas of Concentration

Environmental Science and Health  
 (13 courses)

The following seven courses:

- BIOL N100 Contemporary Biology (3 cr.)  
 SPEA E326 Mathematical Methods in Environmental Science (3 cr.)  
 SPEA H416 Environmental Health Policy (3 cr.)  
 SPEA H460 Techniques in Environmental Health (3 cr.)  
 SPEA H465 Public Health Practicum (2 cr.)  
 SPEA V372 Government Finance and Budgets (3 cr.)  
 SPEA V373 Personnel Management in the Public Sector (3 cr.)

One of the following two courses:

- SPEA H466 Public Health Field Experience (1 cr.)  
 SPEA V380 Internship in Public and Environmental Affairs (2-6 cr.)

Five of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*  
 SPEA E410 Introduction to Environmental Toxicology (3 cr.)  
 SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
 SPEA E451 Air Pollution and Control (3 cr.)  
 SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
 SPEA H428 Food Science and Sanitation (3 cr.)  
 SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)  
 SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*  
 CHEM C341 Organic Chemistry I (3 cr.)  
 GEOL G430 Principles of Hydrology (4 cr.)  
 GEOG G404 Soils Geography (3 cr.)  
 Or other courses chosen in consultation with a faculty advisor

Health Administration  
 (13 courses)

The following seven courses:

- BUS A200 Foundations of Accounting (3 cr.)  
 SPEA H352 Health Finance and Budgeting (3 cr.)



SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)  
 SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
 SPEA H465 Public Health Practicum (2 cr.)  
 SPEA H474 Health Administration Seminar (3 cr.)  
 SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)

One of the following two courses:  
 SPEA H466 Public Health Field Experience (1 cr.)  
 SPEA V380 Internship in Public and Environmental Affairs (2-6 cr.)

Five of the following courses:  
 SPEA H401 Strategic Planning for Health Care Organizations (3 cr.)  
 SPEA H402 Hospital Administration (3 cr.)  
 SPEA H411 Long-Term Care Administration (3 cr.)  
 SPEA H432 Health Care Marketing (3 cr.)  
 SPEA H455 Topics in Public Health (approved topics) (3 cr.) *May be repeated*  
 SPEA V432 Labor Relations in the Public Sector (3 cr.)  
 SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*  
 BUS N300 Principles of Risk and Insurance (3 cr.)  
 SOC R381 Social Factors in Health and Illness (3 cr.)  
 SOC R382 Social Organization of Health Care (3 cr.)

## Bachelor of Science in Health Services Management

This 120 credit hour degree is intended for people who hold an associate degree from an accredited institution and have experience in a health care field. Students who complete this degree are eligible to sit for the Long-Term Care Administrators Examination after they have fulfilled the Administrator-in-Training requirement.

### DEGREE REQUIREMENTS

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

#### General Education

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

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

One of the following:  
 ENG W231 Professional Writing Skills (3 cr.)  
 BUS X204 Business Communications (3 cr.)

One of the following speech courses:  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 COMM C180 Introduction to Interpersonal Communication (3 cr.)  
 COMM C223 Business and Professional Communication (3 cr.)  
 COMM R227 Argumentation and Debate (3 cr.)  
 COMM C228 Discussion and Group Methods (3 cr.)

**Arts and Humanities**  
 (One course for a minimum of 3 credit hours from any of the following subject areas)  
 Afro-American studies  
 Classical studies  
 Communication and theatre  
 Comparative literature  
 English  
 Fine arts  
 Folklore  
 Foreign languages and literature  
 History  
 Musicology and music history  
 Philosophy  
 Religious studies

**Social Sciences**  
 (Four courses for a minimum of 12 credit hours)

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

One approved course from one of the following subject areas:  
 Anthropology  
 Geography  
 Journalism  
 Linguistics  
 Political science  
 Psychology  
 Sociology

**Natural Sciences**  
 (Two courses with labs for a minimum of 6 credit hours)

The following courses:  
 BIOL N212 Human Biology (2 cr.) and  
 BIOL N213 Human Biology Laboratory (1 cr.)  
 BIOL N214 Human Biology (2 cr.) and  
 BIOL N215 Human Biology Laboratory (1 cr.)

**Quantitative Methods**  
 (Three courses for a minimum of 9 credit hours)

One computer course:  
 SPEA V261 Computers in Public Affairs (3 cr.) or approved option

One of the following courses:  
 MATH M118 Finite Mathematics (3 cr.)  
 MATH M119 Brief Survey of Calculus (3 cr.)  
 MATH 163 Integrated Calculus and Analytic Geometry I (3 cr.)

One of the following courses:  
 SPEA K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.) or approved option

#### General Electives

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

#### Management Core

The following four courses:  
 SPEA V263 Public Management (3 cr.)  
 SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
 SPEA V348 Management Science (3 cr.)  
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)

#### Health Services Management Concentration

(nine courses)

The following five courses:  
 SPEA H316 Environmental Health (3 cr.)  
 SPEA H320 Health Systems Administration (3 cr.)  
 SPEA H322 Principles of Epidemiology (3 cr.)  
 SPEA H352 Health Finance and Budgeting (3 cr.)  
 SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)

Four of the following courses:  
 SPEA H402 Hospital Administration (3 cr.)  
 SPEA H411 Long-Term Care Administration (3 cr.)  
 SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
 SPEA H455 Topics in Public Health (3 cr.) *May be repeated*  
 SPEA H474 Health Administration Seminar (3 cr.)

## Bachelor of Science in Criminal Justice

The Bachelor of Science in Criminal Justice requires 120 credit hours.

### DEGREE REQUIREMENTS

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

#### General Education

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

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

One of the following:  
 ENG W231 Professional Writing Skills (3 cr.)  
 BUS X204 Business Communications (3 cr.)

One of the following speech courses:  
 COMM C104 Voice and Diction (3 cr.)  
 COMM R110 Fundamentals of Speech Communication (3 cr.)  
 COMM C180 Introduction to Interpersonal Communication (3 cr.)  
 COMM C223 Business and Professional Communication (3 cr.)  
 COMM R227 Argumentation and Debate (3 cr.)  
 COMM C228 Discussion and Group Methods (3 cr.)

**Quantitative Methods**  
 (Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:  
 MATH M118 Finite Mathematics (3 cr.)  
 MATH M119 Brief Survey of Calculus I (3 cr.)  
 MATH 163 Integrated Calculus and Analytic Geometry I (5 cr.)  
 Other approved mathematics courses.

One of the following statistics courses:  
 SPEA K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
 SOC R359 Introduction to Sociological Statistics (3 cr.)  
 Other approved statistics courses.

One of the following computer courses:  
 SPEA V261 Computers in Public Affairs (3 cr.)  
 BUS K201 The Computer in Business (3 cr.)  
 CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)  
 CSCI 207 Computers in the Social Sciences (3 cr.)  
 CSCI 208 The Computer in Business (3 cr.)  
 CPT 115 Introduction to Data Processing (3 cr.) and CPT 140 Introduction to Computer Lab I (1 cr.)  
 Or other approved computer course.

**Arts and Humanities**  
 (Four courses for a minimum of 12 credit hours)



Two of the following courses:

- HIST H105 American History I (3 cr.)
- HIST H106 American History II (3 cr.)
- POLS Y304 American Constitutional Law I (3 cr.)
- POLS Y305 American Constitutional Law II (3 cr.)

Two courses selected from the following subject areas not used to satisfy another degree requirement:

- Afro-American studies
- Classical studies
- Communication and theatre
- Comparative literature
- English
- Fine arts
- Foreign languages and literature
- Folklore
- History
- Musiology and music history
- Philosophy
- Religious studies

#### Natural Sciences

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

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

#### Social and Behavioral Sciences

(Five courses for a minimum of 15 credit hours)

- Four of the following courses:
- PSY B104 Psychology as a Social Science (3 cr.)
- PSY B380 Abnormal Psychology (3 cr.)
- SOC R100 Introduction to Sociology (3 cr.)
- SOC R121 Social Problems (3 cr.)
- SOC R344 Juvenile Delinquency and Society (3 cr.)
- SOC R345 Crime and Society (3 cr.)
- SOC R346 Control of Crime (3 cr.)

One course selected from the following subject areas:

- Anthropology
- Economics
- Political science

#### General Electives

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

#### Public Affairs and Policy

Four of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)
  - SPEA V170 Introduction to Public Affairs (3 cr.)
  - SPEA V263 Public Management (3 cr.)
  - SPEA V264 Urban Structure and Policy (3 cr.)
  - SPEA V348 Management Science (3 cr.)
  - SPEA V372 Government Finance and Budgets (3 cr.)
  - SPEA V376 Law and Public Policy (3 cr.)
- Or additional courses approved in consultation with an advisor.

#### Criminal Justice Concentration

(Ten courses)

SPEA J101 The American Criminal Justice System (3 cr.) This is a required elective and the prerequisite for all criminal justice courses.

The following seven courses:

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

Three other criminal justice courses chosen in consultation with an advisor.

## Associate of Science Degree Programs

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

1. Students must apply for admission to the Associate Degree Program before completing 35 credit hours of course work toward the degree. Applications are available in the records office.
2. A minimum of 60 credit hours with a 2.00 cumulative average or higher and a 2.30 average or higher in core and concentration courses is required. All requirements for this degree must be satisfied before earning 86 credit hours.

3. A limited number of courses may be transferred from other accredited institutions or be taken through independent study.
4. Courses taken to meet specific degree requirements cannot be double counted (used to satisfy any other degree requirement).
5. A maximum of two elective courses may be taken pass-fail in this degree.

## Associate of Science in Criminal Justice

### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

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

The following writing course:

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

One of the following:

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

One of the following speech courses:

- COMM C104 Voice and Diction (3 cr.)
- COMM R110 Fundamentals of Speech Communication (3 cr.)
- COMM C180 Introduction to Interpersonal Communication (3 cr.)
- COMM C223 Business and Professional Communication (3 cr.)
- COMM R227 Argumentation and Debate (3 cr.)
- COMM C228 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

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

- Afro-American studies
- Classical studies
- Communication and theatre
- Comparative literature
- English
- Fine arts
- Folklore
- Foreign languages and literature
- History: H105 or H106 recommended
- Musiology and music history
- Philosophy
- Religious studies

#### Social and Behavioral Sciences

(Two courses, for a minimum of 6 credit hours, from two different subject areas.)

- Anthropology
- Economics

- Geography
- Journalism
- Linguistics
- Political science
- Psychology
- Sociology

#### Natural Sciences

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

- Anatomy and physiology
- Astronomy
- Biology
- Botany
- Chemistry
- Geology
- Physics
- Zoology

Or one of the following cross-listed courses:

- GEOG G107 Physical Systems of the Environment (3 cr.)
- GEOG C303 Weather and Climate (3 cr.)
- GEOG G304 Meteorology and Climatology (3 cr.)

#### Quantitative Methods (one course)

An approved course (must be at least 3 credit hours) from one of the following subject areas:

- Computer science
- Mathematics
- Statistics

#### General Electives

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

#### Public Policy

The following course:

- SPEA V170 Introduction to Public Affairs (3 cr.)

#### Criminal Justice Concentration

(Six courses)

The following course:

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

Three of the following courses:

- SPEA J301 Substantive Criminal Law (3 cr.) or SPEA J401 Criminal Law and Procedure (3 cr.)
- SPEA J306 The Criminal Courts (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J331 Introduction to Corrections (3 cr.)

Two additional SPEA criminal justice courses (6 cr.)

- SPEA J201 and SPEA J202 recommended



## Associate of Science in Public Affairs

Students must complete one of the following concentrations: Criminal Justice, Emergency Services Administration, Environmental Affairs, Public Administration, or a specialized program approved by a SPEA advisor.

### DEGREE REQUIREMENTS

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

#### General Education

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

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

One of the following advanced writing courses:  
ENG W231 Professional Writing (3 cr.)  
BUS X204 Business Communications (3 cr.)

One of the following speech courses:  
COMM C104 Voice and Diction (3 cr.)  
COMM R110 Fundamentals of Speech Communication (3 cr.)  
COMM C180 Introduction to Interpersonal Communication (3 cr.)  
COMM C223 Business and Professional Communication (3 cr.)  
COMM R227 Argumentation and Debate (3 cr.)  
COMM C228 Discussion and Group Methods (3 cr.)

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

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

One course from sociology or psychology

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

One of the following computer science courses:  
SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI 201 Computer Literacy: Applications and Concepts (3 cr.)  
CSCI 207 Computers in the Social Sciences (3 cr.)  
CSCI 208 The Computer in Business (3 cr.)

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

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

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

**Arts and Humanities**  
(One course from one of the following subject areas for a minimum of 3 credit hours.)  
Afro-American studies  
Classical studies  
Communication and theatre  
Comparative literature  
English  
Fine arts  
Folklore  
Foreign languages and literature  
History: H105 or H106 recommended  
Musicology and music history  
Philosophy  
Religious studies

#### General Electives

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

#### Public Affairs Core

(Four courses)

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

One of the following courses:  
SPEA E262 Environment: Problems and Prospects (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

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

#### Areas of Concentration

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

Requirements (Five courses)

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

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

One of the following courses:  
SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

Two additional criminal justice courses.

**Emergency Services Administration Concentration**  
The Emergency Services Administration Concentration provides managerial skills to emergency service personnel.

Requirements (Five courses)

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

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

Students are required to complete successfully an approved administrative field experience course of at least 3 credit hours. The field experience requirement may be satisfied through an internship or special project that must have an advisor's prior approval.

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

Requirements (Seven courses)

The following course:  
SPEA V365 Urban Development and Planning (3 cr.)

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

One of the following courses:  
GEOG G107 Physical Systems of the Environment (3 cr.)  
GEOL G107 Environmental Geology (3 cr.)  
GEOL G110 Geology: The Earth's Environment (3 cr.)

One of the following courses not taken as a social science requirement in the general education area:  
ECON E201 Introduction to Microeconomics (3 cr.)  
ECON E202 Introduction to Macroeconomics (3 cr.)

Two of the following courses:  
SPEA H316 Environmental Health (3 cr.)  
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
SPEA E451 Air Pollution and Control (3 cr.)  
SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
BIOL K341 Principles of Ecology (5 cr.)  
GEOG C315 Environmental Conservation (3 cr.)  
GEOL G300 Environmental and Urban Geology (3 cr.)  
GEOL G415 Geomorphology (3 cr.)  
GEOL G416 Economic Geology (3 cr.)  
POLS Y313 Environmental Policy (3 cr.)

One of the following courses:  
SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
PSY B305 Statistics (3 cr.)  
SOC R359 Introduction to Sociological Statistics (3 cr.)  
Statistics 301 Elementary Statistical Methods I (3 cr.)

**Public Administration Concentration**  
The Public Administration Concentration provides an overview of the primary areas of public administration.

Four of the following courses:  
SPEA H316 Environmental Health (3 cr.)  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.) (if not taken to meet public affairs core requirement)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

**Special Concentration**  
(Minimum of four courses)

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

## SPEA Minors

Any Indiana University student enrolled in a baccalaureate program may pursue one or more of the minors offered by the School of



Public and Environmental Affairs. Individuals interested in one or more of these minors should inquire in the SPEA undergraduate advising office for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, health, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

## Public and Environmental Affairs

### Requirements (Five courses)

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

One of the following courses:  
SPEA E162 Environment and People (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:  
SPEA E272 Introduction to Environmental Sciences (3 cr.)  
SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*  
SPEA V263 Public Management (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
SPEA V432 Labor Relations in the Public Sector (3 cr.)  
SPEA V444 Public Administrative Organization (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (3 cr.) *May be repeated*  
or other courses in public or environmental affairs approved by a SPEA advisor

## Criminal Justice

### Requirements (Five courses)

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

One of the following courses:  
\*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
\*SPEA J301 Substantive Criminal Law (3 cr.)

Three of the following courses:  
\*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
\*SPEA J301 Substantive Criminal Law (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

## Environmental Science and Health

### Requirements (Five courses)

The following course:  
SPEA H316 Environmental Health (3 cr.)

One of the following courses:  
SPEA H416 Environmental Health Policy (3 cr.)  
POL S Y313 Environmental Policy (3 cr.)

Three of the following courses:  
SPEA E326 Mathematical Methods in Environmental Science (3 cr.)  
SPEA E410 Introduction to Environmental Toxicology (3 cr.)  
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
SPEA E451 Air Pollution and Control (3 cr.)  
SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
SPEA H428 Food Science and Sanitation (3 cr.)  
SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)  
or other courses in environmental science and health approved by a SPEA faculty advisor.

## Health Systems Administration

### Requirements (Five courses)

The following course:  
SPEA H320 Health Systems Administration (3 cr.)

One of the following courses:  
SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)

Three of the following courses:  
SPEA H352 Health Finance and Budgeting (3 cr.)  
SPEA H402 Hospital Administration (3 cr.)  
SPEA H411 Long-Term Care Administration (3 cr.)  
SPEA H441 Legal Aspects of Health Care Administrators (3 cr.)  
SPEA H455 Topics in Public Health (3 cr.) *May be repeated*

## Area Certificate Programs

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

\*J201 and J301 can only be taken once each for credit.

### General Requirements

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

## Area Certificate in Environmental Studies

The certificate introduces students to selected aspects of current thinking and research on the nature, causes, and solutions to environmental problems.

(Ten courses)

The following five courses:  
BIOL K341 Principles of Ecology (3 cr.)  
CHEM C101 Elementary Chemistry I (5 cr.) or  
CHEM C105 Principles of Chemistry (5 cr.)  
ECON E201 Introduction to Microeconomics (3 cr.)  
ECON E202 Introduction to Macroeconomics (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)

One of the following courses:  
SPEA E262 Environment: Problems and Prospects (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

One of the following courses:  
GEOG G107 Physical Systems of the Environment (3 cr.)  
GEOL G107 Environmental Geology (3 cr.)  
GEOL G110 Geology: The Earth's Environment (3 cr.)

Three of the following courses:  
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
SPEA E451 Air Pollution and Control (3 cr.)  
SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
SPEA H316 Environmental Health (3 cr.)  
SPEA K300 Statistical Techniques (3 cr.) or approved option

SPEA V365 Urban Development and Planning (3 cr.)  
BIOL K442 Population and Systems Ecology (3 cr.)  
CHEM C207 Introduction to Biochemistry (4 cr.)  
CHEM C310 Analytical Chemistry (3 cr.)  
CHEM C341 Organic Chemistry Lectures I (3 cr.)  
ECON E485 Social Control of Industry (3 cr.)  
GEOG G303 Weather and Climate (3 cr.)  
GEOG G304 Meteorology and Climatology (3 cr.)  
GEOG G315 Environmental Conservation (3 cr.)  
GEOL G300 Environmental and Urban Geology (3 cr.)  
GEOL G303 Geologic Mapping and Field Methods (4 cr.)  
GEOL G406 Introduction to Geochemistry (3 cr.)  
GEOL G415 Geomorphology (3 cr.)  
GEOL G451 Principles of Hydrogeology (3 cr.)  
PHYS 218 General Physics I (4 cr.)  
SOC R465 Population and Human Ecology (3 cr.)

## Area Certificate in Public Affairs

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

### Certificate Requirements

(Nine courses)

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

One of the following courses:  
SPEA E262 Environment: Problems and Prospects (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

A total of two courses from groups A, B, and C, with no more than one course from any group.

- A. *Organizational Behavior*  
BUS Z302 Managing and Behavior in Organizations (3 cr.)  
POL S Y390 Micropolitics and Organizational Behavior (3 cr.)



- SPEA V270 Survey of Administrative Techniques (3 cr.)
- B. *Public Administration*  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- C. *Law*  
SPEA J301 Substantive Criminal Law (3 cr.)  
SPEA J401 Criminal Law and Procedure (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
BUS L201 Legal Environment of Business (3 cr.)  
POLS Y304 American Constitutional Law I (3 cr.)  
POLS Y305 American Constitutional Law II (3 cr.)

Choose any four of the following courses:

- Public Affairs*  
SPEA V260 Topics in Public Affairs (approved topics) (3 cr.) *May be repeated*  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V348 Management Science (3 cr.)  
SPEA V365 Urban Development and Planning (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V432 Labor Relations in the Public Sector (3 cr.)  
SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.) *May be repeated*  
SPEA V444 Public Administrative Organization (3 cr.)  
SPEA V449 Policy Senior Seminar (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*  
SPEA V472 Policy Processes in the U.S. (3 cr.)
- Criminal Justice*  
SPEA J101 The American Criminal Justice System (3 cr.)  
SPEA J302 Procedural Criminal Law (3 cr.)  
SPEA J322 Introduction to Criminalistics (3 cr.)  
SPEA J401 Criminal Law and Procedure (3 cr.)  
SPEA J439 Crime and Public Policy (3 cr.)
- Geography*  
GEOG G412 Urban Transportation Analysis (3 cr.)  
GEOG G414 Regional Transport Systems (3 cr.)
- Political Science*  
POLS Y200 Citizen and the Courts (3 cr.)  
POLS Y302 Public Bureaucracy in Modern Society (3 cr.)  
POLS Y306 State Politics in the U.S. (3 cr.)  
POLS Y394 Public Policy Analysis (3 cr.)
- Sociology*  
SOC R329 Urban Sociology (3 cr.)  
SOC R345 Crime and Society (3 cr.)

- SOC R346 Control of Crime (3 cr.)  
SOC R480 Sociology and Social Policy (3 cr.)

## Area Certificate in Public Health

The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.

### Certificate Requirements

(Six courses)

The following three courses:

- SPEA H316 Environmental Health (3 cr.)  
SPEA H320 Health Systems Administration (3 cr.)  
SPEA H322 Principles of Epidemiology (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*  
SPEA E410 Introduction to Environmental Toxicology (3 cr.)  
SPEA E431 Water Supply and Wastewater Treatment (3 cr.)  
SPEA E451 Air Pollution and Control (3 cr.)  
SPEA E452 Solid and Hazardous Waste Management (3 cr.)  
SPEA H342 Community Health Education (3 cr.)  
SPEA H411 Long-Term Care Administration (3 cr.)  
SPEA H416 Environmental Health Policy (3 cr.)  
SPEA H423 Disease Vector Control (3 cr.) or  
BIOL K443 Medical Parasitology and Entomology (3 cr.)  
SPEA H428 Food Science and Sanitation (3 cr.)  
SPEA H433 Industrial Hygiene and Radiological Health (3 cr.)  
SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
SPEA H460 Techniques in Environmental Health (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*  
ECON E387 Health Economics (3 cr.)

## American Humanics Certification

The School of Public and Environmental Affairs offers certification in nonprofit management in partnership with American Humanics, Inc. This certification prepares undergraduate college students for professional careers in the expanding job market of nonprofit and youth and human service organizations. Upon completion of the

program, students will be certified for possible positions of leadership with collaborating organizations such as the YMCA, American Red Cross, Big Brothers Big Sisters, Habitat for Humanity, and many other nonprofit agencies at both the local and national level.

This certificate program requires the demonstration of a prescribed set of knowledge and skill competencies and the completion of a 300-hour internship program. These competencies may be obtained through completion of a set of courses, professional workshops, and the internship.

Students interested in learning more about the certificate should contact the American Humanics director in SPEA or a SPEA academic advisor.



## Fort Wayne Programs

### Bachelor of Science Degree Programs

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

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

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

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

### Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours.

#### DEGREE REQUIREMENTS

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

#### General Education

##### Communication

(Three courses for a minimum of 9 credit hours)

The following writing course:

ENG W131 Elementary Composition (3 cr.)

One of the following:

ENG W232 Introduction to Business Writing (3 cr.)

ENG W233 Intermediate Expository Writing (3 cr.)

The following speech course:

COM 114 Fundamentals of Speech Communication (3 cr.)

#### Arts and Humanities

(Four courses for a minimum of 12 credit hours)

The following two courses:

HIST H105 American History I (3 cr.)

HIST H106 American History II (3 cr.)

Two courses from at least two of the following subject areas:

Classical studies

English (language and literature)

Fine arts

Folklore

Foreign languages and literature

History

Musicology and music history

Philosophy

Religious studies

Speech

Theatre and drama

#### Social and Behavioral Sciences

(Five courses for a minimum of 15 credit hours)

The following three courses:

ECON E201 Introduction to Microeconomics (3 cr.)

ECON E202 Introduction to Macroeconomics (3 cr.)

SPEA V371 Financing Public Affairs (3 cr.)

Two courses from the following subject areas:

Anthropology

Criminal justice

Economics

Geography (selected)

Journalism

Linguistics

Political science

Psychology (selected)

Public and Environmental Affairs

Sociology

Women's studies

#### Natural Sciences

(Two to three courses for a minimum of 8 credit hours selected from at least two of the following departments.)

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

#### Biology

BIOL 100 Introduction to the Biological World (3-4 cr.)

BIOL 108 Biology of Plants (4 cr.)

BIOL 109 Biology of Animals (4 cr.)

BIOL 203 Human Anatomy and Physiology (3 cr.)

#### Chemistry

CHM 111 General Chemistry (3 cr.)

CHM 112 General Chemistry (3 cr.)

CHM 115 General Chemistry (3 cr.)

CHM 116 General Chemistry (3 cr.)

#### Earth Sciences

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

GEOG G100 General Geology (3-5 cr.)

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

GEOG G104 Earth Science: Evolution of the Earth (3 cr.)

GEOG G111 Physical Geology (3 cr.)

GEOG G112 Historical Geology (3 cr.)

#### Physics

PHYS 131 Concepts in Physics I (3 cr.)

PHYS 132 Concepts in Physics II (3 cr.)

PHYS 201 General Physics I (5 cr.)

PHYS 218 General Physics (4 cr.)

#### Quantitative Methods

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

The following computer series or computer course:

BUS K200, K211, K212/K213 Computer Introductory Series (3 cr.)

CS106 Introduction to Computers (3 cr.)

One of the following mathematics course:

MA 163 Integrated Calculus and Analytic Geometry I (5 cr.)

MA 164 Integrated Calculus and Analytical Geometry II (5 cr.)

MA 213 Finite Mathematics (3 cr.)

MA 229 Calculus for the Managerial, Social and Biological Sciences (3 cr.)

One of the following statistics courses:

SPEA K300 Statistical Techniques (3 cr.)

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

SOC S351 Social Statistics (3 cr.)

STAT 301 Elementary Statistical Methods I (3 cr.)

#### General Electives

You must take sufficient additional courses to meet the Bachelor of Science requirement of 120 credits. These should include IPFW General Education Areas I, II, III, IV, V, and VI requirements which have not been fulfilled by the SPEA General Education requirements.

### Public Affairs Core

(The following four courses)

SPEA E162 Environment and People (3 cr.)

SPEA H120 Contemporary Health Issues (3 cr.)

SPEA J101 The American Criminal Justice

System (prerequisite for all criminal justice courses) (3 cr.)

SPEA V170 Introduction to Public Affairs (3 cr.)

### Majors

You must choose one of the majors listed below:

Criminal Justice (30 credit hours)

The following courses:

SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)

SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)

SPEA J301 Substantive Criminal Law (3 cr.)

SPEA J306 The Criminal Courts (3 cr.)

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

SPEA J331 Introduction to Corrections (3 cr.)

SPEA J439 Crime and Public Policy (3 cr.)

Three additional SPEA courses with approval of your advisor (9 cr.)

Health Services Administration (27 credit hours)

SPEA H320 Health Systems Administration (3 cr.)

SPEA H322 Principles of Epidemiology (3 cr.)

SPEA H352 Health Finance and Budgeting (3 cr.)

SPEA H402 Hospital Administration (3 cr.)

SPEA H411 Long Term Care Administration (3 cr.)

One of the following:

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

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

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

Three additional SPEA courses with approval of your advisor (9 cr.)

Management (27 credit hours)

SPEA V263 Public Management (3 cr.)

SPEA V264 Urban Structure and Policy (3 cr.)

SPEA V348 Management Science (3 cr.)

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

SPEA V372 Government Finance and Budgets (3 cr.)

SPEA V376 Law and Public Policy (3 cr.)

Three additional courses with approval of your advisor (9 cr.)



**Specialized Study in Public and Environmental Affairs** (27 credit hours)  
Nine courses at the 300-400 level, four of which must be SPEA courses. All courses must be approved by your advisor. Available specialized areas include environmental studies and urban studies.

## Bachelor of Science in Health Services Management

This 120 credit hour degree is intended for people who hold an associate degree from an accredited institution and have experience in a health care field. Students who complete this degree are eligible to sit for the Long-Term Care Administrators Examination after they have fulfilled the Administrator-in-Training requirement.

### DEGREE REQUIREMENTS

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

#### General Education

**Communication**  
(Three courses for a minimum of 9 credit hours)

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

One of the following:  
ENG W231 Professional Writing Skills (3 cr.)  
ENG W232 Introduction to Business Writing (3 cr.)

One of the following speech courses:  
COM 114 Fundamentals of Speech Communication (3 cr.)  
COM 323 Business and Professional Speaking (3 cr.)

**Arts and Humanities**  
(One course for a minimum of 3 credit hours from any of the following subject areas)  
Afro-American studies  
Classical studies  
Communication  
Comparative literature  
English (language and literature)  
Fine arts  
Folklore  
Foreign languages and literature  
History  
History and philosophy of science  
Musicology and music history  
Philosophy  
Theatre and drama

**Social and Behavioral Sciences**  
(Four courses for a minimum of 12 credit hours)

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

One approved course from the following subject areas:

Anthropology  
Geography  
Journalism  
Political science  
Psychology  
Sociology

**Natural Sciences**  
(Two courses for a minimum of 6 credit hours)

The following courses:  
BIOL 203 Human Anatomy and Physiology (3 cr.)  
BIOL 204 Human Anatomy and Physiology (3 cr.)

**Quantitative Methods**  
(Three courses for a minimum of 9 credit hours)

The following computer series or computer course:  
BUS K200, K211, K212/K213 Computer Introductory Series (3 cr.)  
CS 106 Introduction to Computers (3 cr.)

One of the following mathematics courses or approved alternative:  
MA 163 Integrated Calculus and Analytic Geometry I (5 cr.)  
MA 213 Finite Mathematics (3 cr.)  
MA 229 Calculus for the Managerial, Social and Biological Sciences (3 cr.)

One of the following statistics courses or approved alternative:  
SPEA K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory (3 cr.)

#### General Electives

Sufficient additional courses to meet the requirement of 120 credit hours. Courses should include IPFW General Education Areas I, II, III, IV, V, and VI requirements which have not been fulfilled by the SPEA General Education requirements.

#### Management Core

The following four courses:  
SPEA V263 Public Management (3 cr.)  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)

SPEA V348 Management Science (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

#### Health Services Management

(Nine courses selected from the following)

SPEA H316 Environmental Health (3 cr.)  
SPEA H320 Health Systems Administration (3 cr.)  
SPEA H322 Principles of Epidemiology (3 cr.)  
SPEA H352 Health Finance and Budgeting (3 cr.)  
SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)  
SPEA H402 Hospital Administration (3 cr.)  
SPEA H411 Long-Term Care Administration (3 cr.)  
SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
SPEA H455 Topics in Public Health (3 cr.) May be repeated  
SPEA H474 Health Administration Seminar (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs: Marketing for Health and Nonprofit Organizations (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs: Managed Care (3 cr.)

## Bachelor of Science in Criminal Justice

The Bachelor of Science in Criminal Justice requires 120 credit hours.

### DEGREE REQUIREMENTS

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

#### General Education

**Communication**  
(Three courses for a minimum of 9 credit hours)

The following course:  
ENG W131 Elementary Composition (3 cr.)

One of the following:  
ENG W232 Introduction to Business (3 cr.)  
ENG W233 Intermediate Expository Writing (3 cr.)

The following speech course:  
COM 114 Fundamentals of Speech Communication (3 cr.)

**Quantitative Methods**  
(Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:  
MA 150 Mathematics for Technology (5 cr.)  
MA 153 Algebra and Trigonometry I (3 cr.)

MA 163 Integrated Calculus and Analytic Geometry I (5 cr.)  
MA 168 Mathematics for the Liberal Arts (3 cr.)

MA 213 Finite Mathematics I (3 cr.)  
MA 229 Calculus for the Managerial, Social and Behavioral Sciences I (3 cr.)

Other approved mathematics courses.

One of the following statistics courses:  
SPEA K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
PSY 201 Introduction to Quantitative Topics in Psychology I (3 cr.)  
STAT 301 Elementary Statistical Methods I (3 cr.)

One of the following computer series or computer course:  
BUS K200, K211, K212/K213 Computer Introductory Series (3 cr.)  
CS106 Introduction to Computers (3 cr.)

**Arts and Humanities**  
(Four courses for a minimum of 12 credit hours)

Two of the following courses not used to satisfy another degree requirement:  
HIST H105 American History I (3 cr.)  
HIST H106 American History II (3 cr.)  
HIST A325 American Constitutional History I (3 cr.)  
HIST A326 American Constitutional History II (3 cr.)  
POLS Y304 Judicial Process and American Constitutional Law I (3 cr.)  
POLS Y305 Judicial Process and American Constitutional Law II (3 cr.)

Two courses selected from the following subject areas not used to satisfy another degree requirement:  
Afro-American studies  
Classical studies  
Communication  
Comparative literature  
English (language and literature)  
Fine arts  
Folklore  
Foreign languages and literature  
History  
Honors (humanities)  
Musicology and music history  
Philosophy  
Theatre and drama

**Natural Sciences**  
(Two courses for a minimum of 6 credit hours, selected from the following subject areas in consultation with an advisor.)  
Astronomy  
Biology  
Chemistry  
Geography (G107, G304 or G315 only)



Geology  
Physics

Social and Behavioral Sciences  
(Five courses for a minimum of 15 credit hours)

Four of the following courses:

- PSY 120 Elementary Psychology (3 cr.)
- PSY 240 Introduction to Social Psychology (3 cr.)
- PSY 350 Abnormal Psychology (3 cr.)
- SOC S161 Principles of Sociology (3 cr.)
- SOC S163 Social Problems (3 cr.)
- SOC S320 Deviant Behavior and Social Control (3 cr.)
- SOC S325 Criminology (3 cr.)
- SOC S328 Juvenile Delinquency (3 cr.)
- SOC S420 Topics in Deviance (3 cr.)
- SOC S429 Crime and Community (3 cr.)

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

Anthropology  
Economics  
Political science

### General Electives (24 credit hours)

Approved electives should include IPFW General Education Areas I, II, III, IV, V, and VI requirements which have not been fulfilled by the SPEA General Education degree.

### Public Affairs and Policy

Four of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)
  - SPEA V170 Introduction to Public Affairs (3 cr.)
  - SPEA V263 Public Management (3 cr.)
  - SPEA V264 Urban Structure and Policy (3 cr.)
  - SPEA V348 Management Science (3 cr.)
  - SPEA V365 Urban Development and Planning (3 cr.)
  - SPEA V366 Managing Behavior in Public Organizations (3 cr.)
  - SPEA V372 Government Finance and Budgets (3 cr.)
  - SPEA V373 Personnel Management in the Public Sector (3 cr.)
  - SPEA V376 Law and Public Policy (3 cr.)
- or additional courses approved in consultation with an advisor.

### Criminal Justice

SPEA J101 The American Criminal Justice System (prerequisite for all criminal justice courses) (3 cr.)

(Ten additional courses)

The following seven courses:

- SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)

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

Three additional SPEA criminal justice courses chosen in consultation with an advisor.

## Associate of Science Degree Programs

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

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

## Associate of Science in Criminal Justice

### DEGREE REQUIREMENTS

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

### General Education

Communication

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

The following writing course:  
ENG W131 Elementary Composition (3 cr.)

One of the following:

- ENG W232 Introduction to Business Writing (3 cr.)
- ENG W233 Intermediate Expository Writing (3 cr.)

The following speech course:

- COM 114 Fundamentals of Speech Communication (3 cr.)

### Arts and Humanities

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

- Afro-American studies
- Classical studies
- Communication
- Comparative literature
- English (language and literature)
- Fine arts
- Folklore
- Foreign languages and literature
- History: H105 or H106 recommended
- Honors (humanities)
- Musicology and music history
- Philosophy
- Theatre and drama

### Social and Behavioral Sciences

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

- Anthropology
- Economics
- Geography
- Journalism
- Linguistics
- Political science
- Psychology
- Sociology

### Natural Sciences

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

- Astronomy
- Biology
- Chemistry
- Geography (G107, G304 or G315 only)
- Geology
- Physics

### Quantitative Methods (one course)

- BUS K200, K211, K212/K213 Computer Introductory Series (3 cr.)
- CS106 Introduction to Computers (3 cr.)
- MA 150 Mathematics for Technology (5 cr.)
- MA 153 Algebra and Trigonometry I (3 cr.)
- MA 163 Integrated Calculus and Analytic Geometry I (5 cr.)

MA 168 Mathematics for the Liberal Arts (3 cr.)

MA 213 Finite Mathematics I (3 cr.)

MA 229 Calculus for the Managerial, Social and Behavioral Sciences I (3 cr.)

### General Electives

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

### Public Policy

The following course:

- SPEA V170 Introduction to Public Affairs (3 cr.)

### Criminal Justice Concentration

(Six courses for a minimum of 18 credit hours)

The following course:

- SPEA J101 The American Criminal Justice System (3 cr.) (prerequisite for all criminal justice courses)

Three of the following courses:

- SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
  - SPEA J202 Criminal Justice Data, Methods and Resources (3 cr.)
  - SPEA J301 Substantive Criminal Law (3 cr.) or SPEA J401 Criminal Law and Procedure (3 cr.)
  - SPEA J306 The Criminal Courts (3 cr.)
  - SPEA J321 Introduction to American Law Enforcement (3 cr.)
  - SPEA J331 Introduction to Corrections (3 cr.)
- Two additional SPEA criminal justice courses with approval of an advisor.

## Associate of Science in Public Affairs

Students must complete one of the following concentrations: Criminal Justice, Emergency Services Administration, Public Administration, or a specialized program approved by a SPEA advisor.

### DEGREE REQUIREMENTS

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

### General Education

Communication

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

The following writing course:

- ENG W131 Elementary Composition (3 cr.)



One of the following advanced writing courses:

- ENG W232 Introduction to Business Writing (3 cr.)  
ENG W233 Intermediate Expository Writing (3 cr.)

The following speech course:

- COM 114 Fundamentals of Speech Communication (3 cr.)

Social and Behavioral Sciences

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

One of the following two courses:

- ECON E201 Introduction to Microeconomics (3 cr.)  
ECON E202 Introduction to Macroeconomics (3 cr.)

The following political science course:

- POLS Y103 Introduction to American Politics (3 cr.)

One course from sociology or psychology

Quantitative Methods

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

The following computer series or computer course:

- BUS K200, K211, K212/K213 Computer Introductory Series (3 cr.)  
CS106 Introduction to Computers (3 cr.)

One approved mathematics course:

- MA 150 Mathematics for Technology (5 cr.)  
MA 153 Algebra and Trigonometry I (3 cr.)  
MA 163 Integrated Calculus and Analytic Geometry I (5 cr.)  
MA 168 Mathematics for the Liberal Arts (3 cr.)  
MA 213 Finite Mathematics I (3 cr.)  
MA 229 Calculus for the Managerial, Social, and Behavioral Sciences I (3 cr.)

Arts and Humanities

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

- Afro-American studies  
Classical studies  
Communication  
Comparative literature  
English (language and literature)  
Fine arts  
Folklore  
Foreign languages and literature  
History: H105 or H106 recommended  
Honors (humanities)  
Musicology and music history  
Philosophy  
Theatre and drama

## General Electives

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

## Public Affairs Core

(Four courses for a minimum of 12 credit hours)

The following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)  
SPEA V170 Introduction to Public Affairs (3 cr.)  
SPEA V264 Urban Structure and Policy (3 cr.)

One of the following courses:

- SPEA V263 Public Management (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

## Areas of Concentration

You must complete one of the following concentrations or an individualized concentration designed with the assistance of your advisor and approval of the division director.

### Criminal Justice Concentration

This concentration provides an introduction to law enforcement, correctional administration, and criminal law and procedure.

Requirements (Five courses for a minimum of 15 credit hours)

The following course:

- SPEA J101 The American Criminal Justice System (3 cr.) (prerequisite for all criminal justice courses)

One of the following courses:

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

One of the following courses:

- SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

Two additional criminal justice courses.

### Emergency Services Administration Concentration

The Emergency Services Administration Concentration provides managerial skills to emergency service personnel.

Requirements (Five courses for a minimum of 15 credit hours)

The following course:

- SPEA V375 Emergency Services Administration (3 cr.)

Three of the following courses:

- SPEA H320 Health Systems Administration (3 cr.)  
SPEA J376 Principles of Public Safety (3 cr.)  
SPEA K300 Statistical Techniques (3 cr.) or other approved course  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V348 Management Science (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

Students are required to complete successfully an approved administrative field experience course (SPEA V380) of at least 3 credit hours. The field experience requirement may be satisfied through an internship or special project that must have an advisor's prior approval.

### Public Administration Concentration

The Public Administration Concentration provides an overview of the primary areas of public administration.

Four of the following courses not used to meet other requirements:

- SPEA H316 Environmental Health (3 cr.)  
SPEA V260 Topics in Public Affairs (3 cr.) *May be repeated*  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V365 Urban Development and Planning (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

### Specialized Concentration

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

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

## SPEA Minors

Any Indiana University student enrolled in a baccalaureate program may pursue one or more of the minors offered by the School of Public and Environmental Affairs. Individuals interested in one or more of these minors

should inquire in the SPEA undergraduate advising office for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, health, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

## Public and Environmental Affairs

Requirements (Five courses)

The following course:

- SPEA V170 Introduction to Public Affairs (3 cr.)

One of the following courses:

- SPEA E162 Environment and People (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)  
SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*  
SPEA V263 Public Management (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
SPEA V450 Contemporary Issues in Public Affairs (3 cr.) *May be repeated*  
or other courses in public or environmental affairs approved by a SPEA advisor

## Criminal Justice

Requirements (Five courses)

The following course:

- SPEA J101 The American Criminal Justice System (3 cr.) (prerequisite for all criminal justice courses)

One of the following courses:

- \*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
\*SPEA J301 Substantive Criminal Law (3 cr.)

Three of the following courses:

- \*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
\*SPEA J301 Substantive Criminal Law (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

\*J201 and J301 can only be taken once each for credit.



## Area Certificate Programs

The only area of study currently available is public health.

### General Requirements

1. Students in good academic standing and enrolled in baccalaureate programs at Indiana University are eligible to apply for a certificate at the SPEA records office. Interested students must apply for a certificate before completing 9 credit hours of applicable course work.
2. SPEA students cannot earn an area certificate in the same area as their concentration.
3. A grade point average of 2.0 or higher is required in all course work credited toward the certificate.
4. When all certificate requirements have been met and the student has a baccalaureate degree, the certificate will be awarded.

## Area Certificate in Public Health

The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.

### Certificate Requirements

(Six courses)

The following three courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA H320 Health Systems Administration (3 cr.)
- SPEA H322 Principles of Epidemiology (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*
- SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H416 Environmental Health Policy (3 cr.)
- SPEA H428 Food Science and Sanitation (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA H455 Topics in Public Health (3 cr.) *May be repeated*
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

## Northwest (Gary) Programs

### Bachelor of Science Degree Programs

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

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

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

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

### Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours.

#### DEGREE REQUIREMENTS

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

#### General Education

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

The following writing courses:

- ENG W131 Elementary Composition (3 cr.)
- or equivalent campus option
- ENG W231 Professional Writing Skills (3 cr.)

One of the following courses:

- SPCH S122 Interpersonal Communication (3 cr.)
- SPCH S223 Business and Professional Communication (3 cr.)
- SPCH S229 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

(Four courses for a minimum of 12 credit hours)

The following two courses:

- HIST H105 American History I (3 cr.)
- HIST H106 American History II (3 cr.)

Two courses from the following subject areas:

- Afro-American studies
- Comparative literature
- English
- Fine arts
- Foreign languages and literature
- History
- Musicology and music history
- Philosophy
- Religious studies
- Speech
- Theatre and drama

#### Social Sciences

(Five courses for a minimum of 15 credit hours)

The following three courses:

- POLS Y103 Introduction to American Politics (3 cr.)
- ECON E103 Introduction to Microeconomics (3 cr.)
- ECON E104 Introduction to Macroeconomics (3 cr.)

Two courses from the following areas:

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

#### Natural Sciences

(Two to three courses for 6-8 credit hours selected from at least two of the following departments. At least one lab course is recommended.) [Environmental Concentration students must take Chemistry C101 and C121 plus Biology L200 or L350.]

#### Biology

- BIOL L100 Humans and the Biological World (3-5 cr.)
- BIOL L105 Introduction to Biology (5 cr.)



BIOL L200 Environmental Biology and Conservation (3 cr.)  
BIOL L350 Environmental Biology (3 cr.)

#### Chemistry

CHEM C101 Elementary Chemistry I (3 cr.)  
CHEM C121 Elementary Chemistry Laboratory I (2 cr.)  
CHEM C102 Elementary Chemistry II (3 cr.)  
CHEM C122 Elementary Chemistry Laboratory II (2 cr.)  
CHEM C105 Principles of Chemistry I (3 cr.)  
CHEM C125 Experimental Chemistry I (2 cr.)

#### Earth Sciences

GEOL G101 Introduction to Earth Science: Lecture (3 cr.)  
GEOL G104 Earth Science: Evolution of the Earth (3 cr.)

#### Physics

PHYS P101 Physics in the Modern World (4 cr.)  
PHYS P120 Energy and Technology (3 cr.)

#### Quantitative Methods

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

One of the following computer courses:  
SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI A106 Introduction to Computing (3 cr.)  
CSCI C106 Introduction to Computers and Their Use (3 cr.)  
CSCI C201 Introduction to Computer Science (4 cr.)

One of the following mathematics courses:  
MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus I (3 cr.)  
MATH M125 Pre-Calculus Mathematics (3 cr.)  
MATH M215 Analytic Geometry and Calculus I (5 cr.)

One of the following statistics courses:  
SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)

#### General Electives

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

#### Public Affairs Core

(Six courses)  
SPEA V170 Introduction to Public Affairs (3 cr.)  
SPEA V263 Public Management (3 cr.)  
SPEA V264 Urban Structure and Policy (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

#### Areas of Concentration

Each concentration requires six courses.

##### Criminal Justice

The following four courses:  
SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)  
SPEA J301 Substantive Criminal Law (3 cr.)  
SPEA J439 Crime and Public Policy (3 cr.)

Two of the following courses:  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)  
Note: SPEA J101, The American Criminal Justice Systems is a prerequisite for all Criminal Justice Concentration courses.

##### Environmental Policy

The following three courses:  
SPEA H316 Environmental Health (3 cr.)  
SPEA E400 Topics in Environmental Studies: Environmental Planning (3 cr.)  
SPEA E400 Topics in Environmental Studies (3 cr.)

Any three other SPEA courses selected with consent of a faculty advisor.

##### Health Services Administration

The following three courses:  
SPEA H320 Health Systems Administration (3 cr.)  
SPEA H352 Health Finance and Budgeting (3 cr.)  
SPEA H441 Legal Aspects of Health Care Administration (3 cr.)

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

##### Management

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

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

#### Specialized Study in Public and Environmental Affairs

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

## Bachelor of Science in Health Services Management

This 120 credit hour degree is intended for people who hold an associate degree from an accredited institution and have experience in a health care field. Students who complete this degree are eligible to sit for the Long-Term Care Administrators Examination after they have fulfilled the Administrator-in-Training requirement.

### DEGREE REQUIREMENTS

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

#### General Education

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

The following writing courses:  
ENG W131 Elementary Composition (3 cr.) or approved option  
ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:  
SPCH S121 Public Speaking (3 cr.)  
SPCH S122 Interpersonal Communication (3 cr.)  
SPCH S233 Business and Professional Communication (3 cr.)  
SPCH S228 Argumentation and Debate (3 cr.)  
SPCH S229 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

(One course for a minimum of 3 credit hours from any of the following subject areas)  
Afro-American studies  
Comparative literature  
English  
Fine arts  
Foreign languages and literature  
History  
Musicology and music history  
Philosophy  
Religious studies  
Speech  
Theatre and drama

#### Social Sciences

(Four courses for a minimum of 12 credit hours)

The following courses:

ECON E103 Introduction to Microeconomics (3 cr.)  
ECON E104 Introduction to Macroeconomics (3 cr.)  
POLS Y103 Introduction to American Politics (3 cr.)

One approved course from one of the following subject areas:

Anthropology  
Geography  
Journalism  
Political science  
Psychology  
Sociology

#### Natural Sciences

(Two courses for a minimum of 6 credit hours selected from two of the following major areas)

Astronomy  
Biology  
Chemistry  
Geology  
Physics

#### Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One computer course:  
SPEA V261 Computers in Public Affairs (3 cr.) or approved option

One of the following courses:  
MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus I (3 cr.)  
MATH M125 Pre-Calculus Mathematics (3 cr.)  
MATH M215 Analytic Geometry and Calculus I (5 cr.)

One of the following courses:  
SPEA K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.) or approved option

#### General Electives

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

#### Management Core

The following four courses:  
SPEA V263 Public Management (3 cr.)  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V348 Management Science (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)



## Health Services Management Concentration

(Nine courses)

The following nine courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA H320 Health Systems Administration (3 cr.)
- SPEA H322 Principles of Epidemiology (3 cr.)
- SPEA H352 Health Finance and Budgeting (3 cr.)
- SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA H455 Topics in Public Health (3 cr.) *May be repeated*

## Bachelor of Science in Criminal Justice

### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

(Three courses for a minimum of 9 credit hours)

The following courses:

- ENG W131 Elementary Composition (3 cr.) or equivalent campus option
- ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S121 Public Speaking (3 cr.)
- SPCH S122 Interpersonal Communication (3 cr.)
- SPCH S223 Business and Professional Communication (3 cr.)
- SPCH S228 Argumentation and Debate (3 cr.)
- SPCH S229 Discussion and Group Methods (3 cr.)

##### Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:

- MATH M118 Finite Mathematics (3 cr.)
- MATH M119 Brief Survey of Calculus I (3 cr.)
- MATH M125 Pre-Calculus Mathematics (3 cr.)
- MATH M215 Analytic Geometry and Calculus I (5 cr.)

Other approved mathematics courses.

One of the following statistics courses:

- SPEA/PSY K300 Statistical Techniques (3 cr.)
- ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)

One of the following computer courses:

- SPEA V261 Computers in Public Affairs (3 cr.)
- BUS K201 The Computer in Business (3 cr.)
- CSCI A106 Introduction to Computing (3 cr.)
- CSCI C106 Introduction to Computers and Their Use (3 cr.) or other approved computer course.

#### Arts and Humanities

(Four courses for a minimum of 12 credit hours)

Two of the following courses:

- HIST H105 American History I (3 cr.)
- HIST H106 American History II (3 cr.)
- POLS Y304 American Constitutional Law I (3 cr.)

Two courses selected from the following subject areas:

- Afro-American studies
- Comparative literature
- English
- Fine arts
- Foreign languages and literature
- History
- Musicology and music history
- Philosophy
- Religious studies
- Speech
- Theatre and drama

#### Natural Sciences

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

- Astronomy
- Biology
- Chemistry
- Geology
- Physics

#### Social and Behavioral Sciences

(Five courses for a minimum of 15 credit hours)

Four of the following courses:

- PSY P101 Introductory Psychology I (3 cr.)
- PSY P324 Abnormal Psychology (3 cr.)
- SOC S161 Principles of Sociology (3 cr.)
- SOC S163 Social Problems (3 cr.)
- SOC S320 Deviant Behavior and Social Control (3 cr.)
- SOC S325 Criminology (3 cr.)
- SOC S328 Juvenile Delinquency (3 cr.)
- SOC S420 Topics in Deviance (3 cr.)
- SOC S429 Crime and Community (3 cr.)

One course selected from the following subject areas:

- Anthropology
- Economics
- Political science

#### General Electives

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

## Public Affairs and Policy

Four of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)
- SPEA V170 Introduction to Public Affairs (3 cr.)
- SPEA V263 Public Management (3 cr.)
- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA V348 Management Science (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.) or additional courses approved in consultation with an advisor.

## Criminal Justice

(Ten courses)

The following eight courses:

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

Two of the following courses:

- SPEA J303 Evidence (3 cr.)
- SPEA J305 The Juvenile Justice System (3 cr.)
- SPEA J320 Criminal Investigation (3 cr.)
- SPEA J370 Seminar in Criminal Justice (3 cr.) *May be repeated*
- SPEA J460 Police in the Community (3 cr.)
- SPEA J470 Seminar in Criminal Justice (3 cr.)
- SPEA J480 Research in Criminal Justice (1-6 cr.)

## Associate of Science Degree Programs

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

1. Students must apply for admission to the Associate Degree Program before

completing 35 credit hours of course work toward the degree. Applications are available in the records office.

2. A minimum of 60 credit hours with a 2.00 cumulative average or higher and a 2.30 average or higher in core and concentration courses is required. All requirements for this degree must be satisfied before earning 86 credit hours.
3. A limited number of courses may be transferred from other accredited institutions or be taken through independent study.
4. Courses taken to meet specific degree requirements cannot be double counted (used to satisfy any other degree requirement).
5. A maximum of two elective courses may be taken pass-fail in this degree.

## Associate of Science in Criminal Justice

### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

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

The following writing courses:

- ENG W131 Elementary Composition (3 cr.) or equivalent campus-approved option
- ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S121 Public Speaking (3 cr.)
- SPCH S122 Interpersonal Communication (3 cr.)
- SPCH S223 Business and Professional Communication (3 cr.)
- SPCH S228 Argumentation and Debate (3 cr.)
- SPCH S229 Discussion and Group Methods (3 cr.)

##### Arts and Humanities

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

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



**Social and Behavioral Sciences**

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

Anthropology  
Economics  
Geography  
Journalism  
Political science  
Psychology  
Sociology

**Natural Sciences**

One course, for a minimum of 3 credit hours, from one of the following subject areas.

Astronomy  
Biology  
Botany  
Chemistry  
Geology  
Physics  
Zoology

**Quantitative Methods (one course)**

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

**General Electives**

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

**Public Policy**

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

**Criminal Justice Concentration**

(Six courses)

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

Three of the following courses:  
SPEA J301 Substantive Criminal Law (3 cr.) or  
SPEA J401 Criminal Law and Procedure (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

Two additional SPEA criminal justice courses (6 cr.)  
SPEA J201 and SPEA J202 recommended

**Associate of Science in Public Affairs**

Students must complete one of the following concentrations: Criminal Justice, Emergency Services Administration, Environmental Affairs, Public Administration, or a specialized program approved by a SPEA advisor.

**DEGREE REQUIREMENTS**

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

**General Education****Communication**

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

The following writing courses:  
ENG W131 Elementary Composition (3 cr.) or  
equivalent campus-approved option  
ENG W231 Professional Writing (3 cr.)

One of the following speech courses:  
SPCH S121 Public Speaking (3 cr.)  
SPCH S122 Interpersonal Communication (3 cr.)

SPCH S223 Business and Professional Communication (3 cr.)  
SPCH S229 Discussion and Group Methods (3 cr.)

**Social Sciences**

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

The following two courses:  
ECON E103 Introduction to Microeconomics (3 cr.) or E104 Introduction to Macroeconomics (3 cr.)  
POLS Y103 Introduction to American Politics (3 cr.)

One course from sociology or psychology

**Quantitative Methods**

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

One of the following computer science courses:  
SPEA V261 Computers in Public Affairs (2-3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI A106 Introduction to Computing (3 cr.)  
CSCI A107 Advanced Microcomputing: Programming within Applications (3 cr.)  
CSCI A201 Introduction to Computers and Programming I (4 cr.)  
CSCI A202 Introduction to Programming II (4 cr.)

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

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

**Arts and Humanities**

One course from one of the following subject areas for a minimum of 3 credit hours.

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

**General Electives**

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

**Public Affairs Core**

(Four courses)

The following courses:

SPEA V170 Introduction to Public Affairs (3 cr.)  
SPEA V264 Urban Structure and Policy (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

One of the following courses:

SPEA V270 Survey of Administrative Techniques (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

**Areas of Concentration****Criminal Justice**

Requirements (Five courses)

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

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

One of the following courses:  
SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)  
SPEA J306 The Criminal Courts (3 cr.)  
SPEA J321 Introduction to American Law Enforcement (3 cr.)  
SPEA J331 Introduction to Corrections (3 cr.)

Two additional criminal justice courses.

**Emergency Services Administration**

Requirements (Five courses)

The following course:

SPEA V375 Emergency Services Administration (3 cr.)

Three of the following courses:

SPEA H320 Health Systems Administration (3 cr.)  
SPEA J376 Principles of Public Safety (3 cr.)  
SPEA K300 Statistical Techniques (3 cr.) or  
other approved course  
SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
SPEA V348 Management Science (3 cr.)  
SPEA V372 Government Finance and Budgets (3 cr.)  
SPEA V373 Personnel Management in the Public Sector (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)

Students are required to complete successfully an approved administrative field experience course of at least 3 credit hours. The field experience requirement may be satisfied through an internship or special project that must have an advisor's prior approval.

**Environmental Affairs**

Requirements (Seven courses)

The following course:

SPEA V365 Urban Development and Planning (3 cr.)

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

The following course:

GEOL G101 Introduction to Earth Science (3 cr.)

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

ECON E103 Introduction to Microeconomics (3 cr.)  
ECON E104 Introduction to Macroeconomics (3 cr.)

Two of the following courses:

SPEA H316 Environmental Health (3 cr.)  
BIOL L200 Environmental Biology and Conservation (3 cr.)  
BIOL L350 Environmental Biology (3 cr.)  
GEOG G213 Introduction to Economic Geography (3 cr.)  
GEOL G300 Environmental and Urban Geology (3 cr.)  
GEOL G316 Mineral Resources (3 cr.)  
POLS Y313 Environmental Policy (3 cr.)

One of the following courses:

SPEA/MATH/PSY K300 Statistical Techniques (3 cr.)  
ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)



**Public Administration**

Four of the following courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.) (if not taken to meet public affairs core requirement)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

**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 advisor and the campus director.

**SPEA Minors**

Any Indiana University student enrolled in a baccalaureate program may pursue one or more of the minors offered by the School of Public and Environmental Affairs. Individuals interested in one or more of these minors should inquire in the SPEA undergraduate advising office for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, health, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

**Public and Environmental Affairs****Requirements (Five courses)**

One of the following courses:

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

The following course:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*
- SPEA V263 Public Management (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.)

**SPEA V373 Personnel Management in the Public Sector (3 cr.)****SPEA V376 Law and Public Policy (3 cr.)****SPEA V432 Labor Relations in the Public Sector (3 cr.)****SPEA V450 Contemporary Issues in Public Affairs (3 cr.) *May be repeated***

or other courses in public or environmental affairs approved by a SPEA advisor

**Criminal Justice****Requirements (Five courses)**

The following course:

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

One of the following courses:

- \*SPEA J301 Substantive Criminal Law (3 cr.) or
- SPEA J401 Criminal Law and Procedure (3 cr.)

Three of the following courses:

- \*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
- SPEA J306 The Criminal Courts (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J331 Introduction to Corrections (3 cr.)

**Environmental Science and Health****Requirements (Five courses)**

The following course:

- SPEA H316 Environmental Health (3 cr.)

One of the following courses:

- SPEA H416 Environmental Health Policy (3 cr.)
- POLS Y313 Environmental Policy (3 cr.)

Three additional courses in environmental science and health approved by a SPEA faculty advisor.

**Health Systems Administration****Requirements (Five courses)**

The following course:

- SPEA H320 Health Systems Administration (3 cr.)

One of the following courses:

- SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)

Three of the following courses:

- SPEA H352 Health Finance and Budgeting (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H455 Topics in Public Health (Approved Topics) (3 cr.) *May be repeated*

**Area Certificate Programs****General Requirements**

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

**Area Certificate in Public Affairs**

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

**Certificate Requirements**

(Nine courses)

The following courses:

- SPEA V170 Introduction to Public Affairs (3 cr.)
- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA E272 Introduction to Environmental Sciences (3 cr.)

A total of two courses from groups A, B, and C, with no more than one course from any group.

**A. Organizational Behavior**

- SPEA J310 Introduction to Administrative Processes (3 cr.)
- BUS Z301 Organizational Behavior and Leadership (3 cr.)
- BUS Z302 Managing and Behavior in Organizations (3 cr.)

**B. Public Administration**

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

**C. Law**

- SPEA J301 Substantive Criminal Law (3 cr.)
- SPEA J401 Criminal Law and Procedure (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- BUS L201 Legal Environment of Business (3 cr.)
- POLS Y304 American Constitutional Law I (3 cr.)

Choose any four of the following courses:

**Public Affairs**

- SPEA V260 Topics in Public Affairs (approved topics) (3 cr.) *May be repeated*
- SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
- SPEA V348 Management Science (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*
- SPEA V472 Policy Processes in the U.S. (3 cr.)

**Criminal Justice**

- SPEA J101 The American Criminal Justice System (3 cr.)
- SPEA J302 Procedural Criminal Law (3 cr.)
- SPEA J322 Introduction to Criminalistics (3 cr.)
- SPEA J370 Seminar in Criminal Justice (3 cr.) *May be repeated*
- SPEA J401 Criminal Law and Procedure (3 cr.)
- SPEA J439 Crime and Public Policy (3 cr.)

**Political Science**

- POLS Y200 Citizen and the Courts (3 cr.)
- POLS Y302 Public Bureaucracy in Modern Society (3 cr.)
- POLS Y306 State Politics in the U.S. (3 cr.)
- POLS Y394 Public Policy Analysis (3 cr.)
- SOC S320 Deviant Behavior and Social Control (3 cr.)
- SOC S325 Criminology (3 cr.)
- SOC S326 Sociology of Law (3 cr.)
- SOC S361 Cities and Suburbs (3 cr.)

**Area Certificate in Public Health**

The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.



## Certificate Requirements

(Six courses)

The following three courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA H320 Health Systems Administration (3 cr.)
- SPEA H322 Principles of Epidemiology (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

## South Bend Programs

### Bachelor of Science Degree Programs

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

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

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

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

### Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours.

#### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

(Three courses for a minimum of 9 credit hours)

The following writing courses:

- ENG W131 Elementary Composition (3 cr.)
- or equivalent campus option
- ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S121 Public Speaking (3 cr.)
- SPCH S223 Business and Professional Communication (3 cr.)
- SPCH S228 Argumentation and Debate (3 cr.)
- SPCH S229 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

(Five courses for a minimum of 15 credit hours)

The following two courses:

- HIST H105 American History I (3 cr.)
- HIST H106 American History II (3 cr.)

Three courses from at least two of the following subject areas:

- Afro-American studies
- Classical studies
- Comparative literature
- English
- Fine arts
- Folklore
- Foreign languages and literature
- History
- History and philosophy of science
- Musicology and music history
- Philosophy
- Religious studies
- Speech
- Theatre and drama

#### Social Sciences

(Six courses for a minimum of 18 credit hours)

The following four courses:

- POLS Y103 Introduction to American Politics (3 cr.)
- ECON E103 Introduction to Microeconomics (3 cr.)
- ECON E104 Introduction to Macroeconomics (3 cr.)
- SPEA V371 Financing Public Affairs (3 cr.)

Two courses from the following areas:

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



**Natural Sciences**

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

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

**Biology**

- BIOL L100 Humans and the Biological World (5 cr.)  
 BIOL L101 Introduction to Biological Sciences I (5 cr.)  
 BIOL L102 Introduction to Biological Sciences II (5 cr.)

**Chemistry**

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

**Earth Sciences**

- GEOG G107 Physical Systems of the Environment (3 cr.)  
 GEOG G109 Weather and Climate (3 cr.)  
 GEOL G111 Physical Geology (3 cr.)  
 GEOL G112 Historical Geology (3 cr.)

**Physics**

- PHYS P100 Physics in the Modern World (3-5 cr.)  
 PHYS P201 General Physics I (5 cr.)  
 PHYS P202 General Physics II (5 cr.)

**Quantitative Methods**

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

- One of the following computer courses:  
 SPEA V261 Computers in Public Affairs (3 cr.)  
 BUS K201 The Computer in Business (2-3 cr.)  
 CSCI A106 Introduction to Microcomputers and Computing (3 cr.)  
 CSCI C106 Introduction to Computers and Their Use (3 cr.)  
 CSCI A200 Computer Literacy (3 cr.)  
 CSCI A201 Introduction to Computer Science (4 cr.)

- Two of the following mathematics courses:  
 MATH M118 Finite Mathematics (3 cr.)  
 MATH M119 Brief Survey of Calculus I (3 cr.)  
 MATH M215 Calculus I (5 cr.)  
 MATH M125 Pre-Calculus Mathematics (3 cr.)

- One of the following statistics courses:  
 SPEA K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)

**SOC S258 Elementary Social Research Techniques (3 cr.)****General Electives**

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

**Public Affairs Core**

- (Seven courses)  
 SPEA V170 Introduction to Public Affairs (3 cr.)  
 SPEA V263 Public Management (3 cr.)  
 SPEA V264 Urban Structure and Policy (3 cr.)  
 SPEA E272 Introduction to Environmental Sciences (3 cr.)  
 SPEA V348 Management Science (3 cr.)  
 SPEA V372 Government Finance and Budgets (3 cr.)  
 SPEA V376 Law and Public Policy (3 cr.)

**Majors****Criminal Justice**

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

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

- One of the following courses:  
 SPEA J306 The Criminal Courts (3 cr.)  
 SPEA J321 Introduction to American Law Enforcement (3 cr.)  
 SPEA J331 Introduction to Corrections (3 cr.)

Three additional courses with SPEA faculty advisor approval.

**Environmental Policy**

- (Ten courses)  
 One of the following sequences of chemistry courses:  
 CHEM C101 Elementary Chemistry I (3 cr.)  
 CHEM C121 Elementary Chemistry Lab I (2 cr.)  
 CHEM C102 Elementary Chemistry II (3 cr.)  
 CHEM C122 Elementary Chemistry Lab II (2 cr.)  
 or  
 CHEM C105 Principles of Chemistry I (3 cr.)  
 CHEM C125 Experimental Chemistry I (2 cr.)  
 CHEM C106 Principles of Chemistry II (3 cr.)  
 CHEM C126 Experimental Chemistry II (2 cr.)

- One of the following courses:  
 BIOL L100 Humans and the Biological World (5 cr.)  
 BIOL L101 Introduction to Biological Sciences I (5 cr.)

**BIOL L102 Introduction to Biological Sciences II (5 cr.)**

- One of the following courses:  
 GEOG G107 Physical Geography (3-5 cr.)  
 GEOL G111 Physical Geology (3 cr.)

- One of the following courses:  
 SPEA H316 Environmental Health (3 cr.)  
 GEOG G315 Environmental Conservation (3 cr.)

- Two of the following three courses:  
 SPEA E400 Environmental Economics (3 cr.)  
 BUS L409 Law and the Environment (3 cr.)  
 POLS Y313 Environmental Policy (3 cr.)

- The following course:  
 SPEA E475 Techniques in Environmental Science (3 cr.)

**Legal Studies**

(Eight courses)

- One of the following courses:  
 PHIL P150 Elementary Logic (3 cr.)  
 PHIL P250 Introduction to Symbolic Logic (3 cr.)

- The following five courses:  
 ENG W350 Advanced Expository Writing (3 cr.)  
 POLS Y304 Judicial Process and American Constitutional Law I (3 cr.)  
 POLS Y305 Judicial Process and American Constitutional Law II (3 cr.)  
 SPEA V435 Alternative Dispute Resolution (3 cr.)  
 SPEA V490 Directed Research in Public and Environmental Affairs (3 cr.)

Two additional law-related courses chosen in consultation with a faculty advisor

**Management**

(Six courses)

- The following two courses:  
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)  
 SPEA V368 Managing Government Operations (3 cr.)

Four additional courses chosen in consultation with a faculty advisor.

**Bachelor of Science in Health Services Management**

This 120 credit hour degree is intended for people who hold an associate degree from an accredited institution and have experience in a health care field. Students who complete this degree are eligible to sit for the Long-Term Care Administrators Examination after they

have fulfilled the Administrator-in-Training requirement.

**DEGREE REQUIREMENTS**

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

**General Education**

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

The following writing courses:  
 ENG W131 Elementary Composition (3 cr.) or approved option  
 ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:  
 SPCH S121 Public Speaking (3 cr.)  
 SPCH S223 Business and Professional Communication (3 cr.)  
 SPCH S228 Argumentation and Debate (3 cr.)  
 SPCH S229 Discussion and Group Methods (3 cr.)

**Arts and Humanities**

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

- Afro-American studies
- Classical studies
- Comparative literature
- English
- Fine arts
- Folklore
- Foreign languages and literature
- History
- History and philosophy of science
- Musicology and music history
- Philosophy
- Religious studies
- Speech
- Theatre and drama

**Social Sciences**

(Four courses for a minimum of 12 credit hours)

- The following courses:  
 ECON E103 Introduction to Microeconomics (3 cr.)  
 ECON E104 Introduction to Macroeconomics (3 cr.)  
 POLS Y103 Introduction to American Politics (3 cr.)

One approved course from one of the following subject areas:

- Anthropology
- Geography
- Journalism
- Linguistics
- Political science
- Psychology
- Sociology



**Natural Sciences**

(Two courses for a minimum of 6 credit hours)

The following courses:

- BIOL L100 Humans and the Biological World (5 cr.)  
 BIOL L101 Introduction to Biological Sciences I (5 cr.)  
 BIOL L102 Introduction to Biological Sciences II (5 cr.)  
 BIOL P130 Human Biology (4 cr.)

**Quantitative Methods**

(Three courses for a minimum of 9 credit hours)

One of the following computer courses:

- SPEA V261 Computers in Public Affairs (3 cr.)  
 BUS K201 The Computer in Business (3 cr.)  
 CSCI A106 Introduction to Microcomputers and Computing (3 cr.)  
 CSCI C106 Introduction to Computers and Their Use (3 cr.)  
 CSCI A200 Computer Literacy (3 cr.)  
 CSCI A201 Introduction to Programming I (4 cr.)

One of the following mathematics courses:

- MATH M118 Finite Mathematic (3 cr.)  
 MATH M119 Brief Survey of Calculus (3 cr.)  
 MATH M215 Calculus I (5 cr.)

One of the following statistics courses:

- SPEA K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.) or approved option

**General Electives**

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

**Management Core**

The following four courses:

- SPEA V263 Public Management (3 cr.)  
 SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)  
 SPEA V348 Management Science (3 cr.)  
 SPEA V366 Managing Behavior in Public Organizations (3 cr.)

**Health Services Management**

(Nine courses)

The following five courses:

- SPEA H316 Environmental Health (3 cr.)  
 SPEA H320 Health Systems Administration (3 cr.)  
 SPEA H322 Principles of Epidemiology (3 cr.)  
 SPEA H352 Health Finance and Budgeting (3 cr.)  
 SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)

Four of the following five courses:

- SPEA H402 Hospital Administration (3 cr.)  
 SPEA H411 Long-Term Care Administration (3 cr.)  
 SPEA H441 Legal Aspects of Health Care Administration (3 cr.)  
 SPEA H455 Topics in Public Health (3 cr.) *May be repeated*  
 SPEA H474 Health Administration Seminar (3 cr.)

**Bachelor of Science in Criminal Justice**

The Bachelor of Science in Criminal Justice requires 120 credit hours.

**DEGREE REQUIREMENTS**

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

**General Education****Communications**

(Three courses for a minimum of 9 credit hours)

The following writing courses:

- ENG W131 Elementary Composition (3 cr.) or equivalent campus option  
 ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S121 Public Speaking (3 cr.)  
 SPCH S223 Business and Professional Communication (3 cr.)  
 SPCH S228 Argumentation and Debate (3 cr.)  
 SPCH S229 Discussion and Group Methods (3 cr.)

**Quantitative Methods**

(Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:

- MATH M118 Finite Mathematics (3 cr.)  
 MATH M119 Survey of Calculus I (3 cr.)  
 MATH M125 PreCalculus I Mathematics (3 cr.)  
 MATH M215 Calculus (5 cr.)

One of the following statistics courses:

- SPEA K300 Statistical Techniques (3 cr.)  
 ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
 PSY P324 Statistical Analysis in Psychology (3 cr.)  
 SOC S351 Social Statistics (3 cr.)

One of the following computer courses:

- SPEA V450 Introduction to Microcomputers (3 cr.)  
 SPEA V461 Computer Applications in Public Affairs (3 cr.)  
 BUS K201 Computer in Business (3 cr.)  
 CSCI A106 Introduction to Computing (3 cr.)

CSCI C201 Introduction to Computer Science (3 cr.)

**Arts and Humanities**

(Four courses for a minimum of 12 credit hours)

Two of the following courses:

- HIST H105 American History I (3 cr.)  
 HIST H106 American History II (3 cr.)  
 POLS Y304 American Constitutional Law I (3 cr.)  
 POLS Y305 American Constitutional Law II (3 cr.)

Two courses selected from the following subject areas:

- Afro-American studies  
 Classical studies  
 Comparative literature  
 English  
 Fine arts  
 Foreign languages and literature  
 Folklore  
 History  
 History and philosophy of science  
 Musicology and music history  
 Philosophy  
 Religious studies  
 Speech  
 Theatre and drama

**Natural Sciences**

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

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

**Social and Behavioral Sciences**

(Five courses for a minimum of 15 credit hours)

Four from the following courses:

- PSY P103 General Psychology (3 cr.)  
 PSY P324 Abnormal Psychology (3 cr.)  
 SOC S161 Principles of Sociology (3 cr.)  
 SOC S163 Social Problems (3 cr.)  
 SOC S320 Deviant Behavior and Social Control (3 cr.)  
 SOC S325 Criminology (3 cr.)  
 SOC S328 Juvenile Delinquency (3 cr.)  
 SOC S420 Topics in Deviance (3 cr.)

One course selected from the following subject areas:

- Anthropology  
 Economics  
 Political science

**General Electives**

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

**Public Affairs and Policy**

Four of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)  
 SPEA V170 Introduction to Public Affairs (3 cr.)  
 SPEA V263 Public Management (3 cr.)  
 SPEA V264 Urban Structure and Policy (3 cr.)  
 SPEA V348 Management Science (3 cr.)  
 SPEA V372 Government Finance and Budgets (3 cr.)  
 SPEA V376 Law and Public Policy (3 cr.) or additional courses approved in consultation with an advisor.

**Criminal Justice**

(Ten courses)

The following seven courses:

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

Three of the following courses:

- SPEA J302 Procedural Criminal Law (3 cr.)  
 SPEA J303 Evidence (3 cr.)  
 SPEA J304 Correctional Law (3 cr.)  
 SPEA J305 The Juvenile Justice System (3 cr.)  
 SPEA J320 Criminal Investigation (3 cr.)  
 SPEA J370 Seminar in Criminal Justice (3 cr.) *May be repeated*  
 SPEA J376 Principles of Public Safety (3 cr.)  
 SPEA J440 Corrections in the Community (3 cr.)  
 SPEA J445 Trends in Corrections (3 cr.)  
 SPEA J460 Police in the Community (3 cr.)  
 SPEA J470 Seminar in Criminal Justice (3 cr.)  
 SPEA J480 Research in Criminal Justice (1-6 cr.)

**Associate of Science Degree Programs**

The School of Public and Environmental Affairs offers two associate degree programs. Courses that meet associate degree requirements generally can be applied to a subsequent baccalaureate degree program. The



following are general requirements for the completion of an associate degree:

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

## Associate of Science in Criminal Justice

### DEGREE REQUIREMENTS

The SPEA curriculum is divided into four categories—general education, electives, a public policy course, and criminal justice.

#### General Education

##### Communications

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

The following writing courses:

- ENG W131 Elementary Composition (3 cr.) or equivalent campus-approved option  
ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S21 Public Speaking (3 cr.)  
SPCH S223 Business and Professional Communication (3 cr.)  
SPCH S228 Argumentation and Debate (3 cr.)  
SPCH S229 Discussion and Group Methods (3 cr.)

##### Arts and Humanities

One course, for a minimum of 3 credit hours, from one of the following subject areas.

- Afro-American studies  
Classical studies  
Comparative literature  
English  
Fine arts  
Folklore

Foreign languages and literature

History: H105 or H106 recommended

Musicology and music history

Philosophy

##### Religious studies

##### Speech

Theatre and drama

##### Social and Behavioral Sciences

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

- Anthropology  
Economics  
Geography  
Journalism  
Linguistics  
Political science  
Psychology  
Sociology

##### Natural Sciences

One course, for a minimum of 3 credit hours, from one of the following subject areas.

- Anatomy and physiology  
Astronomy  
Biology  
Botany  
Chemistry  
Geology  
Physics  
Zoology

Or one of the following cross-listed courses:

- GEOG G107 Physical Systems of the Environment (3 cr.)  
GEOG G303 Weather and Climate (3 cr.)  
GEOG G304 Meteorology and Climatology (3 cr.)

##### Quantitative Methods (one course)

An approved course (must be at least 3 credit hours) from one of the following subject areas:

- Computer science  
Mathematics  
Statistics

##### General Electives

Additional courses beyond the general education, public policy, and criminal justice requirements are needed to complete the Associate of Science degree requirement of 60 credit hours.

##### Public Policy

The following course:

- SPEA V170 Introduction to Public Affairs (3 cr.)

##### Criminal Justice

(Six courses)

The following course:

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

Three of the following courses:

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

SPEA J306 The Criminal Courts (3 cr.)

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

SPEA J331 Introduction to Corrections (3 cr.)

Two additional SPEA criminal justice courses (6 cr.)

SPEA J201 and SPEA J202 recommended

## Associate of Science in Public Affairs

Students must complete one of the following concentrations: Criminal Justice, Emergency Services Administration, Environmental Affairs, Public Administration, or a specialized program approved by a SPEA advisor.

### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

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

The following writing courses:

- ENG W131 Elementary Composition (3 cr.) or equivalent campus-approved option  
ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

- SPCH S121 Public Speaking (3 cr.)  
SPCH S223 Business and Professional Communication (3 cr.)  
SPCH S228 Argumentation and Debate (3 cr.)  
SPCH S229 Discussion and Group Methods (3 cr.)

##### Social Sciences

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

The following two courses:

- ECON E103 Introduction to Microeconomics (3 cr.) or ECON E104 Introduction to Macroeconomics (3 cr.)  
POLS Y103 Introduction to American Politics (3 cr.)

One course from sociology or psychology

##### Quantitative Methods

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

One of the following computer science courses:

- SPEA V261 Computers in Public Affairs (3 cr.)  
BUS K201 The Computer in Business (3 cr.)  
CSCI A106 Introduction to Microcomputers and Computing (3 cr.)  
CSCI A201 Introduction to Programming I (4 cr.)

One approved mathematics course:  
MATH M118 Finite Mathematics (3 cr.) or  
MATH M119 Brief Survey of Calculus I (3 cr.)  
Note: Environmental Affairs Concentration students must select a course in calculus to satisfy this requirement.

##### Arts and Humanities

One course from one of the following subject areas for a minimum of 3 credit hours

- Afro-American studies  
Classical studies  
Comparative literature

##### English

Fine arts

Folklore

Foreign languages and literature

History: H105 or H106 recommended

History and philosophy of science

Musicology and music history

Philosophy

Religious studies

Speech

Theatre and drama

#### General Electives

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

#### Public Affairs Core

(Four courses)

The following courses:

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

One of the following courses:

- SPEA E262 Environment: Problems and Prospects (3 cr.)  
SPEA E272 Introduction to Environmental Sciences (3 cr.)

One of the following courses:

- SPEA V270 Survey of Administrative Techniques (3 cr.)  
SPEA V366 Managing Behavior in Public Organizations (3 cr.)

#### Areas of Concentration

##### Criminal Justice

This concentration provides an introduction to law enforcement, correctional administration, and criminal law and procedure.

Requirements (Five courses)

The following course:

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

One of the following courses:

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



One of the following courses:

- SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
- SPEA J202 Criminal Justice Data, Methods, and Resources (3 cr.)
- SPEA J306 The Criminal Courts (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J331 Introduction to Corrections (3 cr.)

Two additional criminal justice courses.

**Emergency Services Administration**  
The Emergency Services Administration Concentration provides managerial skills to emergency service personnel.

Requirements (Five courses)

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

Three of the following courses:

- SPEA H320 Health Systems Administration (3 cr.)
- SPEA J376 Principles of Public Safety (3 cr.)
- SPEA K300 Statistical Techniques (3 cr.) or other approved course
- SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
- SPEA V348 Management Science (3 cr.)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)

Students are required to complete successfully an approved administrative field experience course of at least 3 credit hours. The field experience requirement may be satisfied through an internship or special project that must have an advisor's prior approval.

#### Environmental Affairs

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

Requirements (Seven courses)

The following course:  
SPEA V365 Urban Development and Planning (3 cr.)

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

One of the following courses:

- GEOG G101 Introduction to Earth Science (3 cr.)
- GEOG G107 Physical Systems of the Environment (3-5 cr.)
- GEOL G103 Earth Science: Materials and Processes (3 cr.)
- GEOL G107 Environmental Geology (3 cr.)
- GEOL G110 Geology: The Earth's Environment (3 cr.)
- GEOL G111 Physical Geology (3 cr.)

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

- ECON E103 Introduction to Microeconomics (3 cr.)
- ECON E104 Introduction to Macroeconomics (3 cr.)

Two of the following courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA E431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA E451 Air Pollution and Control (3 cr.)
- SPEA E452 Solid and Hazardous Waste Management (3 cr.)
- B10L L350 Environmental Biology (3 cr.)
- GEOG G213 Introduction to Economic Geography (3 cr.)
- GEOG G303 Weather and Climate (3 cr.)
- GEOG G304 Meteorology and Physical Climatology (3 cr.)
- GEOG G306 The Geography of Current Issues (3 cr.)
- GEOG G315 Environmental Conservation (3 cr.)
- GEOL G300 Environmental and Urban Geology (3 cr.)
- GEOL G316 Mineral Resources (3 cr.)
- GEOL G415 Geomorphology (3 cr.)
- POLS Y313 Environmental Policy (3 cr.)

One of the following courses:

- SPEA K300 Statistical Techniques (3 cr.)
- ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)
- MATH/PSY K310 Statistical Techniques (3 cr.)
- POLS Y205 Elements of Political Analysis (3 cr.)
- PSY B305 Statistics (3 cr.)
- SOC S250 Methods and Statistics I (3 cr.)
- Statistics 301 Elementary Statistical Methods I (3 cr.)

#### Public Administration

The Public Administration Concentration provides an overview of the primary areas of public administration.

Four of the following courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.) (if not taken to meet public affairs core requirement)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*

#### 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 advisor and the campus director.

## SPEA Minors

Any Indiana University student enrolled in a baccalaureate program may pursue one or more of the minors offered by the School of Public and Environmental Affairs. Individuals interested in one or more of these minors should inquire in the SPEA undergraduate advising office for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. SPEA's multidisciplinary faculty and curriculum address environmental, health, public policy, and management issues from a variety of perspectives. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

#### Public and Environmental Affairs

Requirements (Five courses)

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

One of the following courses:

- SPEA E162 Environment and People (3 cr.)
- SPEA E272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

- SPEA E272 Introduction to Environmental Sciences (3 cr.)
- SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*
- SPEA V263 Public Management (3 cr.)
- SPEA V366 Managing Behavior in Public Organizations (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V444 Public Administrative Organization (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (3 cr.) *May be repeated* or other courses in public or environmental affairs approved by a SPEA advisor

#### Criminal Justice

Requirements (Five courses)

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

One of the following courses:

- \*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
- \*SPEA J301 Substantive Criminal Law (3 cr.)

Three of the following courses:

- \*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)
- \*SPEA J301 Substantive Criminal Law (3 cr.)
- SPEA J306 The Criminal Courts (3 cr.)
- SPEA J321 Introduction to American Law Enforcement (3 cr.)
- SPEA J331 Introduction to Corrections (3 cr.)

#### Health Systems Administration

Requirements (Five courses)

The following course:

- SPEA H320 Health Systems Administration (3 cr.)

One of the following courses:

- SPEA H371 Human Resource Management in Health Care Facilities (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)

Three of the following courses:

- SPEA H352 Health Finance and Budgeting (3 cr.)
- SPEA H402 Hospital Administration (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H455 Topics in Public Health (Approved Topics) (3 cr.) *May be repeated*

## Area Certificate Programs

#### General Requirements

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

\*J201 and J301 can only be taken once each for credit.



## Area Certificate in Environmental Studies

The certificate introduces students to selected aspects of current thinking and research on the nature, causes, and solutions to environmental problems.

### Certificate Requirements (Seven courses)

Students must complete one of the following options:

#### Option I (for science majors)

All of the following courses:

- SPEA E262 Environment: Problems and Prospects (3 cr.)
- SPEA E272 Introduction to Environmental Sciences (3 cr.)
- SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*
- SPEA V365 Urban Development and Planning (3 cr.)
- BIOL L473 Ecology (3 cr.)
- GEOG C315 Environmental Conservation (3 cr.)
- SOC S305 Population (3 cr.)

#### Option II (for nonscience majors)

All of the following courses:

- SPEA E262 Environment: Problems and Prospects (3 cr.) or SPEA E272 Introduction to Environmental Sciences (3 cr.)
- SPEA E400 Topics in Environmental Studies (2-3 cr.) *May be repeated*
- SPEA V365 Urban Development and Planning (3 cr.)
- BIOL L350 Environmental Biology (3 cr.)
- GEOG C315 Environmental Conservation (3 cr.)
- PHYS E250 The Environment and Physics (3 cr.)
- SOC S305 Population (3 cr.)

## Area Certificate in Public Affairs

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

### Certificate Requirements (Nine courses)

The following courses:

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

One of the following courses:

- SPEA E262 Environment: Problems and Prospects (3 cr.)
- SPEA E272 Introduction to Environmental Sciences (3 cr.)

A total of two courses from groups A, B, and C, with no more than one course from any group.

#### A. Organizational Behavior

- SPEA J310 Introduction to Administrative Processes (3 cr.)
- BUS Z300 Organizational Behavior and Leadership (3 cr.)
- BUS Z301 Organizational Behavior and Leadership (3 cr.)
- BUS Z302 Managing and Behavior in Organizations (3 cr.)

#### B. Public Administration

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

#### C. Law

- SPEA J301 Substantive Criminal Law (3 cr.)
- SPEA J401 Criminal Law and Procedure (3 cr.)
- SPEA V376 Law and Public Policy (3 cr.)
- BUS L201 Legal Environment of Business (3 cr.)
- POLS Y304 American Constitutional Law I (3 cr.)
- POLS Y305 American Constitutional Law II (3 cr.)

Choose any four of the following courses:

#### Public Affairs

- SPEA V260 Topics in Public Affairs (approved topics) (3 cr.) *May be repeated*
- SPEA V346 Introduction to Government Accounting and Financial Reporting (3 cr.)
- SPEA V348 Management Science (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- SPEA V372 Government Finance and Budgets (3 cr.)
- SPEA V373 Personnel Management in the Public Sector (3 cr.)
- SPEA V432 Labor Relations in the Public Sector (3 cr.)
- SPEA V441 Topics in Financial Management and Policy (3 cr.) *May be repeated*
- SPEA V442 Topics in Budgeting or Cost/Benefit (3 cr.) *May be repeated*
- SPEA V444 Public Administrative Organization (3 cr.)
- SPEA V447 Federal Budget Policy (3 cr.)
- SPEA V449 Senior Policy Seminar (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*
- SPEA V472 Policy Processes in the U.S. (3 cr.)

#### Criminal Justice

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

- SPEA J302 Procedural Criminal Law (3 cr.)
- SPEA J322 Introduction to Criminalistics (3 cr.)
- SPEA J370 Seminar in Criminal Justice (3 cr.) *May be repeated*
- SPEA J401 Criminal Law and Procedure (3 cr.)
- SPEA J439 Crime and Public Policy (3 cr.)

#### Geography

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

#### Political Science

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

#### Sociology

- SOC S320 Deviant Behavior and Social Control (3 cr.)
- SOC S325 Criminology (3 cr.)
- SOC S326 Sociology of Law (3 cr.)
- SOC S361 Cities and Suburbs (3 cr.)

## Area Certificate in Public Health

The curriculum is designed to provide students with a basic understanding of environmental health issues, current health policies, and the structure of the medical care delivery system.

### Certificate Requirements (Six courses)

The following three courses:

- SPEA H316 Environmental Health (3 cr.)
- SPEA H320 Health Systems Administration (3 cr.)
- SPEA H322 Principles of Epidemiology (3 cr.)

Three of the following courses:

- SPEA E400 Topics in Environmental Studies (approved topics) (2-3 cr.) *May be repeated*
- SPEA H342 Community Health Education (3 cr.)
- SPEA H411 Long-Term Care Administration (3 cr.)
- SPEA H416 Environmental Health Policy (3 cr.)
- SPEA H441 Legal Aspects of Health Care Administration (3 cr.)
- SPEA H460 Techniques in Environmental Health (3 cr.)
- SPEA V450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) *May be repeated*
- ECON E387 Health Economics (3 cr.)

## Area Certificate in Urban Studies

The undergraduate Urban Studies Certificate Program introduces students to selected aspects of current thinking and research in urban life and development.

### Certificate Requirements (Seven courses)

All of the following courses:

- SPEA V264 Urban Structure and Policy (3 cr.)
- SPEA V365 Urban Development and Planning (3 cr.)
- BUS C330 Principles of Urban Economics (3 cr.)
- GEOG G314 Urban Geography (3 cr.)
- HIST A347 American Urban History (3 cr.)
- POLS Y308 Urban Politics (3 cr.)
- SOC S306 Urban Society (3 cr.)



## Kokomo Programs

### Bachelor of Science Degree Programs

The School of Public and Environmental Affairs recognizes the complex problems facing our society such as community and police relations, urban crime, and correctional facilities problems. Through the bachelor of science degree program the school develops its students' problem-solving abilities and organizational skills so that they may contribute possible solutions to these and other problems.

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

### Bachelor of Science in Criminal Justice

The Bachelor of Science in Criminal Justice requires 120 credit hours.

#### DEGREE REQUIREMENTS

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

#### General Education

##### Communications

(Three courses for a minimum of 9 credit hours)

The following course:

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

One of the following:

ENG W132 Elementary Composition II (3 cr.)  
ENG W231 Professional Writing Skills (3 cr.)  
ENG W233 Intermediate Expository Writing (3 cr.)

One of the following speech courses:

SPCH S121 Public Speaking (3 cr.)  
SPCH S122 Interpersonal Communication (3 cr.)  
SPCH S223 Business and Professional Communication (3 cr.)  
SPCH S229 Discussion and Group Methods (3 cr.)

##### Quantitative Methods

(Three courses for a minimum of 9 credit hours)

One of the following mathematics courses:

MATH M118 Finite Mathematics (3 cr.)  
MATH M119 Brief Survey of Calculus I (3 cr.)  
MATH M215 Calculus I (5 cr.)  
MATH 163 Integrated Calculus and Analytic Geometry I (5 cr.)

Other approved mathematics courses.

One of the following statistics courses:

ECON E270 Introduction to Statistical Theory in Economics and Business (3 cr.)  
PSY K300 Statistical Techniques (3 cr.)  
STAT 301 Elementary Statistical Methods (3 cr.)

One of the following computer courses:

BUS K201 The Computer in Business (3 cr.)  
CSCI C106 Introduction to Computers and Their Use (3 cr.)  
CSCI C180 Basic Programming (3 cr.)

#### Arts and Humanities

(Four courses for a minimum of 12 credit hours)

Two of the following courses:

HIST H105 American History I (3 cr.)  
HIST H106 American History II (3 cr.)

Two courses selected from the following subject areas:

Afro-American studies  
Appreciation of music  
Classical studies  
Comparative literature  
English  
Fine arts  
Foreign languages and literature  
Folklore  
History  
History and philosophy of science  
Philosophy  
Religious studies  
Speech  
Theatre

#### Natural Sciences

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

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

#### Social and Behavioral Sciences

(Five courses for a minimum of 15 credit hours)

Four from the following two areas:

Psychology  
PSY P103 General Psychology (P101 or P102 counts) (3 cr.)  
PSY P320 Social Psychology (3 cr.)  
PSY P324 Abnormal Psychology (3 cr.)

#### Sociology

SOC S100 Introduction to Sociology (3 cr.)  
SOC S101 Social Problems and Policies (3 cr.)  
SOC S325 Criminology (3 cr.)  
SOC S328 Juvenile Delinquency (3 cr.)  
SOC S420 Topics in Deviance (3 cr.)

One course selected from the following subject areas:

Anthropology  
Economics  
Political science

#### General Electives

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

#### Public Affairs and Policy

Each of the following courses:  
SPEA V170 Introduction to Public Affairs (3 cr.)

SPEA V263 Public Management (3 cr.)  
SPEA V264 Urban Structure and Policy (3 cr.)  
SPEA V376 Law and Public Policy (3 cr.)  
or additional courses approved in consultation with an advisor.

#### Criminal Justice

(Ten courses)

The following eight courses:

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

Two of the following courses:

SPEA J302 Procedural Criminal Law (3 cr.)  
SPEA J303 Evidence (3 cr.)  
SPEA J304 Correctional Law (3 cr.)  
SPEA J305 The Juvenile Justice System (3 cr.)  
SPEA J320 Criminal Investigation (3 cr.)  
SPEA J370 Seminar in Criminal Justice (3 cr.)  
May be repeated  
SPEA J376 Principles of Public Safety (3 cr.)

SPEA J440 Corrections in the Community (3 cr.)

SPEA J445 Trends in Corrections (3 cr.)

SPEA J460 Police in the Community (3 cr.)

SPEA J470 Seminar in Criminal Justice (3 cr.)

SPEA J480 Research in Criminal Justice (1-6 cr.)

### Associate of Science Degree Programs

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

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

### Associate of Science in Criminal Justice

#### DEGREE REQUIREMENTS

The SPEA curriculum is divided into four categories—general education, electives, a public policy course, and criminal justice.

#### General Education

##### Communications

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

The following writing course:

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

One of the following:

ENG W132 Elementary Composition II (3 cr.)  
ENG W231 Professional Writing Skills (3 cr.)

One of the following speech courses:

SPCH S121 Public Speaking (3 cr.)



SPCH S122 Interpersonal Communication (3 cr.)  
 SPCH S223 Business and Professional Communication (3 cr.)  
 SPCH S229 Discussion and Group Methods (3 cr.)

#### Arts and Humanities

One course, for a minimum of 3 credit hours, from one of the following subject areas.  
 Afro-American studies  
 Appreciation of music  
 Classics  
 Comparative literature  
 English  
 Fine arts  
 Folklore  
 Foreign languages and literature  
 History: H105 or H106 recommended  
 Musicology and music history  
 Philosophy  
 Religious studies  
 Speech  
 Theatre

#### Social and Behavioral Sciences

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

Anthropology  
 Economics  
 Geography  
 Journalism  
 Political science  
 Psychology  
 Sociology

#### Natural Sciences

One course, for a minimum of 3 credit hours, from one of the following subject areas.

Anatomy and physiology  
 Astronomy  
 Biology  
 Botany  
 Chemistry  
 Geology  
 Physics  
 Zoology

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

#### Quantitative Methods (one course)

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

#### General Electives

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

#### Public Policy

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

#### Criminal Justice

(Six courses)

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

Three of the following courses:

SPEA J301 Substantive Criminal Law (3 cr.)  
 SPEA J306 The Criminal Courts (3 cr.)  
 SPEA J321 Introduction to American Law Enforcement (3 cr.)  
 SPEA J331 Introduction to Corrections (3 cr.)

Two additional SPEA criminal justice courses (6 cr.)  
 SPEA J201 and SPEA J202 recommended

### SPEA Minors

Any Indiana University student enrolled in a baccalaureate program may pursue a minor offered by the School of Public and Environmental Affairs. Individuals interested in this minor should inquire in the SPEA undergraduate advising office for additional details. Students who successfully complete the requirements will have the minor conferred with their degree. A minor in SPEA can enhance career opportunities for liberal arts and other majors.

#### Criminal Justice

Requirements (Five courses)

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

One of the following courses:

\*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
 \*SPEA J301 Substantive Criminal Law (3 cr.)

Three of the following courses:

\*SPEA J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)  
 \*SPEA J301 Substantive Criminal Law (3 cr.)  
 SPEA J306 The Criminal Courts (3 cr.)  
 SPEA J321 Introduction to American Law Enforcement (3 cr.)  
 SPEA J331 Introduction to Corrections (3 cr.)

\* J201 and J301 can only be taken once each for credit.

### Area Certificate Program

#### Correctional Management and Supervision

Indiana University Kokomo offers a 15 credit hour Certificate in Correctional Management and Supervision to assist those interested in employment in the correctional arena or those already serving as correctional officers. The certificate hours may be applied to course requirements for the Associate of Science in Criminal Justice (ASCJ) or the Bachelor of Science in Criminal Justice (BSCJ).

#### Certificate Requirements (Five courses)

SPEA J101 Introduction to the American Criminal Justice System (3 cr.)  
 SPEA J304 Correctional Law (3 cr.)  
 SPEA J331 Introduction to Corrections (3 cr.)  
 SPEA J370 Special Topic—Correctional Counseling (3 cr.)  
 SPEA J370 Special Topic—Correctional Administration (3 cr.)



# Course Descriptions

## Undergraduate Courses

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

### Environmental Courses

**E100 Environmental Topics (3 cr.)** Study of selected issues in environmental affairs. Topics vary from semester to semester. May be repeated for credit.

**E162 Environment and People (3 cr.)** An interdisciplinary examination of the problems of population, pollution, and natural resources and their implications for society. Credit not given for both SPEA E162 and E262.

**E262 Environment: Problems and Prospects (3 cr.)** A survey of different aspects of the interaction between humans and their environment, with an emphasis on the complex interactions within systems. Subjects discussed include population levels, natural resources, energy use, and various types of pollution and means of controlling them. Credit not given for both SPEA E162 and E262.

**E272 Introduction to Environmental Sciences (3 cr.)** P: a statistics course. Application of principles from life and physical sciences to the understanding and management of the environment. Emphasis will be placed on (1) the physical and biological restraints on resource availability and use, and (2) the technological and scientific options to solving environmental problems.

**E311 Introduction to Risk Assessment and Risk Communication (3 cr.)** This course will cover basic human health and risk assessment procedures, as outlined by the various regulatory agencies (especially EPA) and standards settings groups. As risk communication is an integral part of any risk management process, risk communication techniques and applications will be integrated into the course material.

**E325 Computing for Environmental Scientists (1-3 cr.)** P: MATH M118 or M119; K300 or equivalent; SPEA E272. Survey of computing applications to environmental issues. Personal computing emphasized. Application of spreadsheets, graphics, simple statistics, and BASIC programming to

environmental science issues. Manipulation and interpretation of real data, case studies, and projects. Many software packages used.

**E326 Mathematical Methods in Environmental Science (3 cr.)** P: MATH M119 or M211; CSCI C211 or BUS K201; and K300. Mathematical modeling in environmental science. Expressing problems as equations. Applications and numerical evaluation of derivatives and integrals. Derivation and solution of differential equations. Use of package FORTRAN subroutines in problem solving. Statistics applied to environmental science.

**E340 Environmental Economics and Finance (3 cr.)** This course familiarizes students with the principles of environmental economics, finance, and cost-benefit analysis. The incentive effects of environmental policy design are assessed. Policy instruments include tradeable permits, emissions taxes, deposit-refund systems, pollution prevention programs, and voluntary agreements. Project appraisal techniques are then developed and applied to specific case evaluations.

**E360 Introduction to Biological Resources (3 cr.)** P: SPEA E272; any biology course. This course provides the necessary background for students interested in fisheries, wildlife, or forest management who have had little course work or experience with the taxonomy, ecology, or natural history of plants or animals.

**E363 Environmental Management (3 cr.)** Introductory course in environmental management. Subjects covered include current issues and trends, total quality environment management, managing scientific and technical personnel, managing contracts and grants, nontraditional approaches to regulation, environmental conflict resolution, working with the media, risk communication, and working with communities.

**E400 Topics in Environmental Studies (2-3 cr.)** P: SPEA E272. An interdisciplinary consideration of specific environmental topics. May be repeated for credit.

**E410 Introduction to Environmental Toxicology (3 cr.)** P: SPEA E272 or H316; any biology course. Study of toxic mechanisms, pathology, and disease development resulting from exposure to biological and chemical agents in the environment.

**E412 Risk Communication (3 cr.)** Risk communication is the means by which technical information is communicated to others (the public included), especially in the context of making decisions about environmentally related policy (such as siting of a landfill). The course emphasizes both theory (in lectures) and practical experience

through developing and acting in role-play scenarios.

**E418 Vector-Based Geographic Information Systems (3 cr.)** Introduction to geographic information systems using vector data structure Vector GIS capabilities and uses. Data structure and file management of spatial data. Laboratory exercises using ARC/INFO software.

**E419 Applied Remote Sensing of the Environment (3 cr.)** Applications of remotely sensed data and raster geographic information systems in environmental research. Concepts of remote sensing. Image acquisition from different sensors ranging from aerial photography to various types of satellite imagery. Image processing and analysis. Raster geographic information systems. Raster-vector integration. Concepts of spatial analysis.

**E431 Water Supply and Wastewater Treatment (3 cr.)** P: SPEA E272 or H316; CHEM C101 or equivalent; MATH M119 or equivalent. Health and ecological premises for water and wastewater treatment; principles of water supply; treatment, distribution, and construction; basis for water standards and laboratory examinations; wastewater disposal methods and construction for private installations, institutions, municipalities, and industries; water quality control with respect to wastewater pollution.

**E440 Wetlands: Biology and Regulation (3 cr.)** P: SPEA E272 or H316; any biology course. This course trains students to evaluate wetlands to comply with federal, state, and local regulations. It examines the principles that inspired these regulations and assesses the consequences. It seeks to relate the breadth and strength of available scientific knowledge to public policy goals.

**E441 Controversies in Environmental Health (3 cr.)** A skills course in a debate format. Skills are developed by researching, preparing arguments for, and debating topics related to environmental health and health of the environment. Clear writing skills are also emphasized, as the students write up debate evaluations which are critically graded for content, form and style.

**E442 Habitat Analysis—Terrestrial (3 cr.)** This is an experiential field methods course. Students work as teams collecting field data to test hypotheses about forest habitats. Students will learn new methods and field skills in local parks and forests, then prepare scientific reports that incorporate statistical analysis to be presented in a class symposium.

**E443 Habitat Analysis—Aquatic (3 cr.)** This is an experiential field methods course. Students work in teams collecting field data to test hypotheses about aquatic habitats. Students

will learn new methods and field skills in local creeks, lakes, and wetlands, then prepare scientific reports that incorporate statistical analysis to be presented in a class symposium.

**E451 Air Pollution and Control (3 cr.)** P: SPEA E272 or H316; CHEM C101 or equivalent; MATH M119 or equivalent. Type, sources, and behavior of air contaminants; economic, social, and health hazard aspect of air pollutants; principles of evaluation; indices of pollution and their worth; control measures, organization, and administration of community control programs.

**E452 Solid and Hazardous Waste Management (3 cr.)** P: SPEA E272 or H316. Types and sources of solid waste; collection methods; disposal techniques: sanitary landfill, incineration, composting, reclaiming, or recycling; advantages and disadvantages of each; special and hazardous waste handling; operation and management of solid and hazardous waste programs.

**E455 Limnology (4 cr.)** P: SPEA E272 or H316; CHEM C101 or equivalent. Limnology is the ecology of inland lakes and streams, combining the principles of biology, chemistry, geology, and physics to understand how they function. The effects of human perturbation on aquatic systems will be highlighted in both lectures and laboratory work to aid student understanding of the concepts involved.

**E456 Lake and Watershed Management (3 cr.)** P: SPEA E272 or H316; CHEM C101 or equivalent. Students will learn to apply basic limnological principles to diagnose lake and watershed problems, to understand lake response to population, to identify appropriate management solutions, and to predict lake response to management.

**E460 Fisheries and Wildlife Management (3 cr.)** P: SPEA E272 or H316; any biology course. This course first reviews taxonomy, vertebrate biology, and population ecology, then introduces the student to a variety of conflicts concerning fisheries and wildlife. Cases examine endangered species, over harvesting, maximum sustained yield, habitat evaluation, and recreational use.

**E461 Fisheries and Wildlife Management Laboratory (3 cr.)** P: SPEA E272 or H316; any biology course; and SPEA E460 (can be concurrent). Practical experience course where students identify fish and wildlife in the field for the purpose of evaluating the effectiveness of and making recommendations for change to existing wildlife plans.

**E465 Environmental Management in the Tropics (3 cr.)** Historical examination of land use in tropical, non-western cultures. Resource use in physical and cultural settings is explored through an interface with ecology, economics, and policy analysis. Common



principles of analysis are used to help the students understand the cultural and historical dimensions of how people relate to their environment.

**E466 International and Comparative Environmental Policy (3 cr.)** This course explores how stakeholders manage environmental problems that extend beyond national borders. Key questions considered include the following: How do nations resolve environmental conflict? Is environmental diplomacy in a state of crisis? How can we improve international environmental management? Historical, contemporary and emerging institutions for international environmental protection are examined.

**E470 Elements of Fluid Mechanics (3 cr.)** P: E272 or H316; MATH M119 or equivalent. Introduction to fundamental concepts of fluid mechanics which relate to environmental science. Topics are selected from three disciplines. From hydraulics: hydrostatics, flow-through pipes, and open channels. From water surface hydrology: water balances, stream-flow measurements, and calculations. From groundwater hydrology: Darcy's Law, flow nets, and pumping tests.

**E475 Techniques of Environmental Science (3 cr.)** P: SPEA E272 or H316. Principles and methods of sampling, collection, measurement, analysis, interpretation, and presentation of data concerning environmental science. Through lab demonstrations and field work, students will become familiar with instrumentation and analytical methods currently used in environmental analysis. Team instruction will be used to demonstrate techniques.

**E476 Environmental Law and Regulation (3 cr.)** Introductory course in environmental law and regulation. Subjects covered include command and control regulation, air quality, water quality, toxics, waste management, energy, natural resources, international environmental law, and alternative dispute resolution.

**E490 Directed Field Research in Environmental Science (1-4 cr.)** Individualized laboratory or field-based research in any field of environmental science under the direction of an advising professor. Students are expected to write a report on their research at the end of each semester. May be used to fulfill laboratory course requirement with the permission of the appropriate science department.

**E491 Honors Research in Environmental Science (1-4 cr.)** Individualized laboratory or field-based honors research in any field of environmental science under direction of an advising professor. Students are expected to write a report on their research at the end of each semester. May be used to fulfill

laboratory course requirement with permission of the appropriate science department.

## Public Health Courses

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

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

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

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

**H342 Community Health Education (3 cr.)** A study of theory and practice in the field of professional health education. The process of behavioral change is examined. Procedures for the planning, delivery, and evaluation of health education practices are considered.

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

**H353 Advanced Health Finance and Budgeting (3 cr.)** P: SPEA H352 This course builds upon H352 Health Finance and Budget course. Will use a series of case studies to apply techniques and principles taught in SPEA H352.

**H354 Health Economics (3 cr.)** This course will familiarize students with economic tools and principles applied to health care and policy. In addition to the textbook, students will analyze recent articles on federal policy.

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

**H401 Strategic Planning for Health Care Organizations (3 cr.)** This course examines strategic planning techniques as they apply to health care organizations. Students will develop and defend a comprehensive strategic plan for a case facility. One half of the course will be conducted in a workshop format.

**H402 Hospital Administration (3 cr.)** P: SPEA H320. The study of organization, structure, function, and fiscal operations within hospitals. The role of the hospital in the community, relationship to official and voluntary health agencies, coordination of hospital departments, and managerial involvement will be examined.

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

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

**H422 The Social Epidemics: AIDS, Violence, and Substance Abuse (3 cr.)** This course examines HIV/AIDS, violence, and substance abuse in the context of racial, gender, sexual orientation, and class dynamics that may underlie the way these pathologies affect certain populations. Emphasized is the recognition that how we define disease and causation can influence how we attempt to find a cure. (Fort Wayne only)

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

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

**H432 Health Care Marketing (3 cr.)** A practical study of marketing in health care institutions, health service organizations, and health insurers. A basic foundation in marketing principles, new methods in marketing products and services, and inexpensive marketing techniques will be examined.

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

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

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

**H455 Topics in Public Health (1-3 cr.)** Extensive discussion of selected topics in public health. The topic may change from semester to semester as per resource availability and student demand. May be repeated for credit.

**H456 Managed Care (3 cr.)** Course examines the organizational structures of managed care as used in the health industry. The strengths and weaknesses of managed care organizations are examined as well as the performance of both public and private managed care organizations. Course also examines and discusses current issues surrounding managed care.

**H459 Environmental Science and Health Data Analysis (3 cr.)** Provides students with an understanding of basic principles needed to perform sampling and analysis of field and laboratory environmental data. Topics include properties of chemical and biological constituents, detection limits, calibration, quality control, precision accuracy, and statistical analysis.



**H460 Techniques in Environmental Health (3 cr.)** P: SPEA H459. Basic physical, chemical, and biological examinations and standards for potable water quality, wastewater treatment determinations, and stream pollution control. Basic physical, chemical, and biological (ergonomic) examinations used in industrial hygiene and air pollution control. Instruction in basic laboratory skills and techniques for performing these examinations.

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

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

**H474 Health Administration Seminar (3 cr.)** P: SPEA H320 and senior standing. This course will examine current issues in public health and governmental and private initiatives to resolve these issues.

### Criminal Justice Courses

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

**J201 Theoretical Foundations of Criminal Justice Policies (3 cr.)** P: SPEA J101. This course examines the impact of sociological, biological, and economic theories of crime and the practice of criminal justice. Focus is on the nature and importance of theory, context of theoretical developments, methods for the critical analysis of the theoretical developments, and policy implications of the varying perspectives considered.

**J202 Criminal Justice Data, Methods, and Resources (3 cr.)** P: SPEA J101. R: MATH M111 or equivalent, SPEA V261 or equivalent. Course examines basic concepts of criminal justice. Students become familiar with research techniques necessary for systematic analysis of the criminal justice system, offender behavior, crime trends, and program effectiveness. Students will learn to critically evaluate existing research. Students will become familiar with existing sources of criminal justice data and will learn to assess the quality of that data.

**J301 Substantive Criminal Law (3 cr.)** P: SPEA J101; R: SPEA J201 and SPEA J202. The development, limitations, and application of substantive criminal law utilizing the case-study method.

**J302 Procedural Criminal Law (3 cr.)** P: SPEA J101. Criminal law application and procedure from the initiation of police activity through the correctional process, utilizing the case-study method.

**J303 Evidence (3 cr.)** P: SPEA J101. The rules of law governing proof at trial of disputed issues of fact; burden of proof; presumptions and judicial notice; examination, impeachment, competency, and privileges of witnesses; hearsay rule and exceptions—all related as nearly as possible to criminal, as opposed to civil, process.

**J304 Correctional Law (3 cr.)** P: SPEA J101. Legal problems from conviction to release: presentence investigations, sentencing, probation and parole, incarceration, loss and restoration of civil rights.

**J305 The Juvenile Justice System (3 cr.)** P: SPEA J101. Current developments in the legal, administrative, and operational aspects of the juvenile justice system.

**J306 The Criminal Courts (3 cr.)** P: SPEA J101; R: SPEA J201 and SPEA J202. This course examines the characteristics and operation of criminal trial courts. The course will focus on how defendants are processed through trial courts, the roles of various participants, and the potential for reform.

**J310 Introduction to Administrative Processes (3 cr.)** P: SPEA J101. Introduction to principles of management and systems theory for the administration of criminal justice agencies. Credit not given for both SPEA J310 and SPEA V270.

**J320 Criminal Investigation (3 cr.)** P: SPEA J101. 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.)** P: SPEA J101; R: SPEA J201 and SPEA J202. 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.)** P: SPEA J101; R: SPEA 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.

**J331 Introduction to Corrections (3 cr.)** P: SPEA J101; R: SPEA J201 and SPEA J202. A survey of contemporary correctional systems, including analysis of federal, state,

and local corrections; adult and juvenile facilities and programs; probation and parole.

**J370 Seminar in Criminal Justice (3 cr.)** P: SPEA J101. Selected contemporary topics in criminal justice. May be repeated for credit.

**J376 Principles of Public Safety (3 cr.)** P: SPEA J101. Examination of threats to public safety and of governmental response at various levels to those threats. Treatment of such areas as transportation and highway threats; occupational safety and health; criminal threats; emergency and disaster planning; consumer protection; and fire control and suppression. Discussion of techniques to identify and measure risk, the acceptability of risk, and governmental attempts to control risk.

**J380 Internship in Criminal Justice (1-6 cr.)** P: permission of instructor. Open to interested students who qualify upon approval of the faculty. Students may be placed with various criminal justice agencies for assignment to a defined task relevant to their educational interests. Tasks may involve staff work or research. Full-time participants may earn up to 6 credit hours. May be repeated for credit. Course is graded S/F (Satisfactory/Fail).

**J401 Criminal Law and Procedure (3 cr.)** P: SPEA J101. The development, limitations, and applicability of criminal law and procedure under the Constitution of the United States. Not open to students with credit for SPEA J301.

**J433 Institutional Corrections (3 cr.)** P: SPEA J101. The history and development of the jail, penitentiary, prison, and reformatory. Analysis and evaluation of contemporary imprisonment.

**J439 Crime and Public Policy (3 cr.)** P: SPEA J101; R: SPEA J201 and SPEA J202. A detailed examination of the major efforts designed to control or reduce crime. A review of existing knowledge is followed by an investigation of current crime control theories, proposals, and programs.

**J440 Corrections in the Community (3 cr.)** P: SPEA J101. A detailed analysis of correctional alternatives to incarceration that focus on the reintegration of the offender while remaining in the community. Because of their extensive use, considerable attention is given to probation and parole. Other topics include diversion, community residential programs, restitution, halfway houses, and home detention.

**J445 Trends in Corrections (3 cr.)** P: SPEA J101. Analysis and evaluation of contemporary correctional systems. Discussion of recent research concerning the correctional institution and the various field services.

**J460 Police in the Community (3 cr.)** P: SPEA J101. In-depth examination of crime as an

urban policy problem, focusing on the role of police and victims in defining crime as a policy problem, and their role in seeking to reduce the incidence of crime.

**J470 Seminar in Criminal Justice (3 cr.)** P: senior standing. Emphasizes current developments in legal, administrative, and operational aspects of the criminal justice system.

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

### Public Affairs Courses

**K300 Statistical Techniques (3 cr.)** P: MATH M014 or equivalent. R: MATH M118. An introduction to statistics. Nature of statistical data. Ordering and manipulation of data. Measures of central tendency and dispersion. Elementary probability. Concepts of statistical inference decision: estimation and hypothesis testing. Special topics discussed may include regression and correlation, analysis of variance, nonparametric methods. Credit not given for both K300 and either ECON E270/E370, SOC S250, or PSY/MATH K310.

**V100 Current Topics in Public Affairs (1-3 cr.)** Readings and discussion of current public issues and problems. May be repeated for credit.

**V160 National and International Policy (3 cr.)** This course will discuss current debates about United States public policy on the national and international levels. Some policy issues covered are economic, crime, security, health, and energy. Credit not given for both V160 and V170.

**V161 Urban Problems and Solutions (3 cr.)** An introduction to urban policy issues. Topics include political, social, and economic foundations and development of cities and suburbs, urban planning, poverty, and other selected urban problems. Credit not given for both V161 and V264.

**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. Credit not given for both V160 and V170.

**V252 Career Development (1 cr.)** Career planning and placement strategies, assessment of labor market information, market surveys, and development of customized portfolios. Emphasis given to projects, papers, and independent research.

**V260 Topics in Public Affairs (3 cr.)** Study of selected issues in public affairs. Topics vary from semester to semester. May be repeated for credit.

**V261 Computers in Public Affairs (3 cr.)** An introduction to computer applications



in public affairs. Topics include basic terminology, core concepts, and issues associated with managing operating systems, designing networks, and applying user information technology to public affairs problems. Issues of security and ethics in computing are also considered.

**V263 Public Management (3 cr.)** This course is an examination of the management process in public organizations in the United States. Special attention will be given to external influences on public managers, the effect of the intergovernmental environment and, in particular, problems of management in a democratic, limited government system.

**V264 Urban Structure and Policy (3 cr.)** An introduction to urban government and policy issues. Topics include urban government structure and policy making, the economic foundations and development of cities, demography of cities and suburbs, land-use planning, and other selected urban policy problems. Credit not given for both SPEA V161 and SPEA V264.

**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 SPEA V270 and SPEA J310.

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

**V346 Introduction to Government Accounting and Financial Reporting (3 cr.)** P: BUS A201 or permission of the instructor. An introduction to government accounting, including comparison with accounting for the private sector, intended as background for the use of financial administrators. The course deals primarily with municipal accounting. Not open to students with more than 7 credit hours of accounting.

**V348 Management Science (3 cr.)** P: SPEA K300, MATH M025, or MATH M118. Introduction to management science models and methods for policy analysis and public management. Methods include decision analysis, linear programming, queuing analysis, and simulation. Computer-based applications are included. Prior familiarization with computers is recommended, though not required.

**V350 Introduction to Development Administration (3 cr.)** Introduction to the administration of development activities in poor countries. Examines key problems, including the complexity of development, the interplay of external donors and domestic administration, and the difficulties of

organizing and managing development efforts. Combines cases and textual readings, allowing the student to analyze actual programs, policies, and projects.

**V352 Personal Career Planning (1 cr.)** Investigation of careers, the world of work, and the career-planning process. The focal point is on students and their goals. Provides assistance in developing practical, meaningful, and realistic insights into the nature of making a public career choice in today's world. Credit not awarded for both SPEA V352 and BUS X420.

**V356 Introduction to Nonprofit Accounting and Reporting (3 cr.)** P: BUS A201 or consent of instructor. This course covers concepts and processes of nonprofit accounting and financial reporting with exploration of differences between for-profit, governmental and nonprofit systems. Examples will be drawn from health organizations, welfare agencies, charities, and educational institutions.

**V361 Financial Management (3 cr.)** This course introduces students to accounting, financial management techniques, and financial reporting. Topics include accounting such as debit/credit sheets and balance sheets, financial indicators, fund balances, fringe benefits and pensions, and payroll management.

**V362 Nonprofit Management and Leadership (3 cr.)** Students in this course examine the management practices of nonprofit organizations. The course encourages students to take the perspectives of nonprofit managers, volunteers, board members, policy-makers, donors, and clients. Course projects expand understanding of the nonprofit sector and develop students' management skills, analytical tools, and knowledge.

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

**V366 Managing Behavior in Public Organizations (3 cr.)** This course provides an introduction to the management of people in public organizations. Focus is on behavioral science in management and related analytical and experiential applications.

**V368 Managing Government Operations (3 cr.)** P: SPEA V348. Application of analytical techniques to operating decisions in public management sector. Cases are used extensively to illustrate the application of techniques (such as charting, capacity and

demand analysis, forecasting, performance measurement, decision analysis, queuing / simulation, Markov modeling, and cost-effective analysis) to design, scheduling, inventory assignment, transportation, and replacement decisions.

**V369 Managing Information Technology (3 cr.)** Analysis and application of information technology to problem solving.

**V370 Research Methods and Statistical Modeling (3 cr.)** P: SPEA K300 or equivalent. This course will introduce the student to the basic methods, issues, analytical techniques, and ethical considerations of evaluation research.

**V371 Financing Public Affairs (3 cr.)** P: SPEA V160 or V170, ECON E201, E202. A survey of economic and political theories of market failures, public expenditure evaluation, economic stabilization, systems of redistribution, and fiscal federalism. Examples and applications to contemporary government decisions.

**V372 Government Finance and Budgets (3 cr.)** Study of fiscal management in public agencies, including revenue administration, debt management, and public budgeting.

**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: SPEA 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. Course is graded S/F (Satisfactory/Fail).

**V381 Professional Experience (1-6 cr.)** Students will be required to fulfill a minimum of 120 hours of professional relevant work.

**V386 Case Studies for Policy Analysis (3 cr.)** This course focuses on analyzing case studies of public policies using a variety of disciplinary perspectives including application of the principles and concepts of intermediate microeconomic theory.

**V390 Readings in Public and Environmental Affairs (0-3 cr.)** P: permission of instructor. Independent readings and research related to a topic of special interest to the student. Written report required. May be repeated for credit.

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

**V401 Financial and Cost-Benefit Analysis (3 cr.)** This course familiarizes students with the principles of financial analysis, cost-benefit analysis, and Kaldor/Hicks accounting. Topics include net present value calculation, net annual worth, public and private decision criteria, and market data adjustment for taxes, rents, and other market distortions.

**V405 Public Law and the Legislative Process (3 cr.)** This course focuses on Congress as a policy-making body in the United States public law system. It covers the constitutional framework for congressional operations as well as technical aspects of the legislative process such as bill drafting and analysis, the role of leadership, and the prerogatives of individual members.

**V406 Public Law and the Electoral Process (3 cr.)** The purpose of this course is to facilitate understanding of the interaction of electoral politics and policy. It covers the legal framework of the evolution of the "right" to vote, the impact of the judiciary on the structure of elections, limitations on campaign practices, and the importance of legislative districting and its control.

**V407 Public Law and Government Relations (3 cr.)** The purpose of this course is to build understanding of government relations work as applied to careers in the field. It covers the historical evolution of the constitutional right to petition the government with an understanding of the limitations imposed upon the process. The interaction of public and private sectors is included.

**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 Negotiation and Alternative Dispute Resolution (1-4 cr.)** This course introduces students to the theories and techniques of alternative dispute resolution. The course covers interest-based negotiation, mediation, arbitration, fact finding, early neutral evaluation, and other techniques used in business, labor relations, environmental disputes, family relations, and international affairs.

**V436 Communication for Government and Nonprofit Organizations (3 cr.)** This course will develop an appreciation regarding the critical nature of communication by managers in the public and nonprofit sector. It will introduce students to the skills critical to effective communication as professionals.

**V441 Topics in Financial Management and Policy (3 cr.)** P: SPEA V372. Various topics focusing on financial management and policy are examined in state and local settings. May be repeated for credit.

**V442 Topics in Budgeting or Cost/Benefit (3 cr.)** P: SPEA V372. Various topics in budgeting or cost/benefit analysis are examined. Course may be repeated for different topics.

**V443 Managing Workforce Diversity (3 cr.)** The composition and nature of the work force is changing. Managers must decide how to accommodate real differences among the members of their organizations. This course seeks to provide information for practitioners who hope to integrate an understanding of workforce diversity into their management style and professional behavior.

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

**V447 Federal Budget Policy (3 cr.)** Examination of the institutions and processes involved in putting together the annual federal budget, with emphasis on the role of the Appropriations and Budget Committees in Congress and on the White House and the

Office of Management and Budget in the executive branch. Selected major policy areas will be considered.

**V449 Policy Senior Seminar (3 cr.)** P: SPEA 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.

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

**V452 Topics in Public Management (1-4 cr.)** Extensive analysis of selected contemporary issues in management. Topics vary from semester to semester. May be repeated for credit.

**V453 Topics in Public Policy Analysis (3 cr.)** Extensive analysis of selected contemporary issues in policy analysis. Topics vary from semester to semester. May be repeated for credit.

**V456 Topics in Public Law (3 cr.)** Extensive analysis of selected contemporary issues in public law. Topics vary from semester to semester. May be repeated for credit.

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

**V460 Federalism, Intergovernmental Relations and Management (3 cr.)** Overview of the dynamics of multi-organizational governance in the United States. Examination of federal and other systems. Structure and operations of intergovernmental programs and the role of managers within these systems.

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

**V462 Community Development (3 cr.)** The process and outcomes of local citizen-based efforts to improve social, economic and

cultural conditions. Interaction of public and non profit sectors in community revitalization. Experiences, cases and problems involving both rural and urban settings.

**V463 Interpersonal Relations in the Workplace (1-4 cr.)** Key interpersonal skills will be modeled through a variety of media and experiences. Students will practice these skills and receive feedback. Students will be expected to participate in structured experiences designed to give them insight into their behavior and how it will affect their ability to achieve personal and professional objectives.

**V470 Community Development Workshop(3 cr.)** This course will be conducted as an undergraduate research workshop. The focus will be on community development problems, such as long-range planning, the delivery of government services, or local economic development. The research topic of the course will change each year, and will be announced the previous semester.

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

**V472 Policy Processes in the United States (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 advisor. 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 1998-2000

## Emeritus

- Bonser, Charles F., D.B.A. (Indiana University, 1965), Dean Emeritus and Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Business Administration
- Buhner, John, Ph.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Political Science (IUPUI)
- Caldwell, Lynton K., Ph.D. (University of Chicago, 1943), Professor Emeritus of Public and Environmental Affairs; Arthur E. Bentley Professor Emeritus of Political Science
- Hopkins, Jack W., Ph.D. (University of Florida, 1966), Professor Emeritus of Public and Environmental Affairs
- Johnson, Carolyn E., J.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs (IUPUI)
- Jumper, Roy, Ph.D. (Duke University, 1955), Professor Emeritus of Public and Environmental Affairs
- Kiesling, Herbert J., Ph.D. (Harvard University, 1966), Professor Emeritus of Economics (Graduate School); Professor Emeritus of Public and Environmental Affairs (Graduate School)
- Ludlow, H. Glenn, D.P.A. (Indiana University, 1950), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Education
- McHugh, Gerald J., D.B.A. (George Washington University, 1973), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
- Mendelsohn, Robert L., Ph.D. (Michigan State University, 1970), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
- Patterson, D. Jeanne, D.B.A. (Indiana University, 1967), Associate Professor Emeritus of Public and Environmental Affairs
- Peva, James, J.D. (Indiana University, 1961), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
- Reshkin, Mark, Ph.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Geology (IUN)
- Risler, Walt P., Ph.D. (University of Chicago, 1962), Associate Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Sociology (IUSB)
- Roberts, George C., Ph.D. (Indiana University, 1962), Professor Emeritus of Political Science; Professor Emeritus of Public and Environmental Affairs (IUN)
- Rowe, Lloyd A., Ph.D. (University of Pennsylvania, 1965), Professor Emeritus of Political Science; Professor Emeritus of Public and Environmental Affairs (IUN)

- Rutledge, Philip, L.L.D. (Indiana University, 1980), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Political Science (IUB/IUPUI/IUN)
- Ryan, John W., Ph.D. (Indiana University, 1959), President Emeritus of the University; Professor Emeritus of Political Science, Professor Emeritus of Public and Environmental Affairs
- Schenck, William, M.S.A. (University of Notre Dame, 1979), Lecturer Emeritus of Public and Environmental Affairs (IUN)
- Stegert, Frank X., Ed.D. (Loyola University, 1962), Professor Emeritus of Public and Environmental Affairs (IUSB)
- Willbern, York Y., Ph.D. (University of Texas, 1943), Professor Emeritus of Public and Environmental Affairs; University Professor Emeritus of Political Science

## Faculty

- Adams, Kenneth, Ph.D. (State University of New York at Albany, 1984), Associate Professor of Public and Environmental Affairs (IUPUI)
- Agranoff, Robert, Ph.D. (University of Pittsburgh, 1967), Professor of Public and Environmental Affairs; Director, Joint Program in Public Policy and Public Affairs (Graduate School)
- Allen, David, J.D. (Indiana University, 1967), Adjunct Professor of Public and Environmental Affairs
- Anderson, Allen, Ph.D. (Southern Illinois University, 1984), Assistant Dean for Criminal Justice, Kokomo; Associate Professor of Public and Environmental Affairs (Graduate School) (IUK)
- Assibey-Mensah, George, Ph.D. (Virginia Polytechnic Institute and State University, 1993), Assistant Professor of Public and Environmental Affairs (IUN)
- Audretsch, David, Ph.D. (University of Wisconsin, 1980) *Ameritech* Chair of Economic Development; Director, Institute for Development Strategies; Professor of Public and Environmental Affairs
- Auer, Matthew, Ph.D. (Yale University, 1996), Assistant Professor of Public and Environmental Affairs (Graduate School)
- Auger-Marchand, Ruben, J.D. (University of Puerto Rico, 1973), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Backhus, Debra, Ph.D. (Massachusetts Institute of Technology, 1990), Associate Professor of Public and Environmental Affairs (Graduate School)
- Baker, John G., J.D. (Indiana University, 1971), Adjunct Professor of Public and Environmental Affairs
- Baker, Randall, Ph.D. (University of London, England, 1968), Director, International Programs; Professor of Public and Environmental Affairs (Graduate School)
- James, A. James, J.D. (Harvard University, 1967), Dean, School of Public and Environmental Affairs; Professor of Public and Environmental Affairs
- Bauer, Ralph R., M.P.A. (University of Washington, 1981), Lecturer of Public and Environmental Affairs
- Baumer, Terry L., Ph.D. (Loyola University of Chicago, 1980), Associate Professor of Public and Environmental Affairs (IUPUI)
- Bingham, Lisa, J.D. (University of Connecticut, 1979), Associate Professor of Public and Environmental Affairs (Graduate School)
- Black, William R., Ph.D. (University of Iowa, 1969), Professor of Public and Environmental Affairs; Professor of Geography (Graduate School)
- Chidambaram, Laku, Ph.D. (Indiana University, 1989), Associate Professor of Public and Environmental Affairs; Associate Professor of Accounting and Information Systems (part-time)
- Davis-Quinet, Kenna, Ph.D. (University of Illinois, 1992), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- DeCoster, Thomas A., Ph.D. (University of Notre Dame, 1968), Director, Executive Education; Professor of Public and Environmental Affairs (IUPUI)
- DeLong, Rhonda, Ph.D. (Western Michigan University, 1997), Assistant Professor of Public and Environmental Affairs (IUSB)
- Dunning, Jeremy D., Ph.D. (University of North Carolina, 1978), Associate Dean, Office of Research and the University Graduate School; Associate Professor of Public and Environmental Affairs (part-time); Associate Professor of Geological Sciences (Graduate School)
- Evans, Karen, Ph.D. (Virginia Polytechnic Institute and State University, 1998), Assistant Professor of Public and Environmental Affairs (IUN)
- Fife, Brian, Ph.D. (State University of New York at Binghamton, 1990), Associate Professor of Public and Environmental Affairs (IPFW)
- Freund, Deborah, Ph.D. (University of Michigan, 1980), Vice Chancellor for Academic Affairs and Dean of Faculties; Director, Health Services Research Center (Graduate School); Professor of Public and Environmental Affairs (Graduate School); Adjunct Professor of Nursing; Adjunct Professor of Economics; Adjunct Professor of Medicine (IUB/IUPUI)
- Gant, Jon, Ph.D. (Carnegie Mellon University, 1998), Assistant Professor of Public and Environmental Affairs
- Garcia, Crystal, Ph.D. (University of California, 1996), Assistant Professor of Public and Environmental Affairs (IUPUI)
- Gleeson, Michael E., Ph.D. (Syracuse University, 1973), Director, Undergraduate Programs; Associate Professor of Public and Environmental Affairs (IUPUI)
- Goldsmith, Stephen, J.D. (University of Michigan, 1971), Adjunct Professor of Public and Environmental Affairs (IUB/IUPUI)
- Good, David H., Ph.D. (University of Pennsylvania, 1985), Associate Professor of Public and Environmental Affairs (Graduate School)
- Grant, Jane A., Ph.D. (University of California, Berkeley, 1981), Associate Professor of Public and Environmental Affairs (Graduate School) (IPFW)
- Grönberg, Kirsten, Ph.D. (University of Chicago, 1974), Associate Dean for Academic Affairs; Professor of Public and Environmental Affairs (Graduate School)
- Haitjema, Hendrik, Ph.D. (University of Minnesota, 1982), Professor of Public and Environmental Affairs (Graduate School); Professor of Geological Sciences (part-time) (Graduate School); Adjunct Associate Professor of Geology (IUB/IUPUI)
- Hall, Leda M., Ph.D. (Wayne State University, 1984), Associate Professor of Public and Environmental Affairs; Director, Institute for Applied Community Research (IUSB)
- Hamburg, Roger P., Ph.D. (University of Wisconsin, 1965), Professor of Political Science (Graduate School); Professor of Public and Environmental Affairs (Graduate School); (IUSB)
- Hancock, Barry W., Ph.D. (Oklahoma State University, 1982), Associate Professor of Public and Environmental Affairs (IUSB)
- Harlow, Karen S., Ph.D. (University of Texas, 1981), Associate Professor of Public and Environmental Affairs; Associate Professor of Family Medicine (part-time) (Graduate School) (IUPUI)
- Henshel, Diane, Ph.D. (Washington University, 1987), Associate Professor of Public and Environmental Affairs (Graduate School)
- Herr, John Paul, Ph.D. (The Ohio State University, 1976), Associate Professor of Geography and Public and Environmental Affairs; Director, Graduate Programs (IUSB)
- Hites, Ronald A., Ph.D. (Massachusetts Institute of Technology, 1968), Distinguished Professor of Public and Environmental Affairs (Graduate School); Professor of Chemistry (part-time)
- Hojnacki, William P., Ph.D. (University of Notre Dame, 1977), Assistant Dean and Director, Division of Public and Environmental Affairs; Professor of Public and Environmental Affairs (Graduate School) (IUSB)
- Holmes, Ann M., Ph.D. (University of British Columbia, 1993), Assistant Professor of Public and Environmental Affairs; Assistant Professor of Family Medicine (part-time); Adjunct Assistant Professor of Economics (Graduate School) (IUN/IUPUI)



Hoole, Francis W., Ph.D. (Northwestern University, 1971), Associate Dean, Office of Research and the University Graduate School; Professor of Political Science (Graduate School); Professor of Public and Environmental Affairs (part-time)

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

Hunkoon, Laura, Ph.D. (University of Pennsylvania, 1991), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Jain, Chaman L., Ph.D. (Indiana University, 1975), Adjunct Assistant Professor of Public and Environmental Affairs

Janjura, G. Roger, Ph.D. (University of Maryland, 1990), Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Johnson, Craig, Ph.D. (State University of New York at Albany, 1993), Assistant Professor of Public and Environmental Affairs (Graduate School)

Jones, Earl R., Ph.D. (University of North Carolina, 1980), Chair, Department of Minority Studies, Associate Professor of Afro-American Studies (Graduate School) and Associate Professor of Public and Environmental Affairs (part-time) (Graduate School) (IUN)

Jones, David, Ph.D. (Indiana University, 1988), Director, Professional Graduate Programs; Director, Student Services; Lecturer of Public and Environmental Affairs (part-time)

Jones, William W., M.S. (University of Wisconsin, 1977), Director, Environmental Systems Application Center; Adjunct Lecturer of Public and Environmental Affairs

Karl, Katherine A., Ph.D. (Michigan State University, 1991), Assistant Professor of Public and Environmental Affairs (IUSB)

Kennedy, Sheila, J.D. (Indiana University, 1975), Assistant Professor of Public and Environmental Affairs (IUPUI)

Kirlin, John, Ph.D., (University of California, Los Angeles, 1969), Director, Center for Urban Policy and the Environment; Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Kirlin, Mary, Ph.D. (University of Southern California, 1996), Assistant Professor of Public and Environmental Affairs (IUPUI)

Klosak, Jacqueline, Ph.D. (University of Illinois, Chicago, 1998), Assistant Professor of Public and Environmental Affairs (IUN)

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

Kravchuk, Robert, Ph.D. (Syracuse University, 1989), Associate Professor of Public and Environmental Affairs

Krutilla, Kerry M., Ph.D. (Duke University, 1988), Associate Professor of Public and Environmental Affairs (Graduate School)

Lame, Marc L., D.P.A. (Arizona State University, 1992), Director, Lilly Fellowship Program; Scheduling Officer; Lecturer of Public and Environmental Affairs (part-time)

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

Lindsey, Greg H., Ph.D. (Johns Hopkins University, 1992), Associate Professor of Public and Environmental Affairs (IUPUI)

Ludwin, William G., D.P.A. (State University of New York at Albany, 1976), Assistant Dean and Director, Division of Public and Environmental Affairs; Associate Professor of Public and Environmental Affairs (Graduate School) (IPFW)

Man, Joyce, Ph.D. (Johns Hopkins University, 1992), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

Martin, Gary L., M.P.A. (Indiana University, 1975), Lecturer of Public and Environmental Affairs (IUN)

May, David, Ph.D. (Mississippi State University, 1997), Assistant Professor of Public and Environmental Affairs (IPFW)

McGarvey, Richard L., M.P.A. (Indiana University, 1967), Director, Placement and Internship Office; Lecturer of Public and Environmental Affairs

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

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

Mentor, Kenneth W., J.D. (Syracuse University, 1991), Assistant Professor of Public and Environmental Affairs (IUSB)

Meretsky, Vicky, Ph.D. (University of Arizona/Tucson, 1995), Assistant Professor of Public and Environmental Affairs (Graduate School)

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

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

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

Milner, Theodore K., Ph.D. (University of Iowa, 1970), Professor of Public and Environmental Affairs (Graduate School); Professor of Geography (part-time); Co-Director of the Interdisciplinary Consortium for Statistical Application

Moore, Talmadge (Neil), M.P.A. (Indiana University, Fort Wayne, 1986), Visiting Assistant Professor of Public and Environmental Affairs (IPFW)

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

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

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

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

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

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

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

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

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

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

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

Parrish, Michael, M.A., L.S. (Indiana University, 1959), Head Librarian, Business/SPEA Library; Adjunct Associate Professor of Public and Environmental Affairs

Peat, Barbara, Ph.D. (New Mexico State University, 1997), Assistant Professor of Public and Environmental Affairs (IUSB)

Pellicciotti, Joseph, J.D. (Conzaga University, 1976), Assistant Dean and Director, Division of Public and Environmental Affairs; Director, Great Lakes Center for Public Affairs and Administration; Associate Professor of Public and Environmental Affairs (Graduate School) (IUN)

Perry, James L., Ph.D. (Syracuse University, 1974), Professor of Public and Environmental Affairs; Professor of Political Science (part-time) (Graduate School); Adjunct Professor of Philanthropic Studies

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

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

Poulard, Jean V., Ph.D. (University of Chicago, 1976), Associate Professor of Political Science; Associate Professor of Public and Environmental Affairs (IUN)

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

Reingold, David, Ph.D. (University of Chicago, 1996), Assistant Professor of Public and Environmental Affairs

Reuveny, Rafael, Ph.D. (Indiana University, 1997), Assistant Professor of Public and Environmental Affairs

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

Richards, George, Ph.D. (University of Tennessee, 1998), Assistant Professor of Public and Environmental Affairs (IUK)

Richards, Kenneth R., Ph.D. (Wharton School, University of Pennsylvania, 1996), Assistant Professor of Public and Environmental Affairs

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

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

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

Rosentraub, Mark S., Ph.D. (University of Southern California, 1975), Associate Dean, Indianapolis Programs; Professor of Public and Environmental Affairs (Graduate School) (IUPUI)



- Ross, Thomas, Ph.D. (St. Louis University, 1995), Assistant Professor of Public and Environmental Affairs (IUSB)
- Rubin, Barry M., Ph.D. (University of Wisconsin, 1977), Associate Dean, Bloomington Programs; Director, Instructional and Informational Technology; Professor of Public and Environmental Affairs (Graduate School)
- Rubin, Richard S., Ph.D. (Cornell University, 1973), Director, Center for Public Sector Labor Relations; Professor of Public and Environmental Affairs (Graduate School)
- Saywell, Robert M., Ph.D. (Colorado State University, 1972), Director, Graduate Programs in Health Administration; Professor of Public and Environmental Affairs (Graduate School); Professor of Family Medicine (part-time); Adjunct Professor of Nursing (Graduate School) (IUPUI)
- Selke, William L., Ph.D. (Michigan State University, 1977), Professor of Criminal Justice (Graduate School); Associate Professor of Public and Environmental Affairs (part-time)
- Shin, Roy W., Ph.D. (University of Minnesota, 1969), Professor of Public and Environmental Affairs (Graduate School)
- Steinhaus, Carol S., Ph.D. (University of Nebraska, Lincoln, 1992), Assistant Professor of Public and Environmental Affairs (IPFW)
- Stevens, Philip, Ph.D. (Harvard University, 1990), Assistant Professor of Public and Environmental Affairs (Graduate School)
- Szarleta, Ellen, J.D., Ph.D. (University of Wisconsin, 1987), Visiting Assistant Professor of Public and Environmental Affairs (IUN)
- Tai-Seale, Ming, Ph.D. (University of California, 1995), Assistant Professor of Public and Environmental Affairs
- Tschirhart, Mary, Ph.D. (University of Michigan, 1993), Assistant Professor of Public and Environmental Affairs (Graduate School); Adjunct Assistant Professor of Philanthropic Studies
- Vilardo, Frank J., Dr.P.H. (University of North Carolina, 1971), Director, Undergraduate Programs; Associate Professor of Public and Environmental Affairs (Graduate School)
- Wedig, Gerard J., Ph.D. (Harvard University, 1987), Associate Professor of Public and Environmental Affairs
- White, Jeffrey R., Ph.D. (Syracuse University, 1984), Professor of Public and Environmental Affairs (Graduate School); Associate Professor of Geological Sciences (part-time) (Graduate School)
- Whiteis, David G., Ph.D. (University of Illinois, 1990), Assistant Professor of Public and Environmental Affairs (IPFW)
- Willard, Daniel E., Ph.D. (University of California, Davis, 1966), Professor of Public and Environmental Affairs; Professor of Biology (part-time) (Graduate School)

- Wise, Charles R., Ph.D. (Indiana University, 1972), Professor of Public and Environmental Affairs (Graduate School)
- Wise, Lois R., Ph.D. (Indiana University, 1982), Professor of Public and Environmental Affairs (Graduate School)
- Worthley, John, Ph.D. (State University of New York, 1974), Visiting Professor of Public and Environmental Affairs (IUN)
- Zinner-Kemp, Susan, J.D. (Washington University, 1992), Assistant Professor of Public and Environmental Affairs (IUN)
- Zollinger, Terrell W., Dr.P.H. (Loma Linda University, 1979), Associate Professor of Public and Environmental Affairs (Graduate School); Associate Professor of Family Medicine (part-time) (Graduate School) (IUPUI)
- Zorn, Charles Kurt, Ph.D. (Syracuse University, 1981), Professor of Public and Environmental Affairs (Graduate School)

## Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. With 878 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers almost 4,000 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 institutions of higher education in the Midwest. It serves more than 91,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. Campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana's citizens.

## General Policies

### Equal Opportunity/Affirmative Action Policy of Indiana University

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

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

An Affirmative Action office on each campus monitors the university's policies and assists individuals who have questions or problems related to discrimination.

### Confidentiality of Student Records

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

### Student Rights and Responsibilities

A statement of students' rights and

responsibilities is published in a handbook, *Code of Student Rights, Responsibilities, and Conduct*, which contains a description of due process hearings in the event of disciplinary action.

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

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

## Undergraduate Admissions Policy

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

### Freshman Students<sup>1</sup>

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

<sup>1</sup> Some academic programs require specific qualifications in addition to those enumerated in this policy.



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

#### Transfer Students<sup>1</sup>

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

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

<sup>1</sup> Some academic programs require specific qualifications in addition to those enumerated in this policy.

## Transfer to Other Indiana University Campuses

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

Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of course work on the eight campuses.

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

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

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

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

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

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

- (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these rules, but except as provided in rule 2(c), such person must be a resident for 12 months in order to qualify as a resident student for fee purposes.
- (b) Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of higher education, shall not be counted in determining the 12-month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.

2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least 12 consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the

university, subject to the exception in (c)<sup>1</sup> below.

(a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.<sup>1</sup>

(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.<sup>2</sup>

(c) Such person may be classified as a resident student without meeting the 12-month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state and if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."<sup>2</sup>

(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

<sup>1</sup> Invocation of the provision in Rule 2(a) that applies to cases of divorce or separation requires appropriate legal documentation.

<sup>2</sup> Rules 2(b) and 2(c) apply only to unemancipated persons under 21 years of age.



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

- (a) The residence of a student's parents or guardians.
- (b) The situs of the source of the student's income.
- (c) To whom a student pays his or her taxes, including property taxes.
- (d) The state in which a student's automobile is registered.
- (e) The state issuing the student's driver's license.
- (f) Where the student is registered to vote.
- (g) The marriage of the student to a resident of Indiana.
- (h) Ownership of property in Indiana and outside of Indiana.
- (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
- (j) The place of the student's summer employment, attendance at summer school, or vacation.
- (k) The student's future plans including committed place of future employment or future studies.
- (l) Admission to a licensed profession in Indiana.
- (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
- (n) All present and intended future connections or contacts outside of Indiana.

- (o) The facts and documents pertaining to the person's past and existing status as a student.
  - (p) Parents' tax returns and other information, particularly when emancipation is claimed.
5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
  6. The registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
  7. A Standing Committee on Residence shall be appointed by the president of the university and shall include two students from among such as may be nominated by the student body presidents of one or more of the campuses of the university. If fewer than four are nominated, the president may appoint from among students not nominated.
  8. A student who is not satisfied by the determination of the registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the registrar's determination which committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the registrar shall be final and binding.
  9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these rules. The decision of the committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
  10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the university, as well as to such other punishment which may be provided for by law.

11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged

overpayment of fees for that semester or session.

13. If any provision of these rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these rules which can be given effect without the invalid provision or application, and to this end the provisions of these rules are severable.



## Fees

The instructional fees listed here were approved at the March 1998 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus *Schedule of Classes*.

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

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

INSTRUCTIONAL FEES	Indiana Resident	Nonresident
<b>Bloomington Campus</b>		
Undergraduate <sup>1</sup>	\$1,812.70 flat fee/semester for 12 to 17 credit hours \$113.15/credit hour under 12 or over 17	\$5,933.20 flat fee/semester for 12 to 17 credit hours \$370.80/credit hour under 12 or over 17
Graduate and Professional <sup>1</sup>		
Business-M.B.A. Program <sup>2</sup>	\$4,116.00/semester	\$8,235.15/semester
Business <sup>3</sup>	\$261.35/credit hour	\$522.85/credit hour
Law	\$216.70/credit hour	\$555.80/credit hour
Optometry	\$185.50/credit hour	\$515.20/credit hour
Public and Environmental Affairs—M.P.A. and M.S.E.S. Programs	\$180.00/credit hour	\$488.00/credit hour
Other	\$152.90/credit hour	\$445.40/credit hour
Independent Study (Correspondence)	\$93.00/credit hour	\$93.00/credit hour
Dissertation research (G901) <sup>4</sup>	\$100.00/semester	\$100.00/semester
Auditing (no credit)	\$25.00/credit hour	applicable credit hour rate
Distance Education Special Courses <sup>5</sup> for Schools of Education; and Health, Physical Education, and Recreation		
Undergraduate	\$113.15/credit hour	\$113.15/credit hour
Graduate	\$152.90/credit hour	\$152.90/credit hour
<b>Indianapolis Campus</b>		
Undergraduate <sup>1</sup>	\$110.50/credit hour	\$339.10/credit hour
Graduate and Professional <sup>1</sup>		
Business	\$238.50/credit hour	\$477.00/credit hour
Dentistry	\$11,500.00/year	\$24,630.00/year
Engineering	\$161.70/credit hour	\$462.20/credit hour
Law	\$209.65/credit hour	\$509.25/credit hour
Medicine	\$12,730.00/year	\$29,150.00/year
Nursing	\$150.10/credit hour	\$433.00/credit hour
Social Work	\$152.90/credit hour	\$440.90/credit hour
Other	\$150.10/credit hour	\$433.00/credit hour
Dissertation research (G901) <sup>4</sup>	\$100.00/semester	\$100.00/semester
Auditing (no credit)	applicable credit hour rate	applicable credit hour rate
Distance Education Special Courses for Allied Health Histotechnology		
Undergraduate and Graduate	\$110.45/credit hour	\$110.45/credit hour

<sup>1</sup>Includes credit courses in the School of Continuing Studies.

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

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

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

<sup>5</sup>In addition to instructional fee rates, course fees of \$90.00 for Education and \$75.00 for HPER will be assessed.

INCIDENTAL FEES <sup>6</sup>	Bloomington Campus	Indianapolis Campus
Application for admission		
Domestic, undergraduate	\$35.00	\$35.00
Domestic, graduate	\$40.00	\$35.00
International	\$40.00	\$55.00
Deferment service charge <sup>7</sup>	\$22.00	\$22.00
Health service fee <sup>8</sup>	\$70.50/semester \$30.25/summer I \$40.25/summer II	optional
Late payment charge	\$50.00/semester	\$11.00/month
Late program change <sup>9</sup>	\$16.50/course added or dropped	\$18.50/course added
Late registration <sup>10</sup>	\$50.00 to \$90.00/semester \$50.00/summer session	\$40.00 to \$100.00/semester \$40.00 to \$62.00/summer session
Student activity fee <sup>11</sup>	\$25.50 or \$51.05/semester \$12.75 or \$25.50/summer session	\$14.45 or \$24.45/semester \$25.75/semester for Athletic Development
Technology fee, fall or spring semesters <sup>12</sup>		
Undergraduate	\$25.00, \$50.00, \$100.00	\$26.78, \$53.56, \$80.35
Graduate/professional, nondegree students	\$12.00, \$25.00, \$50.00	(varies)
Technology fee, summer sessions <sup>13</sup>		
Undergraduate	\$12.50, \$25.00, \$50.00	\$26.78, \$40.17
Graduate/professional, nondegree students	\$6.00, \$12.50, \$25.00	(varies)
Transcripts	\$7.00	\$7.00

<sup>6</sup>Applicable to both in-state and out-of-state students.

<sup>7</sup>Fee is assessed if deferred billing option is elected.

<sup>8</sup>The health fee is assessed each semester/session on the Bursar's bill for all day and evening students enrolled in more than 3 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.

<sup>9</sup>After drop/add period (100 percent refund period), students will be assessed \$16.50 in Bloomington and \$18.50 in Indianapolis for each added course, section change, change of arranged hours, or credit/audit change. On the Bloomington campus, students will also be assessed for each dropped course.

<sup>10</sup>A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is \$50.00 for students who register by the last Friday before classes begin and increases by \$10.00 on the Monday of each successive week to a maximum of \$90.00. On the Indianapolis campus, a \$40.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by \$22.00 the first week, \$21.00 the second week, and \$17.00 the third week to a maximum of \$100.00. In Indianapolis summer sessions, a late registration fee of \$40.00 is assessed the first week, and \$62.00 the second week and thereafter.

<sup>11</sup>Bloomington students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of \$25.50. Students enrolled in more than 3 credit hours pay \$51.05. Summer-session students pay a fee per session according to the number of credit hours in which they are enrolled: 3 or fewer credit hours, \$12.75; more than 3 credit hours, \$25.50. At Indianapolis, the student activity fee for 1 to 8 credit hours is \$14.45 per semester. Students enrolled in 9 or more credit hours pay \$24.45 per semester. Indianapolis students are also charged a \$25.75 Athletic Development fee each semester.

<sup>12</sup>A technology fee will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.

<sup>13</sup>At Indianapolis, a technology fee is assessed for summer sessions according to the number of enrolled credit hours as follows: 3 or fewer credit hours; greater than 3 credit hours. At Bloomington, summer-session students are assessed half the regular-semester technology fee, based on the number of credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.



**Course Fee Refund Schedule**

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

**Veterans Benefits**

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

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

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

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

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

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

**Indiana University Bulletins**

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

**Indiana University Bloomington**

College of Arts and Sciences  
Kelley School of Business<sup>1</sup>  
School of Continuing Studies<sup>2</sup>  
School of Education<sup>3</sup>  
School of Health, Physical Education, and Recreation  
School of Journalism  
School of Law—Bloomington<sup>4</sup>  
School of Library and Information Science  
School of Music  
School of Optometry  
School of Public and Environmental Affairs<sup>3</sup>  
University Division<sup>5</sup>  
University Graduate School

**Indiana University—Purdue University Indianapolis**

School of Allied Health Sciences  
Kelley School of Business<sup>1</sup>  
School of Continuing Studies<sup>2</sup>  
School of Dentistry  
School of Education<sup>3</sup>  
School of Engineering and Technology (Purdue University)  
Herron School of Art  
School of Journalism  
School of Law—Indianapolis<sup>4</sup>  
School of Liberal Arts  
School of Medicine  
School of Nursing<sup>3</sup>  
School of Optometry  
School of Physical Education  
School of Public and Environmental Affairs<sup>3</sup>  
School of Science (Purdue University)  
School of Social Work  
University College  
University Graduate School

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

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

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

<sup>3</sup> Two bulletins are issued: graduate and undergraduate.

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

<sup>5</sup> Available only to admitted University Division students.