

SPEA Undergraduate

Welcome to the School of Public and Environmental Affairs (SPEA)

So, what is the School of Public and Environmental Affairs?

Good question! Our name says a lot about who we are, what we do, and what you can study here.

SPEA was founded as a response to the needs and problems of modern society—needs that were not being addressed by other more traditional schools such as business, arts and sciences, or political science. Our scope is wide, and we address such issues as public finance, nonprofit management, public management, environmental management, policy analysis, health administration, criminal justice and arts administration.

Even better, this year we have welcomed several new faculty members who are already making a difference and leading our school into the future. You can see who they are by going [here](#).

The school's broadening globalization is already being realized in the expanded programs of studies in several countries around the world through SPEA Overseas Education. Additionally, we are strengthening our research in energy policy, sustainable development, and the prevention of poverty, and building on traditional strengths in public finance, management of nonprofit and public sectors, and arts administration.

Beyond your degree program, SPEA offers many opportunities to enrich your academic career, such as the Honors Program, IU in DC program, the Accelerated Master's program, and many more. Seek out what speaks to you to expand your experience here at SPEA!

To us, a public or environmental affair is an issue or problem that affects the quality of life on this planet for its citizens. That's a big list, obviously, and our graduates go on to jobs in many fields—public, private, and nonprofit.

Overview

The School of Public and Environmental Affairs (SPEA) is a multidisciplinary division of Indiana University. The school is organized as a Bloomington-Indianapolis core campus 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; sustainable management and policy; international affairs; finance and economics; public and nonprofit management; arts management; urban affairs; environmental science and policy; criminal justice, law, and public safety; health science, media and public affairs, administration, and policy. 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, can offer scientific and technical assistance to Indiana communities. Public and private organizations, as well as all levels of government, benefit from the knowledge and expertise of SPEA faculty, staff, and students.

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

Accreditation

Indiana University, a member of the North Central Association (NCA), is accredited by the Higher Learning Commission: www.ncahigherlearningcommission.org; (312) 263-0456.

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

Contact Information

Bloomington Campus

[The School of Public and Environmental Affairs](#) (Bloomington)

Undergraduate Program Office
Indiana University
1315 East Tenth Street
Bloomington, IN 47405-1701

(812) 855-0635
speaugrd@indiana.edu

Indianapolis Campus

[School of Public and Environmental Affairs](#) (Indianapolis)
SPEA Student Services and Administrative Offices
Indiana University-Purdue University Indianapolis
801 West Michigan Street, BS 3025
Indianapolis, IN 46202
(317) 274-4656 or Toll free: (877) 292-9321

infospea@iupui.edu

Administration

School of Public and Environmental Affairs

- JOHN D. GRAHAM, Ph.D., Dean
- MICHAEL MCGUIRE, Ph.D., Executive Associate Dean, Bloomington
- LILLIARD RICHARDSON, Ph.D., Executive Associate Dean, Indianapolis
- KIRSTEN GRONBJERG, Ph.D., Associate Dean, Bloomington
- JODY SUNDT, Ph.D., Associate Dean, Graduate and Executive Education, Indianapolis
- DAVID AUDRETSCH, Ph.D., Director, Institute for Development Strategies and Director of Overseas Study Program, Bloomington
- JEFF WHITE, Ph.D., Director, Integrated Program in the Environment, Bloomington
- BETH GAZLEY, Ph.D., Director, Masters of Public Affairs, Director, On-Line Education
- J.T. NEUFFER, Director, Career Development Office, Bloomington
- DAVID GOOD, Ph.D., Director, Transportation Research Center, Bloomington

- VICKY MERETSKY, Ph.D., Director, Master of Science in Environmental Science Program, Bloomington
- KATHY KOEHLER, M.P.A., Interim Director, IU Public Policy Institute, Indianapolis
- BRAD RAY, Ph.D., Director, Criminal Justice Research, IU Public Policy Institute, Member, Faculty Advisory Council, Indianapolis
- DOUGLAS NOONAN, Ph.D., Member, Faculty Advisory Council, IU Public Policy Institute, Indianapolis
- SAMUEL NUNN, Ph.D., Director, Criminal Justice Research, IU Public Policy Institute, Indianapolis
- CHRISTOPHER CRAFT, Ph.D., Director, Program in Environmental Science, Bloomington
- SERGIO FERNANDEZ, Ph.D., Director, Programs in Public Policy and Public Affairs, Bloomington
- SUZANN WEBER LUPTON, J.D., Director, Academic Affairs, Indianapolis
- ANDREA NEED, M.S.E.S., Director, Undergraduate Academic Affairs, Bloomington
- PAUL HELMKE, J.D., Director, Civic Leaders Living Learning Center, Bloomington
- THOMAS D. STUCKY, Ph.D., Director, Faculty Development and Online Initiatives, Indianapolis
- MICHAEL WILKERSON, M.F.A., Director, Arts Administration, Bloomington

School of Public and Environmental Affairs Dean's Council

- BRYCE CARMINE, Chicago, IL
- KATHY DAVIS, Indianapolis, IN
- THE HONORABLE LEE HAMILTON, Bloomington, IN
- ALLAN HUBBARD, Indianapolis, IN
- JERRY JASINOWSKI, Washington, DC
- MARIE C. JOHNS, Washington, DC
- SANDRA LANEY, Cincinnati, OH
- MARSHA LEVICK, Philadelphia, PA
- PHILLIPA MALMGREN, London, UK
- DANA MEAD, Boston, MA
- JAYMA MEYER, New York, NY
- WILLIAM L. MILLER, New York, NY
- EDWARD B. MONTGOMERY, Washington, DC
- BART PETERSON, Indianapolis, IN
- DANIEL J. PETERSON, Bloomington, IN
- THOMAS E. REILLY, JR, Indianapolis, IN
- CHARLES E. SCHALLIOL, Indianapolis, IN
- JAMES A. SCHELLINGER, Indianapolis, IN
- SCOTT H. SEGAL, Washington, DC
- WILLIAM E. SIMON, JR., Los Angeles, CA
- STUART H. SINGER, Fort Lauderdale, FL
- VERONICA STIDVENT, Austin, TX
- TERRENCE D. STRAUB, Washington, DC
- MELANIE WALKER, Bloomington, IN
- DAVID WANG, Naples, F

Organizations & Services

Career Development Office

SPEA Alumni Association

Business/SPEA Information Commons-Library

Honor Societies

Career Development Office

SPEA's Career Development Office (CDO) delivers a wide range of career/professional development programs and services for graduate students. Experienced Career Advisors meet individually with students as they begin their respective first semesters to plot their career timelines and orient them to the multiple career resources and services available to them:

- Individual career advising
- Self-assessment tools, such as the MBTI and StrengthsQuest
- CDO workshops and employer information sessions
- Critiquing of resumes, cover letters, and related application materials
- Assist with the formulation of internship and job-search strategies
- Training in career/industry research and interviewing
- Networking with professionals, including SPEA Alumni/ae and employers
- Individual strategies for making on- and off-campus recruiting opportunities work effectively
- Access to SPEACareers, our internship/job database specifically designed to serve SPEA students
- Quiet interview rooms available for Skype and phone interviews with employers
- An extensive collection of web-based career/ internship resources that covers opportunities in each area of academic concentration at SPEA

The CDO's Employer Relations team continually cultivates strong recruiting relationships with key employers representing the Public, Nonprofit, and Private sectors of the U.S. and global economies. Many of these employers include SPEA Alumni/ae who actively participate in signature CDO recruiting and networking events, both on- and off-campus. Our annual Career Networking and Exploration Trips (CNETs) to Washington DC, Chicago, and Indianapolis attract hundreds of alumni and employer representatives, all of which have a vested interest in connecting with current students. Each fall the CDO stages its annual Career Expo to bring employers and SPEA students together to share internship and job opportunities. Add to these our numerous on-campus career and internship information sessions with alumni and recruiters – the CDO and SPEA community serves as an important conduit to your post-SPEA career direction.

Bloomington Campus
SPEA Career Development Office
SPEA 200
812.855.9639
speacare@indiana.edu

Students seeking career-planning or professional development assistance on the Indianapolis campus should contact Kathleen Hursh, (317) 278-3651, hurshk@iupui.edu.

SPEA Alumni Association

SPEA has a strong commitment to its alumni and considers them among our most valued resources. The SPEA Office of Alumni Relations strives to maintain lifelong connections with our network of over 32,000

alumni. When SPEA graduates join the Indiana University Alumni Association, they automatically become members of the SPEA Alumni Association. The mission of the SPEA Alumni Association is to inspire and cultivate dynamic interactions among alumni, the school, and current students for the betterment of SPEA and the professions it serves. Some activities of the Association include the Capitol Hill Colloquium, annual social gatherings in Indianapolis, Denver, Chicago and Washington D.C., and networking and educational opportunities for SPEA alumni- nationally and globally. The association is also a sponsor of the SPEA Magazine, our e-newsletter, and manages an endowed scholarship that is awarded annually to SPEA undergraduate and graduate students. The SPEA Alumni Association is governed by an elected board of directors comprised of SPEA Alumni who represent diverse academic and geographic backgrounds. For more information, please visit www.indiana.edu/~spealum.

Business/SPEA Information Commons Library

The Bloomington Business/SPEA Information Commons-Library

The Business/SPEA Information Commons provides the space, research tools, and services that help foster Kelley School of Business and School of Public and Environmental Affairs stakeholders' success. The newly-renovated facility, accessible 96 hours/week, houses 16 group study rooms, 40 individual workstations, spaces for collaborative and quiet study, an 18,000-volume print collection, and a number of specialized library services. In addition, library subscriptions provide access to hundreds of subject-specific digital resources-- ABI/Inform, Bloomberg, Business Source Premier, Columbia International Affairs Online, CQ Public Affairs, Factiva, Mintel Reports, PAIS International, RDS Business Reference Suite, ThomsonONE, and more—that support business and public administration research, teaching, and learning. See the Business/SPEA Information Commons website <https://libraries.indiana.edu/bsic> for more information.

Honor Societies

Alpha Phi Sigma

Alpha Phi Sigma is the national criminal justice honor society at SPEA Indianapolis. 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 3.20 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. For additional information, students should contact their criminal justice faculty advisor.

Pi Alpha Alpha at SPEA Bloomington

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 may be 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. These are the national minimum requirements. However, higher minimum requirements may be used and may change annually depending on grade trends.

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

Information regarding Pi Alpha Alpha and the Honors Program at SPEA Indianapolis can be found at <http://bulletin.iupui.edu/>.

Centers & Institutes

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.

Center for Criminal Justice Research

The Center for Criminal Justice Research works with public safety agencies and social services organizations to provide impartial applied research on criminal justice and public safety issues. CCJR provides analysis, evaluation, and assistance to criminal justice agencies; and community information and education on public safety questions. Created in 2008 by the Indiana University School of Public and Environmental Affairs, some of the issues CCJR addresses include crime crime and justice trends, crime prevention, criminal justice systems, policing, traffic safety, and youth.

Center for Criminal Justice Research
School of Public and Environmental Affairs
334 North Senate Avenue, Suite 300
Indianapolis, IN 46204-1708

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Phone: (317) 261-3000

fax (317) 261-3050

Institute for Development Strategies

The Institute for Development Strategies, co-sponsored by the Office of Research, 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 entrepreneurship and economic development at local, national, and international levels. It focuses on strategies for entrepreneurship and economic development and conducts research on the causes and consequences of globalization. Additional information can be found at <https://spea.indiana.edu/institute-development-strategies/home.html>.

Institute for Family and Social Responsibility

The Institute for Family and Social Responsibility (FASR) is a joint effort of the School of Public and Environmental Affairs (SPEA) 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 and completed research projects examine the impact of welfare reforms; the adequacy of child support guidelines; programmatic improvements from two new E-government child support innovations; the efficacy of community-based child abuse prevention interventions; community responses to the Temporary Assistance to Needy Families legislation; the scope and level of involvement of faith-based organizations in delivering social services to current and former welfare recipients; and AIDS education for incarcerated youth, battered women, and the homeless. Two projects funded by the U.S. State Department were completed with the Stolypin Regional Academy of Civil Service and the Northwest Academy of Public Administration in Russia. Both projects had significant components focused on the effectiveness, financing, and management of social welfare programs. A third policy analysis capacity building project was recently completed with the Higher School of Economics in Moscow. The FASR institute also serves as the editorial home of the Journal of Policy Analysis and Management as well as the National Child Support Enforcement Research Clearinghouse. Annually, the institute co-sponsors a Family Impact Seminar for state legislators. Further information concerning FASR can be found at www.spea.indiana.edu/fasr/.

IU Public Policy Institute

The IU Public Policy Institute is a collaborative, multidisciplinary research institute within the Indiana University School of Public and Environmental Affairs. The Institute serves as an umbrella organization for research centers affiliated with SPEA, including the Center for Urban Policy and the Environment, the Center for Civic Literacy and the Center for Criminal Justice Research. The Institute also supports the [Indiana Advisory Commission on Intergovernmental Relations \(IACIR\)](http://www.indiana.edu/~iacir/).

IU Public Policy Institute
School of Public and Environmental Affairs
334 North Senate Avenue, Suite 300
Indianapolis, IN 46204-1708

Contact: Kathy Koehler, Interim Director
Phone: (317) 261-3039 [Call: (317) 261-3000]; Fax: (317) 261-3050

iuppi@iu.edu

www.policyinstitute.iu.edu/

Transportation Research Center

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.

Transportation Research Center
David Good, Director
501 S. Madison, Suite 105
Bloomington, IN 47403
(812) 855-7603
<https://spea.indiana.edu/transportation-research-center/home.html>

Center for Urban Policy and the Environment

The IU Center for Urban Policy and the Environment is devoted to supporting economic success for Indiana and a high quality of life for all Hoosiers. An applied research organization, CUPE was created by the Indiana University School of Public and Environmental Affairs in 1992. The Center works in partnership with community leaders, business and civic organizations, nonprofits, and government. CUPE's work is focused on urban policy, intergovernmental cooperation, community and economic development, housing, environmental issues, and fiscal affairs research essential to developing strategies to strengthen Indiana's economy and quality of life.

Center for Urban Policy and the Environment
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Center for Research in Energy and the Environment

The Center for Research in Energy and the Environment assembles top scholars from multiple disciplines to conduct innovative, timely and relevant research and policy analysis in the broad area of energy to help decision makers in all sectors make sound energy choices. Further information can be found at <http://www.indiana.edu/~cree/index.html>.

Admission

SPEA Bloomington

SPEA Indianapolis

Intercampus Transfer

Returning Education—Indianapolis

SPEA Bloomington

SPEA Bloomington requires application to its undergraduate programs between 12 and 75 credit

hours. It is a competitive admission process. Students are required to have a minimum cumulative GPA of 2.3 and complete a SPEA major or core class with a minimum grade of C. Students must successfully complete, with a grade of C- or higher, the Common Ground required courses in English Composition and Mathematical Modeling prior to admission to SPEA.

The minimum cumulative GPA requirement for admission may be subject to change. 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, the SPEA GPA, the cumulative GPA, and grade trends. A minimum cumulative GPA requirement for admission is established each semester.

Application deadlines are May 1 for fall admission and December 1 for spring admission. Applications for the Bloomington programs are available on the web at: <https://spea.indiana.edu/undergraduate/apply/undergradapplication.html>

Arts Management Admission Requirements

SPEA requires students applying to its undergraduate programs to have completed 12 credit hours and a maximum of 75 credit hours. Students are required to complete the introductory course SPEA-A 163 and have a cumulative GPA of 2.3. Students should apply for admission when they are enrolled in the preadmissions course SPEA-A 163.

It is a competitive admission process. Admission decisions are based on the cumulative GPA, grade trends, and application statement. Application deadlines are May 1 for fall admission and December 1 for spring admission. Applications for this program are available on the Web at .

Law and Public Policy Admission Requirement

SPEA requires students applying to its undergraduate programs to have completed 12 credit hours and a maximum of 75 credit hours. Students are required to complete a SPEA major or core class with a minimum grade of C and have a minimum cumulative GPA of 2.7.

It is a competitive admission process. Admission decisions are based on the cumulative GPA, grade trends, and application statement. Application deadlines are May 1 for fall admission and December 1 for spring admission. Applications for this program are available on the Web at <https://spea.indiana.edu/undergraduate/apply/undergradapplication.html>.

Direct Admission to SPEA Bloomington

Students directly admitted into SPEA out of high school will get a jump start on their SPEA careers by bypassing SPEA's traditional admissions process, receiving special consideration for scholarship opportunities and for participation in the Civic Leaders Living-Learning Center, and having access to SPEA advisors as soon as they arrive on campus. This early planning will ensure that SPEA Direct Admits are well positioned to take advantage of special opportunities, like our Washington Leadership Program, Accelerated Master's Program, and SPEA Study Abroad programs. Students who have been accepted to IU are eligible for direct admission to SPEA if they have indicated an interest in a SPEA major on their application at IU, have earned a minimum 1290 SAT or 27 ACT score, and rank within the top 15% of their high school class.

SPEA Indianapolis

Information regarding undergraduate admissions, transfers, credit for police and firefighting training, and the Sex Offenders Screening Policy for Students/Applicants for SPEA-IUPUI on the Indianapolis campus can be found at <http://bulletin.iupui.edu/>.

Intercampus Transfer

Intercampus Transfer to Bloomington

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.

Intercampus Transfer to Indianapolis

Information regarding undergraduate admissions, transfers, credit for police and firefighting training, and the Sex Offenders Screening Policy for Students/Applicants for SPEA-IUPUI on the Indianapolis campus can be found at <http://bulletin.iupui.edu/>.

Returning Education—Indianapolis

Information regarding returning students, Indianapolis Forgiveness Policy, and requirements for a second bachelor's degree for SPEA-IUPUI on the Indianapolis campus can be found at <http://bulletin.iupui.edu/>.

Policies & Procedures

The 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 System

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 Enrollment and Student Academic Information Handbook for deadlines).

On the Bloomington campus, any SPEA undergraduate student may retake a course for which he/she received a grade below an A. Students may exercise this option for no more than three courses, totaling no more than 10 credits and may use this option only once for a given

course. Additional information can be found at: <http://registrar.indiana.edu/extendedx.shtml>.

The Indianapolis campus has an expanded policy for grade replacement. A student seeking their first degree may replace up to 15 credits. Additional information about the IUPUI Grade Replacement Policy can be found on the [Registrar's page](#).

Grade Appeals

Students in **Bloomington** seeking to make an appeal should first meet with the professor to understand and resolve the issue. If the student feels they are at an impasse they may make an appeal to the Director, Undergraduate Programs. They should fill out a grade appeal form which is available in the Undergraduate Program Office and send the form to the Director. The Director will meet individually with the student and the professor to learn about the situation and find a resolution. If no resolution is arrived at, the Director will make a final decision, informing both the student and the professor with a copy to the SPEA Executive Associate Dean.

Students in **Indianapolis** have 90 days after the conclusion of a course to appeal a grade. Resolution of the issue with the class instructor must be attempted before submitting a written appeal to the appropriate program director. In the event the instructor for the **Indianapolis** campus cannot be contacted, the student must give a notice of intent to appeal at 90 days.

More information can be found on the SPEA-IUPUI bulletin website at <http://bulletin.iupui.edu/>.

Academic Standing

- Good Academic Standing
- Probation
- Critical Probation
- Dismissal
- Readmission

SPEA Bloomington Critical Probation

A student will be placed on critical probation if his/her SPEA GPA falls below 2.30. In the Bachelor of Science in Arts Management, students will be placed on critical probation if the SPEA GPA falls below a 2.7. In order for the SPEA GPA to be considered, a student must have completed 12 or more credit hours in the major. If placed on critical probation SPEA will establish strict conditions that must be met before that student will be allowed to register for future classes. Students who fail to return to good standing at the conclusion of critical probation will be dismissed from the school.

SPEA Indianapolis Critical Probation policy

Information regarding the SPEA Indianapolis Critical Probation Policy can be found in the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

Probation

SPEA Bloomington Probation Policy

A student will be placed on academic probation if his/her cumulative or semester grade point average is below 2.0. In the Bachelor of Science in Arts Management, students will be placed on probation if the cumulative falls below

a 2.3 or the semester is below a 2.0. If a student fails to return to good academic standing at the conclusion of the probation semester, the student may be dismissed from the school.

SPEA Indianapolis Probation Policy

Please see the information on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

Good Academic Standing

Students are in good academic standing when their semester and their cumulative grade point averages are 2.0 or above and their SPEA grade point average is at least 2.3. In the Bachelor of Science in Arts Management, students must maintain a SPEA grade point average of at least a 2.7, semester above a 2.0, and cumulative above a 2.3.

Students must be in good academic standing to graduate.

SPEA Bloomington Dismissal

If a student does return to good academic standing after their probation or critical probation semester, he/she may be dismissed. Under special circumstances, a SPEA student may be dismissed if there is significant grade point average issues. Dismissed students will have their upcoming semester courses cancelled.

Information regarding SPEA Indianapolis Dismissal Policy and Freshman Dismissal Policy can be found on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

Readmission

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

SPEA Indianapolis Reinstatement policy

Please see the information on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

Student Rights and Responsibilities

Each student is responsible for knowing their rights and responsibilities as a member of the academic community as outlined in the Indiana University [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. Among the student's obligations is that each student is responsible for knowing and meeting the requirements for their academic programs. Faculty and staff are available to guide and assist students, but the responsibility rests with the student. SPEA students who engage in academic or personal misconduct are subject to SPEA's judicial process and disciplinary actions.

SPEA Indianapolis fully supports the rights and responsibilities of students as defined in the IUPUI *Code of Student Rights, Responsibilities, and Conduct*. The *Student Codes* spells out the expectations for faculty and students, and it provides the framework for SPEA's judicial process.

A student is entitled to rights in the pursuit of his or her education; freedom from discrimination and harassment; and freedom of association, expression, advocacy, and publication. A student also has the right to contribute to university governance, to receive accommodations

for disabilities, and to access records and facilities. In accordance with federal law, student records are confidential and are available to other persons only under specific conditions as outlined in university regulations.

A student is responsible for upholding and following all applicable codes of conduct, including the IUPUI *Student Code* and SPEA's policy on classroom etiquette and disorderly conduct, and for obeying all applicable policies and procedures and all local, state, and federal laws. A student is responsible for facilitating the learning process, attending class regularly, completing class assignments, and coming to class prepared. In addition, a student is responsible for planning his or her own academic program, planning class schedules, and for meeting the requirements for his or her degree or certificate programs. Faculty and academic advisors are available to assist students in meeting this responsibility. A student is responsible for maintaining and regularly monitoring his or her university accounts, including e-mail and bursar accounts. A student is responsible for using university property and facilities in the pursuit of his or her education, while being mindful of the rights of others to do the same. A student is responsible for upholding and maintaining academic and professional honesty and integrity.

More information can be found on the SPEA-IUPUI bulletin website at <http://bulletin.iupui.edu/>.

School Standards

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 [SPEA Student Honor Code](#), and the Code of Student Rights, Responsibilities, and Conduct. The policy on academic dishonesty is also published each semester in the *Bloomington Enrollment and Student Academic Information Handbook*. At **Indianapolis**, this is a basic principle of intellectual life that holds students responsible for taking 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, and it is not tolerated. Academic misconduct includes cheating, fabrication, plagiarism, interference, violation of course rules, and facilitating academic dishonesty. Students are responsible for knowing what behaviors and activities constitute these different forms of academic misconduct. Penalties and procedures that are applicable when academic misconduct or dishonesty occurs are described in the *IUPUI Code of Student Rights, Responsibilities, and Conduct*.

Indianapolis Statement on Civility

SPEA, which is a professional school, expects students to conduct themselves in a courteous and civil manner in interactions with professors, staff, and fellow students. Examples of discourteous behavior during class include reading the newspaper, working crossword puzzles, using headphones to listen to music or other non-class items, using computers to surf the Web or for other non-class activities, talking or laughing with others, arriving late, and

so forth. These behaviors are distracting to the instructor, to staff, and to classmates, and SPEA faculty and staff will address these problems as they arise either in class or on an individual basis. Disorderly conduct that interferes with teaching, research, administration, or other university or university-authorized activity will not be tolerated, and it may result in disciplinary action, including possible suspension and/or expulsion from the university.

Degree Requirements

- Application for Degree
- Bulletin Policy
- Course Opportunities
- Degrees Awarded with Distinction
- Double-Counting
- GPA Requirement
- Hours Requirements
- Requirements for a Second Bachelor's Degree
- Transfer Course Policy

Application for Graduation

All IU students must apply to graduate with their schools. IUB does not automatically award degrees once requirements are complete; students need to declare their intention by completing a graduation application.

SPEA Bloomington students are asked to complete an online graduation application after they've registered for their final semester of coursework--final spring semester for May or July graduates, final fall semester for December graduates. May or July graduates are asked to comply with a December 1 deadline, December graduates with a May 1 deadline. The online graduation application is available each semester for a limited time. The graduation application link is available online. For questions, please contact the SPEA Undergraduate Programs Office at 812.855.0635.

In Indianapolis, the graduation application should be completed by September 10 for December graduation, or January 10 for May or August graduation. The SPEA graduation application is available [online](#) or by visiting SPEA Student Services. Further information can be found on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

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 the 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.

Course Opportunities

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. Deadlines for exercising this option are published in the *Enrollment and*

Student Academic Information Handbook and are strictly enforced.

With SPEA faculty approval, a student in good standing may earn a maximum of 9 credit hours through the **SPEA internship** program.

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.

More information on SPEA-IUPUI policies covering independent study, internships and minors can be found at <http://bulletin.iupui.edu/>.

Study Abroad

SPEA accepts approved study abroad courses as requirements for SPEA undergraduate majors, minors and certificates. All courses are evaluated by the Undergraduate Programs Office and must be applicable to the major, minor or certificate.

Majors:

- A maximum of two approved major courses (up to eight credit hours) from non-SPEA study abroad programs will be allowed in eligible SPEA undergraduate majors.
- A maximum of two total courses (up to eight credit hours) from non-SPEA programs may be counted for any combination of major, minor or certificate.
- The limit of two study abroad courses does not apply to SPEA Abroad programs and courses.
- The limit of two study abroad courses does not apply to general education or elective courses.

Minors and Certificates:

- A maximum of one approved course (up to four credit hours) from non-SPEA study abroad programs will be allowed in eligible SPEA undergraduate minors and certificates.
- A maximum of two approved courses (up to eight credit hours) from SPEA abroad programs will be allowed in eligible SPEA undergraduate minors and certificates.

Double-Counting

In **Bloomington**, the following course double-count policies are for admitted SPEA students only. Non-SPEA majors cannot double count courses with any SPEA academic program.

- **SPEA Minors:** Admitted SPEA students earning a SPEA minor may double count up to six (6) credit hours of minor courses with any other SPEA academic program. Each SPEA minor must have at least nine (9) credit hours that do not count toward any other SPEA academic program.
- **SPEA Certificates:** Admitted SPEA students earning a SPEA certificate may double count up to six (6) credit hours of certificate requirements with any other SPEA academic program. The remaining SPEA certificate credit hours cannot be applied toward any other SPEA academic program.
- **SPEA Double Majors:** Admitted SPEA students earning two SPEA majors within the same degree

may double count up to six (6) credit hours of major courses for both majors. Since SPEA core courses are common to both majors, only courses specific to the majors (not core courses) are subject to the double-counting limit.

- **Dual Degrees:** Admitted SPEA students earning two SPEA degrees may double count up to six (6) credit hours of core or major courses for both degrees.

For **Indianapolis** policies on double-counting, please go to SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

GPA Requirement

A minimum cumulative and semester GPA of 2.0 is required for the B.S. degrees. In addition, a SPEA core and major/concentration GPA of 2.3 must be maintained in order to graduate.

In **Bloomington** the Bachelor of Science in Arts Management student must maintain a 2.7 (B-) overall grade point average in the core and major requirements as well as a 2.3 (C+) cumulative grade point average in all course work taken at Indiana University 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 requires a cumulative GPA of 2.0 (C) to graduate. All courses taken to satisfy major requirements must be completed with a C- or higher and with a cumulative GPA of 2.0 (C) for all courses taken in the major.

For **Bloomington** students seeking certificates or minors from SPEA, the minimum GPA requirement is 2.0 in all applicable course work.

In **Bloomington** the Educational Policy minor requires a C or better in each course and a 2.0 GPA overall.

In **Indianapolis** a minimum cumulative GPA of 2.0 is required for the B.S. degrees. In addition, a SPEA major GPA of 2.3 must be maintained in order to graduate. For students seeking certificates from SPEA, the minimum cumulative GPA requirement is a 2.0 or higher, and for students pursuing a minor the minimum cumulative GPA is a 2.3 or higher in all applicable course work.

More information on **Indianapolis** grade policies can be found at <http://bulletin.iupui.edu/>.

Hours Requirements

Students must successfully complete a minimum of 120 credit hours. The campus at which a student completes the plurality of 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, 90 or more; junior, 60-89; sophomore, 30-59; freshman, 0-29.

Transfer Course Policy

For the **Indianapolis** campus policies on transferring credits, please go to <http://bulletin.iupui.edu/>.

Degrees Awarded with Distinction

SPEA recognizes outstanding performance by awarding bachelor's and associate degrees with three levels of distinction to students. 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—Bloomington and Indianapolis

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.

Programs

The Indiana University School of Public and Environmental Affairs offers a wide range of undergraduate programs on the Bloomington-Indianapolis core campuses. The undergraduate degrees are the Bachelor of Science in Public Affairs (B.S.P.A.), the Bachelor of Science in Healthcare Management and Policy (B.S.H.M.), the Bachelor of Science in Criminal Justice (B.S.C.J.), Bachelor of Science in Arts Management (B.S.A.M.) and, through a joint program with the College of Arts and Sciences, a Bachelor of Arts in Environmental Sustainability (B.A.E.S.), a Bachelor of Science in Environmental Science (B.S.E.S.). In addition, the undergraduate program includes minors and certificate programs.

On July 1, 2008, the Divisions of Public and Environmental Affairs located on the Fort Wayne, Kokomo, Northwest (Gary), and East (Richmond) campuses became SPEA affiliated programs. As affiliated programs these divisions will continue to offer the SPEA curriculum approved for their campus; will continue to grant SPEA degrees to students who fulfill the necessary degree requirements; and will continue to use the SPEA name for academic purposes. Courses will continue to be transferable between the affiliated programs and the Bloomington-Indianapolis core campus programs. Not all degrees, minors, and certificates are offered at all campuses.

Information concerning these programs can be obtained by visiting our Web site at <https://spea.indiana.edu/undergraduate/degrees-majors/index.html> or from the following SPEA core campus offices:

Bloomington

Undergraduate Programs Office
School of Public and Environmental Affairs
SPEA Building 240
Indiana University
1315 E. Tenth Street
Bloomington, IN 47405-2100
(812) 855-0635

speaundergrad@indiana.edu

www.spea.indiana.edu/

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 Toll free: (877) 292-9321

infospea@iupui.edu

www.spea.iupui.edu

In addition to the SPEA core school bulletin, please note that IUPUI maintains a separate bulletin which also includes SPEA Indianapolis information. This bulletin has additional information specific to the IUPUI campus. Explore the IUPUI bulletin here: <http://bulletin.iupui.edu/>

Bloomington Campus

- Bachelor of Arts in Environmental Sustainability Studies (B.A.E.S.S)
- Bachelor of Science in Arts Management (B.S.A.M)
- Bachelor of Science in Environmental Science (B.S.E.S)
- Bachelor of Science in Public Affairs (B.S.P.A)
- Bachelor of Science in Healthcare Management and Policy (B.S.H.M.P)
- Minors
- Certificate Programs

About the Bachelor of Science Degree Programs

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

More than ever, people who take on leadership roles in society—whether as professionals or volunteers—need formal training in managing staff, fiscal resources, information, public relations and marketing, and technology. With its focus on managing resources and solving problems, the Bachelor of Science in Public Affairs (B.S.P.A.) degree prepares students for careers in diverse areas such as federal, state, and local politics and administration; public policy evaluation; management consulting; public relations; management of nonprofit organizations; and monitoring, assessment, and amelioration of environmental problems—to name only a few. Majors in the degree program include: human resource management, management, law and public policy, public and nonprofit management, policy analysis, public financial management, and environmental management. Students who choose to continue with their education after earning an undergraduate degree frequently study law, planning, public affairs, environmental science, or business administration.

There is a critical need for scientists who can incorporate their expertise into policies that address environmental concerns, such as global climate change, pollution of

water and air, conservation of endangered species and habitats, urban sprawl, and human illnesses caused by environmental problems. To meet that need, the School of Public and Environmental Affairs and the College of Arts and Sciences developed the Bachelor of Science in Environmental Science (B.S.E.S.) degree, a unique cooperative program between two leading schools at Indiana University. Designed as a rigorous interdisciplinary science curriculum, the degree prepares students either for direct entry into an environmental science career or for graduate study in the traditional sciences or environmental science.

Both government and private organizations are seeking ways to maintain or improve the quality of health care in the United States. At the same time, there is an increasing need to control skyrocketing costs. The Bachelor of Science in Healthcare Management and Policy (B.S.H.M.P.) prepares students to meet those challenges. The major prepares students for health management careers by developing their organizational, analytical, managerial, and leadership skills. Graduates often pursue careers in the public, private, or nonprofit sector in areas such as public health, environmental health, health administration, epidemiology, or health policy and planning. B.S.H.M.P. students have gone on for post-baccalaureate training in diverse areas such as public health, health administration, public affairs, law, business administration, and environmental science and policy.

Now more than ever, institutions in the arts need a well trained, dedicated cadre of administrators able to navigate minefields underlying financial pressures, organizational constraints, and shifts in competitive entertainment, as well as consumer interest. The Bachelor of Science in Arts Management (B.S.A.M.) and Bachelor of Arts in Environmental Science Studies (B.A.E.S.S) degrees provides undergraduate students with the background and skills necessary to function in the management aspects of the arts industry. Graduates of this degree program are prepared to seek entry level careers in areas such as: development and donor relations, marketing, audience development and public relations, artistic direction and programming, financial management, volunteer coordination, arts education, public policy, and advocacy.

Bachelor of Science (B.S.) in Public Affairs

Bachelor of Science in Public Affairs

The Bachelor of Science in Public Affairs requires 120 credit hours. The Bloomington campus offers seven majors: Environmental Management, Human Resource Management, Law and Public Policy, Management, Policy Analysis, and Public Financial Management.

DEGREE REQUIREMENTS

The SPEA curriculum is divided into five categories—Common Ground, SPEA Preparation, Electives, Public Affairs Core, and a Major area. For students who enter Indiana University Bloomington in June 2011 or after, Common Ground and SPEA Preparation are required. SPEA General Education is in effect for students who matriculated to Indiana University Bloomington prior to Spring 2011 or before.

Common Ground

See <http://bulletins.iu.edu/iub/college/2016-2017/degree-requirements/index.shtml> for updated requirements and a complete list of course options.

SPEA Preparation (21 cr.)

Communications (6 cr.)

Professional Writing (One of the following courses)

- ENG-W 231 Professional Writing Skills (3 cr.)
- ENG-W 240 Community Service Writing (3 cr.)
- BUS-C 204 Business Communications (3 cr.)
- or SPEA equivalent

Oral Communication (One of the following courses)

- ANTH-A 122 Interpersonal Communication (3 cr.)
- ANTH-L 208 Ways of Speaking (3 cr.)
- BUS-C 104 Business Presentations (3 cr.)
- COLL-P 155 Public Oral Communications (3 cr.)
- ENG-R 228 Argumentation and Public Advocacy (3 cr.)
- THTR-T 120 Acting I (3 cr.)
- or SPEA equivalent

Quantitative Methods (12 cr.)

Computer Course (One of the following courses)

- SPEA-V 261 Computers in Public Affairs (3 cr.)
- BUS-K 201 The Computer in Business (2-3 cr.)
- CSCI-A 110 Introduction to Computers and Computing (3 cr.)
- CSCI-A 201 Introduction to Programming I (4 cr.)

Each of the following courses:

- SPEA-K 300 Statistical Techniques (3 cr.) **or** equivalent
- ECON-E 201 Introduction to Microeconomics (3 cr.) **or** equivalent
- ECON-E 202 Introduction to Macroeconomics (3 cr.) **or** equivalent

American Government Foundations

- POLS-Y 103 Introduction to American Politics (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-E 162 Environment and People (3 cr.) **or** SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
- Note:** Environmental Management majors *must* select SPEA-E 272.
- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)
- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)

Experiential Learning Requirement

- SPEA-V 252 Career Development and Planning (2 cr.)
- SPEA-V 381 Professional Experience (1 cr.)

Each B.S.P.A. student is required to complete an internship experience. Internships give students an excellent opportunity to apply classroom theory and techniques to real-life experiences. Students should register for SPEA-V 252 the first semester they are accepted into the program.

In order for an internship to satisfy the experiential learning requirement (V 381), students must:

- Be officially admitted to the School of Public and Environmental Affairs
- Earn a passing grade in SPEA-V 252
- Successfully complete a minimum of one class in their major/concentration with a passing grade
- Be in overall good academic standing
- Receive internship approval from the Career Development Office before beginning the internship experience.

All students admitted to SPEA in the fall of 2008 and thereafter who have completed either ASCS-Q 299 Job Search Strategies for Liberal Arts Students or ASCS-Q 294 Basic Career Development and ASCS-Q 275 Professional Portfolio Development with a grade of "S" (passing) prior to admission to SPEA are not required to complete SPEA-V 252 Career Development. These students are still required to register for and complete an internship experience. Specific enrollment instructions and authorization will be provided to these students by the Career Development Office.

Majors

There are eight majors offered on the Bloomington campus. They are Environmental Management, Human Resource Management, Law and Public Policy, Management, Policy Analysis, Public Management and Leadership, Nonprofit Management and Leadership, and Public Financial Management.

Environmental Management Major

Requirements (Eleven courses)

Note: Courses may be listed in more than one area below. However, no course will count more than once in the major. SPEA-E 272 is required for Environmental Management majors; SPEA-E 162 will not count for this major.

The following four courses:

- SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
- SPEA-E 311 Introduction to Risk Assessment and Risk Communication (3 cr.)
- SPEA-E 332 Introduction to Applied Ecology (3 cr.)
- SPEA-E 363 Environmental Management (3 cr.)

One of the following courses in Law and Public Policy:

- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)

- SPEA-E 476 Environmental Law and Regulations (3 cr.)

Six of the following courses in Environment Management, chosen in consultation with a faculty advisor:

- SPEA-E 260 Introduction to Water Resources (3 cr.)
- SPEA-E 316 Insects and the Environment (3 cr.)
- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-E 325 Computing for Environmental Scientists (2 cr.)
- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-E 355 Introduction to Limnology (3 cr.)
- SPEA-E 375 Techniques of Environmental Science (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-E 401 Human Behavior and Energy Consumption (3 cr.)
- SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
- SPEA-E 411 Introduction to Groundwater Hydrology (3 cr.)
- SPEA-E 412 Risk Communication (3 cr.)
- SPEA-E 418 Vector-Based Geographic Information Systems (3 cr.)
- SPEA-E 419 Applied Remote Sensing of the Environment (3 cr.)
- SPEA-E 422 Urban Forest Management (3 cr.)
- SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA-E 440 Wetlands: Biology and Management (3 cr.)
- SPEA-E 442 Habitat Analysis—Terrestrial (3 cr.)
- SPEA-E 443 Habitat Analysis—Aquatic (3 cr.)
- SPEA-E 451 Air Pollution and Control (3 cr.)
- SPEA-E 452 Solid and Hazardous Waste Management (3 cr.)
- SPEA-E 455 Limnology (4 cr.)
- SPEA-E 456 Lake and Watershed Management (3 cr.)
- SPEA-E 457 Introduction to Conservation Biology (3 cr.)
- SPEA-E 460 Fisheries and Wildlife Management (3 cr.)
- SPEA-E 461 Fisheries and Wildlife Management Laboratory (3 cr.)
- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)
- SPEA-E 476 Environmental Law and Regulation (3 cr.)
- SPEA-E 482 Overseas Topics in Environmental Science (0-15 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-H 316 Environmental Health (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 365 Urban Development and Planning (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)

- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.)
- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-V 461 Computer Applications in Public Affairs (3 cr.)
- SPEA-V 462 Community Development (3 cr.)
- SPEA-V 475 Database Management Systems (3 cr.)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only; may be repeated with different topics)

Human Resource Management Major

Requirements (Twelve courses)

The following four courses:

- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.) **or** BUS-A 201 Introduction to Financial Accounting (3 cr.) (P: BUS-A 100)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)

The following five courses:

- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201) **or** BUS-F 300 Introduction to Financial Management (3 cr.) (P: BUS-A 200, A 201 or A 202)
- SPEA-V 476 Compensation Strategy and Systems (3 cr.)
- SPEA-V 477 Strategic Human Resource Management (3 cr.) (P: SPEA-V 373)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.) (P: SPEA-V 220)
- SPEA-V 479 Employee Recruitment and Selection (3 cr.) (P: SPEA-V 373)

Three of the following courses:

- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (approved topics only, may be repeated with different topics)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (approved topics only, may be repeated with different topics)

Law and Public Policy Major

Requirements (Twelve courses)

Both of the following courses:

- SPEA-V 339 Legal History and Public Policy (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)

One of the following courses:

- SPEA-V 405 Public Law and the Legislative Process (3 cr.)
- SPEA-V 406 Public Law and the Electoral Process (3 cr.)
- SPEA-V 407 Public Law and Government Relations (3 cr.)

Five of the following courses: at least 4 courses must be offered by SPEA

- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-E 476 Environmental Law and Regulation (3 cr.)
- SPEA-H 341 Legal Aspects of Health Care Administration (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 377 Legal Processes and Contemporary Issues in America (3 cr.)
- SPEA-V 405 Public Law and the Legislative Process (3 cr.)
- SPEA-V 406 Public Law and the Electoral Process (3 cr.)
- SPEA-V 407 Public Law and Government Relations (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-V 456 Topics in Public Law (3 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-V 462 Community Development (3 cr.)
- SPEA-V 476 Compensation Strategy and Systems (3 cr.)
- SPEA-V 477 Strategic Human Resource Management (3 cr.) (P: SPEA-V 373)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.) (P: SPEA-V 220)
- SPEA-V 479 Employee Recruitment and Selection (3 cr.) (P: SPEA-V 373)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only; may be repeated with different topics)
- AAAD-A 481 Racism and the Law (3 cr.)
- ANTH-E 475 Law and Culture (3 cr.)
- BUS-L 201 Legal Environment of Business (3cr.) **or** BUS-L 203 Commercial Law I (3 cr.)
- BUS-L 302 Sustainability Law & Policy (3 cr.)
- BUS-L 303 Commercial Law II (3 cr.)
- BUS-L 406 Employment Problems and the Law (3 cr.)
- CJUS-P 370 Legal Aspects of Criminal Justice Systems I (3 cr.)
- CJUS-P 371 Legal Aspects of Criminal Justice Systems II (3 cr.)

- CLAS-C 408 Roman Law (3 cr.)
- SPH-R 414 Legal Aspects of Recreation (3 cr.)
- MSCH-J 300 Communications Law (3 cr.)
- MCSH-J 407 Newsgathering and the Law (3 cr.)
- MCSH-L 424 Telecommunications and the Constitution (3 cr.)
- PHIL-P 375 Philosophy of Law (3 cr.)
- POLS-Y 304 American Constitutional Law I (3 cr.)
- POLS-Y 305 American Constitutional Law II (3 cr.)
- POLS-Y 367 International Law (3 cr.)
- SOC-S 326 Law and Society (3 cr.)

The following two courses:

- V370 Research Methods and Statistical Research (3 cr.) (P: SPEA-K 300 or equivalent)
- V379 Performance Measurement and Program Evaluation (3 cr.)

Two SPEA-V 450 topics courses offered by Maurer:

- SPEA-V 450 topics course offered by Maurer faculty (3 cr.)

Management Major

Requirements (Eleven courses)

The following five Management Foundation courses:

- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.) **or** BUS-A 201 Introduction to Financial Accounting (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 **or** BUS-A 201) **or** BUS-F 300 Introduction to Financial Management (3 cr.) (BUS-A 200, A 201 or A 202)
- SPEA-V 369 Managing Information Technology (3 cr.)

Two of the following Analytical courses:

- SPEA-V 348 Management Science (3 cr.)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.) (P: SPEA-K 300 or Equivalent)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 389 Risk and Hazard Mitigation (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 441 Topics in Financial Management and Policy (3 cr.)
- SPEA-V 442 Topics in Budgeting or Cost Benefit (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved Topics only, may be repeated with different topics)

Two of the following Human Resource courses:

- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)

- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)
- SPEA-V 463 Interpersonal Relations in the Workplace (3 cr.)
- SPEA-V 476 Compensation Strategy and Systems (3 cr.)
- SPEA-V 477 Strategic Human Resource Management (3 cr.) (P: SPEA-V 373)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.) (P: SPEA-V 220)
- SPEA-V 479 Employee Recruitment and Selection in the Public Sector (3 cr.) (P: SPEA-V 373)

Three of the following Major courses:

- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-E 363 Environmental Management (3 cr.)
- SPEA-E 476 Environmental Law and Regulation (3 cr.)
- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 340 Urban Government Administration (3 cr.)
- SPEA-V 346 Introduction to Government Accounting and Financial Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 356 Introduction to Nonprofit Accounting and Reporting (3 cr.) (SPEA-V 246)
- SPEA-V 365 Urban Development and Planning (3 cr.)
- SPEA-V 378 Policy Processes in the United States (3 cr.)
- SPEA-V 407 Public Law and Government Relations (3 cr.)
- SPEA-V 412 Leadership Ethics (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 437 Public Transportation (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.)
- SPEA-V 460 Intergovernmental Relations (3 cr.)
- SPEA-V 462 Community Development (3 cr.)

Policy Analysis Major

Requirements (Twelve courses)

Students must take whichever of the following they didn't take in the General Education requirements:

- MATH-M 118 Finite Mathematics (3 cr.)
- MATH-M 119 Brief Survey of Calculus I (3 cr.) **or** MATH-M 211 Calculus I (4 cr.)

Each of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.) or BUS-A 201 Introduction to Financial Accounting (3 cr.) (P: BUS-A 100)
- SPEA-V 348 Management Science (3 cr.)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.) (P: SPEA-K 300 or equivalent)
- SPEA-V 386 Case Studies for Policy Analysis (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 449 Senior Policy Seminar (3 cr.)

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

- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-E 401 Human Behavior and Energy Consumption (3 cr.)
- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)
- SPEA-E 476 Environmental Law and Regulation (3 cr.)
- SPEA-H 324 Health Policy (3 cr.)
- SPEA-H 416 Environmental Health Policy (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 365 Urban Development and Planning (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 371 Financing Public Affairs (3 cr.)
- SPEA-V 378 Policy Process in the United States (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 405 Public Law and the Legislative Process (3 cr.)
- SPEA-V 406 Public Law and the Electoral Process (3 cr.)
- SPEA-V 407 Public Law and Government Relations (3 cr.)
- SPEA-V 412 Leadership Ethics (3 cr.)
- SPEA-V 421 Metropolitan Development (3 cr.)
- SPEA-V 422 Transportation Policy Analysis (3 cr.)
- SPEA-V 437 Public Transportation (3 cr.)
- SPEA-V 447 Federal Budget Policy (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only; may be repeated with different topics)
- SPEA-V 451 Social Policy and the Aging (3 cr.)
- SPEA-V 457 Management Science in the Public Sector (3 cr.)
- SPEA-V 460 Federalism, Intergovernmental Relations, and Management (3 cr.)
- SPEA-V 461 Computer Applications in Public Affairs (3 cr.)
- SPEA-V 462 Community Development (3 cr.)

- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only; may be repeated with different topics)

Public Management and Leadership Major

Requirements (Eleven courses)

The following five Foundation courses:

- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 263 Public Management (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)

Two of the following Context Courses:

- SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.)
- SPEA-V 365 Urban Development and Planning (3 cr.) (P: SPEA-V 161)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (approved topics only; may be repeated with different topics)
- SPEA-V 460 Intergovernmental Relations (3 cr.)
- SPEA-V 462 Community Development (3 cr.)

Four of the following Skills courses:

- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 370 Research Methods and Statistical Modeling (P: SPEA-K 300 or equivalent)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)

Nonprofit Management and Leadership Major

Requirements (Twelve courses)

The following six courses:

- SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.) or SPEA-V 241 Management Foundations and Approaches (3 cr.)
- SPEA-V 246 Elements of Government and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) or SPEA-V 366 Managing Behavior in Public Organizations (3 cr.)
- SPEA-V 356 Introduction to Nonprofit Accounting & Reporting (3 cr.) or SPEA-V 426 Financial

Management and Accounting in Nonprofit Organizations (3 cr.)

- SPEA-V 362 Nonprofit Management & Leadership (3 cr.)

Three of the following SPEA Nonprofit Issues and Practices courses:

- SPEA-V 434 NGO Management in Comparative Perspective (3 cr.)
- SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.)
- SPEA-V 450 Human Resource Management in Nonprofits (3 cr.)
- SPEA-V 450 Grantwriting (3 cr.)
- SPEA-V 450 Nonprofit Resource Management (3 cr.)
- SPEA-V 450 Social Advocacy and Special Interest Groups (3 cr.)

Three of the following courses, at least two of the courses must be offered by SPEA:

- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 368 Managing Government Operations (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.) (P: SPEA-K300 or equivalent)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.)
- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (approved topics only; may be repeated with different topics)
- SPEA-V 463 Interpersonal Relations in the Workplace (3 cr.)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (approved topics only; may be repeated with different topics)
- SPEA-V 475 Database Management Systems (3 cr.)

Field-specific courses from SPEA: Arts Management:

- SPEA-A 163 Art Worlds: Management, Markets, and Policy (3 cr.)
- SPEA-A 241 Inside Community Arts Organizations (3 cr.)
- SPEA-A 354 Arts Marketing Fundamentals (3 cr.)
- SPEA-A 459 Public Policy and the Arts (3 cr.)
- SPEA-A 464 The Economics and Admin of Arts Orgs (3 cr.)

Field-specific courses from SPEA: Health Administration

- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-H 316 Environmental Health Policy (3 cr.)
- SPEA-H 492 Global Health Issues and Management (3 cr.)

Field-specific courses from SPEA: Environmental Management

- SPEA-E 363 Environmental Management (3 cr.)
- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)

Field-specific courses from School of Journalism:

- MSCH-R 431 Public Relations for Nonprofits (3 cr.)

Field-specific courses from School of Public Health:

- SPH-R 311 Management in Recreation, Park, and Tourism (3 cr.)

Field-specific courses from School of Social Work

- SWK-S 352 Social Welfare Policy and Practice (3 cr.)
- SWK-S 433 Community Behavior and Practice (3 cr.)

Field-specific courses from Department of Sociology

- SOC-S 201 – Social Problems (3 cr.)
- SOC-S 217 – Social Inequality (3 cr.)

Filed-specific courses from School of Global and International Studies

- INTL-I 202 Health, Environment, and Development

Public Financial Management Major

Requirements (Ten courses)

Five of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 346 Introduction to Government Accounting and Financial Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 371 Financing Public Affairs (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 447 Federal Budget Policy (3 cr.)
- SPEA-V 439 Debates in Public Finance (3 cr.)

Five additional courses from the remainder of courses listed above or the following:

- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-H 324 Health Policy (3 cr.)
- SPEA-H 354 Health Economics (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 348 Management Science (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)

- SPEA-V 386 Case Studies for Policy Analysis (3 cr.)
- SPEA-V 412 Leadership Ethics (3 cr.)
- SPEA-V 421 Metropolitan Development (3 cr.)
- SPEA-V 437 Public Transportation (3 cr.)
- SPEA-V 441 Topics in Financial Management and Policy (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 442 Topics in Budgeting or Cost-Benefit (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 461 Computer Applications in Public Affairs (3 cr.)
- SPEA-V 462 Community Development (3 cr.)
- SPEA-V 475 Database Management (3 cr.)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Bachelor of Science (B.S.) in Healthcare Management and Policy

Bachelor of Science in Healthcare Management and Policy

This 120 credit hour degree program offers a major in Healthcare Management and Policy.

DEGREE REQUIREMENTS

Students must satisfy requirements in five main areas: Common Ground, SPEA Preparation, Electives, a Healthcare Management Core, and the required major courses. For students who enter Indiana University Bloomington in June 2011 or after, Common Ground and SPEA Preparation are required. SPEA General Education is in effect for students who matriculated to Indiana University Bloomington prior to June 2011.

Common Ground

See <http://bulletins.iu.edu/iub/college/2016-2017/degree-requirements/index.shtml> for updated requirements and a complete list of course options.

SPEA Preparation (21 cr.)

Communications (6 cr.)

Professional Writing (One of the following courses)

- ENG-W 231 Professional Writing Skills (3 cr.)
- ENG-W 240 Community Service Writing (3 cr.)
- BUS-C 204 Business Communications (3 cr.)
- or SPEA equivalent

Oral Communication (One of the following courses)

- ANTH-A 122 Interpersonal Communication (3 cr.)
- ANTH-L 208 Ways of Speaking (3 cr.)
- BUS-C 104 Business Presentations (3 cr.)
- COLL-P 155 Public Oral Communications (3 cr.)
- ENG-R 228 Argumentation and Public Advocacy (3 cr.)
- THTR-T 120 Acting I (3 cr.)
- or SPEA equivalent

Quantitative Methods(12 cr.)

Computer Course (One of the following courses)

- SPEA-V 261 Computers in Public Affairs (3 cr.)

- BUS-K 201 The Computer in Business (3 cr.)
- CSCI-A 110 Introduction to Computers and Computing (3 cr.)
- CSCI-A 201 Introduction to Programming (4 cr.)

Each of the following courses:

- SPEA-K 300 Statistical Techniques (3 cr.) or equivalent
- ECON-E 201 Introduction to Microeconomics (3 cr.) or equivalent
- ECON-E 202 Introduction to Macroeconomics (3 cr.) or equivalent

American Government Foundations (3 cr.)

- POLS-Y 103 Introduction to American Politics (3 cr.)

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 Health Core (six courses)

- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-H 316 Environmental Health (3 cr.)
- SPEA-H 322 Principles of Epidemiology (3 cr.) or SPH-E 311 Introduction to Epidemiology (3 cr.)
- SPEA-H 342 Community Health Education (3 cr.) or SPH-B 403 Public Health Program Planning (3 cr.)
- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)

Experiential Learning Requirement

- SPEA-H 267 Career Development and Planning (2 cr.)
- SPEA-H 466 Public Health Field Experience (1 cr.)

Each B.S.P.H. student is required to complete an internship experience. Internships give students an excellent opportunity to apply classroom theory and techniques to real life experiences. Students should register for SPEA-H 267 the first semester they are accepted into the program.

In order for an internship to satisfy the experiential learning requirement (SPEA-H 466), students must:

- Be officially admitted to the School of Public and Environmental Affairs
- Earn a passing grade in SPEA-H 267
- Successfully complete a minimum of one class in their major/concentration with a passing grade
- Be in overall good academic standing
- Receive internship approval from the Career Development Office before beginning the internship experience

All students admitted to SPEA in the fall 2008 and thereafter who have completed either ASCS-Q 299 Job Search Strategies for Liberal Arts Students or ASCS-Q 294 Basic Career Development and ASCS-Q 275 Professional Portfolio Development with a grade of "S" (passing) prior to admission to SPEA are not required to complete SPEA-H 267 Career Development. These

students are still required to register for and complete an internship experience. Specific enrollment instructions and authorization will be provided to these students by SPEA Office of Career Development.

Healthcare Management and Policy Major

Requirements (12 courses)

The following seven courses:

- SPEA-H 341 Legal Aspects of Health Care Administration (3 cr.)
- SPEA-H 352 Healthcare Financial Management I (3 cr.)
- SPEA-H 353 Healthcare Financial Management II (3 cr.) (P: 352)
- SPEA-H 354 Health Economics (3 cr.)
- SPEA-H 365 Health Services Practicum (1 cr.)
- SPEA-H 374 Health Management Ethics (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)

Five of the following courses:

- SPEA-H 324 Health Policy (3 cr.)
- SPEA-H 401 Strategic Planning for Health Care Organizations (3 cr.)
- SPEA-H 402 Hospital Administration (3 cr.)
- SPEA-H 411 Chronic and Long-Term Care Administration (3 cr.)
- SPEA-H 432 Health Care Marketing (3 cr.)
- SPEA-H 455 Topics in Public Health (3 cr.) (may be repeated with different topics)
- SPEA-H 456 Health Care Reimbursement (3 cr.)
- SPEA-E 316 Insects and the Environment (3 cr.)
- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Bachelor of Science (B.S.) in Environmental Science

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 an integrated course of study in the applied natural and physical sciences. For students who enter Indiana University Bloomington in June 2011 or after, Common Ground is required. SPEA General Education is in effect for students who matriculated to Indiana University Bloomington prior to June 2011.

Common Ground

See <http://bulletins.iu.edu/iub/college/2016-2017/degree-requirements/index.shtml> for updated requirements and a complete list of course options. Please note the Mathematical Modeling and Natural and Mathematical

common ground requirements are satisfied by the Bachelor of Science in Environmental Science (BSES) major requirements.

Communication (9 cr.)

Professional Writing (One of the following courses)

- ENG-W 231 Professional Writing Skills (3 cr.) (P: English Composition)
- ENG-W 240 Community Service Writing (3 cr.) (P: English Composition)
- ENG-W 270 Argumentative Writing (3 cr.) (P: English Composition)

Oral Communication (One of the following courses)

- CMCL-C 121 Public Speaking (3 cr.) (ended after Fall 2013)
- COLL-P 155 Public Oral Communication (3 cr.)
- SPEA-V 260 Speaking, Listening and Public Affairs (3 cr.)

Intensive Writing (One course to satisfy the College of Arts and Sciences Intensive Writing requirement.

For a list of Intensive Writing courses, see the Special Course Listings on the Registrar's website at <http://registrar.indiana.edu/specialcourse.shtml>.

BSES Foundation Courses (Mathematics, Statistics, and Computation 12-16 cr.)

One of the following options:

- MATH-M 119 Brief Survey of Calculus I (3 cr.) (P: Two years high school algebra or MATH-M014) and MATH-M120 **and** MATH-M 120 Brief Survey of Calculus II (3 cr.) (P:MATH-M 119)
- MATH-M 211 Calculus I (4 cr.) (P: from high school: two years algebra, one year geometry, pre-calculus or equivalent, and trigonometry; **or** MATH-M 025 and MATH-M 026)

One of the following courses:

- MATH-K 310 Statistical Techniques (3 cr.) (P: MATH-M 119 or equivalent)
- SPEA-K 300 Statistical Techniques (3 cr.) (P: MATH-M 014 or equivalent, R: MATH-M 118)
- STAT-K 310 Statistical Techniques (3 cr.) (P: MATH-M 119 or equivalent)

One of the following courses:

- GEOG-G 250 Computing in the Geospatial Sciences (3 cr.) (P: One of MATH-M 118, M 119, M 211, or equivalent, or consent of instructor)
- SPEA-E 325 Computing for Environmental Scientists (3 cr.)

At least one of the following courses. (Students interested in physical sciences, such as hydrology or atmospheric modeling, should take both MATH-M 212 and MATH-M343)

- CSCI-A 321 Computing Tools for Scientific Research (4 cr.) (P: MATH-M 118 or higher, M 211 recommended)
- GEOG-G 488 Applied Spatial Statistics (3 cr.) (P: 6 cr. of Geography or consent of instructor)

- MATH-M 212 Calculus II (4 cr.) (P: MATH-M 211 or M 119 and X 201)
- MATH-M 343 Introduction to Differential Equations with Applications I (3 cr.) (P: MATH-M 212)
- MATH-M 365 Introduction to Probability and Statistics (3 cr.) (P: MATH-M 212)
- SPEA-E 426 Applied Math for Environmental Science (3 cr.) (P: Differential and integral calculus)

Chemistry (10-11 cr.)

The following three courses:

- CHEM-C 117 Principles of Chemistry and Biochemistry I (3 cr.) (P: CHEM-C 101 and C 121 or C 103 or chemistry and math placement exams and consent of the department)
- CHEM-C 127 Principles of Chemistry and Biochemistry I Laboratory (2 cr.) (P or C: CHEM-C 117)
- CHEM-C 341 Organic Chemistry I Lectures (3 cr.) (P: CHEM-C 117, S 117, C 106, or C 243) or CHEM-R 340 Survey of Organic Chemistry (3 cr.) (P: CHEM-C 117 or C 106 or permission of instructor)

One of the following courses:

- CHEM-A 314 Biological and Environmental Chemical Analysis (2 cr.) (P: CHEM-C 341, S 341, or R 340 and MATH-M 119 or M 211)
- CHEM-C 342 Organic Chemistry II Lectures (3 cr.) (P: CHEM-C 341 or S 341)
- SPEA-E 464 Organic Pollutants: Environmental Chemistry and Fate (3 cr.) (P: CHEM-C 341 or R 340)
- GEOL-G 444 Methods in Analytical Geochemistry (2 cr.)

Students considering a chemistry minor should take CHEM-C 341

Biology (6 cr.)

- BIOL-L 111 Foundations of Biology: Diversity, Evolution, and Ecology (3 cr.)
- BIOL-L 112 Foundations of Biology: Biological Mechanisms (3 cr.) (P: High school or college chemistry)

Physics (10 cr.)

One of the following options:

- PHYS-P 201 General Physics I (5 cr.) (P: MATH-M 026 or high school equivalent and PHYS-P 202 General Physics II (5 cr.) (P: PHYS-P 201 or high school equivalent)
- PHYS-P 221 Physics I (5 cr.) (C: MATH-M 211 or consent of the instructor) and PHYS-P 222 Physics II (5 cr.) (P: PHYS-P 221, C: MATH-M 212 or consent of the instructor)

Environmental Science (30 cr.)

One of the following courses:

- BIOL-L 222 The City as Ecosystem (3 cr.)
- GEOL-G 171 Environmental Geology (3 cr.)
- GEOG-G 107 Physical Systems of the Environment (3 cr.)

- GEOG-G 208 Human/Environment Interactions (3 cr.)
- SPEA-E 272 Introduction to Environmental Science (3 cr.)

Additional courses to total at least 27 credit hours. The complete course listing can be accessed here: <http://www.indiana.edu/~bses/curriculum/index.php>. Students are strongly encouraged to select courses in consultation with an academic advisor or environmental science faculty member.

BSES students are encouraged to pursue independent research; however, no more than 6 credits from this list may be used to satisfy the 27 credits of environmental science course work.

- BIOL-L 490 Individual Study (1-12 cr.) (P: Overall GPA 2.50 and written permission of faculty member supervising research)
- GEOG-G 450 Undergraduate Readings and Research in Geography (1-3 cr.) (P: consent of instructor)
- GEOG-G 410 Undergraduate Research in Geology (1-6 cr.) (P: junior standing and consent of advisor)
- SPEA-E 490 Directed Research in Environmental Science (1-4 cr.)
- Or other courses in environmental science approved by the BSES Program Chair

Field Experience (5-6 cr.)

Courses used to satisfy the Field Experience requirement cannot be used to satisfy any other degree requirement. Select one of the following options:

- GEOL-G 329 Introductory Field Experience in Environmental Science (5-6 cr.) (P: one course in environmental science and GEOL-G 225) (This is a summer course held at a Geological Field Station in Montana and is typically taken after the sophomore year)
- GEOL-G 433 Geology, Hydrology, and Geochemistry in the Rocky Mountains (6 cr.) (P: at least 22 credit hours of geology course work or consent of the instructor)
- Comparable coursework at an approved biological field station (Students interested in this option should consult the BSES Program Chair prior to attending the field station)

Two of the following courses:

- BIOL-L 465 Advanced Field Biology (3 cr.) (P: BIOL-L 473 or equivalent and consent of the instructor)
- SPEA-E 442 Habitat Analysis-Terrestrial (3 cr.)
- SPEA-E 443 Habitat Analysis-Aquatic (3 cr.)
- SPEA-E 400 Topics in Environmental Studies: Plants and Plant Communities (3 cr.)
- GEOG-G 350 Field Methods in Physical Geography (3 cr.) (P: one of GEOG-G 107, G 109, G 185, G 208; or consent of the instructor)

Electives

Additional courses to reach a total of 120 credit hours. Students are encouraged to pursue a minor, certificate, or second major in a biological, physical, or social science

field that complements the interdisciplinary training provided by the B.S. in Environmental Science.

Bachelor of Arts (B.A.) in Environmental and Sustainability Studies

Bachelor of Arts Major in Environmental and Sustainability Studies

The Bachelor of Arts Major in Environmental Sustainable Studies, which is offered jointly by the College of Arts and Sciences and the School of Public and Environmental Affairs, focuses on systems-level-interaction of the social and economic spheres with the natural environment.

See the College of Arts and Sciences bulletin for more information about the major and concentration areas: <http://bulletins.iu.edu/iub/college/2016-2017/departments/env-sus-studies/ess-major.shtml>.

Bachelor of Science (B.S.) in Arts Management

Bachelor of Science in Arts Management

The Bachelor of Science in Arts Management Degree requires 120 credit hours. The curriculum is divided into seven categories—Common Ground, SPEA Preparation, General Electives, Arts Core, Management Core, Arts Management Core, and Experiential Learning. For students who enter Indiana University Bloomington in June 2011 or after, Common Ground and SPEA Preparation are required. SPEA General Education is in effect for students who matriculated to Indiana University Bloomington prior to June 2011.

Common Ground

See <http://bulletins.iu.edu/iub/college/2016-2017/degree-requirements/index.shtml> for updated requirements and a complete list of course options.

SPEA Preparation (21 cr.)

Communications (6 cr.)

Professional Writing (One of the following courses)

- ENG-W 231 Professional Writing Skills (3 cr.)
- ENG-W 240 Community Service Writing (3 cr.)
- BUS-C 204 Business Communications (3 cr.)
- or SPEA equivalent

Oral Communication (One of the following courses)

- ANTH-A 122 Interpersonal Communication (3 cr.)
- ANTH-L 208 Ways of Speaking (3 cr.)
- BUS-C 104 Business Presentations (3 cr.)
- COLL-P 155 Public Oral Communications (3 cr.)
- ENG-R 228 Argumentation and Public Advocacy (3 cr.)
- THTR-T 120 Acting I (3 cr.)
- or SPEA equivalent

Quantitative Methods (12 cr.)

Computer Course (One of the following courses)

- SPEA-V 261 Computers in Public Affairs (3 cr.)
- BUS-K 201 The Computer in Business (2-3 cr.)

- CSCI-A 110 Introduction to Computers & Computing (3 cr.)
- CSCI-A 201 Introduction to Programming I (4 cr.)

Each of the following courses:

- SPEA-K 300 Statistical Techniques (3 cr.) or equivalent
- ECON-E 201 Introduction to Microeconomics (3 cr.) or equivalent
- ECON-E 202 Introduction to Macroeconomics (3 cr.) or equivalent

American Government Foundations (3 cr.)

- POLS-Y 103 Introduction to American Politics (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.

Suggested courses include:

- AMID-F 402 Collection Management for Historic Textiles and Costume
- AMID-F 403 Practicum on Collection Management
- ANTH-A 403 Introduction to Museum Studies
- ANTH-P 401 Cultural Resource Management
- BUS-L 250 Law and the Arts
- BUS-L 315 Law of Entertainment
- FINA-U 400 Sources and Resources: Professional Skills in Fine Arts
- THTR-T 428 Production and Event Management

Arts Core Requirement (Eight courses for a minimum of 24 credit hours)

Students are to select an area of arts specialization consisting of a minimum of 12 credit hours in one arts specialty. The remaining credit hours can be applied to any arts areas of the students' choosing. Suggested areas of specialization include: Anthropology, Art History, Dance, Ethnomusicology, Folklore, Music, Studio Fine Art, and Theater. Other proposed areas of arts interest will be considered by the faculty. At least 12 credit hours of the 24 Arts Core required credits must be in advanced level work (300 level or higher).

Management Core (Three courses for a minimum of 9 credit hours)

The following course:

- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

One of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)

One of the following courses:

- SPEA-V 220 Law and Public Affairs (3 cr.)
- BUS-L 201 Legal Environment of Business (3 cr.)

Arts Management Core (Nine courses for a minimum of 27 credit hours)

The following courses:

- SPEA-A 163 Art Worlds: Management, Markets, and Policy (3 cr.)
- SPEA-A 354 Arts Marketing Fundamentals (3 cr.)

Seven courses from the following:

- SPEA-A 236 Music Industry I (3 cr.)
- SPEA-A 241 Inside Community Arts Organizations (3 cr.)
- SPEA-A 336 Music Industry II (3 cr.)(P: SPEA-A 236)
- SPEA-A 405 Programming in the Performing Arts (3 cr.)
- SPEA-A 410 Artists, Galleries and Collectors (1.5 cr.)
- SPEA-A 412 Creative Thinking Strategies for Arts Management (1.5 cr.)
- SPEA-A 426 Art and Social Change (3 cr.)
- SPEA-A 439 Fund Development for the Arts (3 cr.)
- SPEA-A 450 Contemporary Topics in Arts Administration (3 cr.) (Approved topics only, may be repeated with a different topics)
- SPEA-A 459 Public Policy and the Arts (3 cr.)
- SPEA-A 464 The Economics and Administration of Arts Organizations (3 cr.)
- SPEA-A 482 Overseas Topics in Arts Management (0-15 cr.) (Approved topics only, may be repeated with a different topics)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.)(P: SPEA-V 236)
- SPEA-V 361 Financial Management (3 cr.)(P: SPEA-V 246 **or** BUS-A 201)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 377 Legal Process and Contemporary Issues in America (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 438 Mass Media and Public Affairs (3 cr.)
- SPEA-V 458 Fund Development (3 cr.)
- SPEA-V 473 Management, Leadership, and Policy (3 cr.)
- SPEA-V 476 Compensation Strategy and Systems (3 cr.)
- SPEA-V 477 Strategic Human Resource Management (3 cr.)(P: SPEA-V 373)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.)(P: SPEA-V 220)
- SPEA-V 479 Employee Recruitment and Selection (3 cr.)(P: SPEA-V 373)
- AADM-Y 412 Opera Management (3 cr.)

Experiential Requirement

- SPEA-V 252 Career Development and Planning (2 cr.)
- SPEA-V 381 Professional Experience (1 cr.)

Each student is required to complete an internship experience. Internships give students an excellent

opportunity to apply classroom theory and techniques to real-life experiences. Students should register for SPEA-V 252 the first semester they are accepted into the program.

In order for an internship to satisfy the experiential learning requirement (V 381), students must:

- Be officially admitted to the School of Public and Environmental Affairs. Earn a passing grade in V252
- Successfully complete a minimum of one class in their major/concentration with a passing grade
- Be in overall good academic standing
- Receive internship approval from the Career Development Office before beginning the internship experience

All student admitted to SPEA in the fall of 2008 and thereafter who have completed either ASCS-Q 299 Job Search Strategies for Liberal Arts Students or ASCS-Q 294 Basic Career Development **and** ASCS-Q 275 Professional Portfolio Development with a grade of "S" (passing) **prior** to admission to SPEA are not required to complete SPEA-V 252 Career Development. These students are still required to register for and complete an internship experience.

Minimum Hours and Grade Point Averages

The B.S. in Arts Management Degree requires a minimum of 120 hours. Each student must maintain a 2.7 (B –) overall grade point average in the core and major requirements as well as a 2.3 (C+) cumulative grade point average in all course work taken at Indiana University in order to graduate.

Minors

Any Indiana University student enrolled in a bachelor's 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 should check with their degree-granting unit to make sure they are eligible for the SPEA minor of their choice. SPEA's multidisciplinary faculty and curricula 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 2.0 grade point average, and none of the courses may be taken by correspondence. The Educational Policy minor requires students to have both a C or better in required courses and a 2.0 overall for the program. Admitted SPEA students earning a SPEA minor may double count up to six (6) credit hours of minor courses with any other SPEA academic program. Each SPEA minor must have at least nine (9) credit hours that do not count toward any other SPEA academic program. Non-SPEA Majors cannot double count courses with any SPEA academic program.

The following minor areas are available on the Bloomington campus:

Arts Management
Education Policy

Environmental and Sustainability Studies
 Environmental Management
 Environmental Science
 Environmental Science and Health
 Healthcare Management and Policy
 Human Resource Management
 Information Systems
 Law and Public Policy
 Nonprofit Management
 Policy Studies
 Public and Environmental Affairs
 Public Finance
 Public Management
 Urban Planning and Community Development

Arts Management Minor

Requirements

The following two courses:

- SPEA-A 354 Arts Marketing (3 cr.)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

Nine credits of the following, including at least six credits from List A.

List A:

- SPEA-A 163 Arts Worlds: Management, Markets, and Policy (3 cr.)
- SPEA-A 236 Music Industry I (3 cr.)
- SPEA-A 241 Inside Community Arts Organizations (3 cr.)
- SPEA-A 336 Music Industry II (3 cr.)
- SPEA-A 405 Programming in the Performing Arts (3 cr.)
- SPEA-A 410 Artists, Galleries, and Collectors (1.5 cr.)
- SPEA-A 412 Creative Thinking Strategies for Arts Management (1.5 cr.)
- SPEA-A 426 Art and Social Change (3 cr.)
- SPEA-A 439 Fund Development for the Arts (3 cr.)
- SPEA-A 450 Contemporary Topics in Arts Administration (1.5 - 3 cr.) (may be repeated with approval by a SPEA advisor)
- SPEA-A 459 Public Policy and the Arts (3 cr.)
- SPEA-A 464 The Economics and Administration of Arts Organizations (3 cr.)
- SPEA-V 236 Management Applications and Concepts I in Public and Private Organizations (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 377 Legal Process and Contemporary Issues in America (3 cr.)
- SPEA-V 438 Mass Media and Public Affairs (3 cr.)
- SPEA-V 458 Fund Development (3 cr.)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)
- AADM-Y 412 Opera Management (3 cr.)

List B:

- MSCH-R 321 Principles of Public Relations (3 cr.)
- MSCH-R 431 Public Relations for Nonprofits (3 cr.)

- MSCH-J 460 Topics Colloquium: Reporting the Arts (3 cr.) (this topic only)
- FOLK-F 364 Children's Folklore (3 cr.)
- FOLK-F 402 Traditional Arts Indiana (3 cr.)
- MUS-U 300 Introduction to Music Entrepreneurship (3 cr.)
- MUS-U 314 Arts Education and Outreach (0-3 cr.)
- MUS-U 340 Practicum in Music Entrepreneurship (3 cr.)
- MUS-U 413/Z 313 Legal Aspects of the Music Industry (3 cr.)
- MSCH-C 207 Introduction to Media Industry and Management (3 cr.)
- MSCH-M 330 Production Management (3 cr.)
- MSCH-A 347 Media Promotion and Marketing in Telecommunications (3 cr.)

Education Policy Minor

Jointly Administered by the School of Education and School of Public and Environmental Affairs.

Requirements At least 9 credits must be at the 300 or above level. A grade of C or better is required in each course and a 2.0 GPA overall for the minor.

Take the following two courses:

- EDUC-A 308 Legal Issues for Secondary Teachers (3 cr.)
- EDUC-H 200 Introduction to Education Policy (3 cr.)

Take one of the following courses:

- EDUC-H 205 Introduction to Educational Thought (3 cr.)
- EDUC-H 340 Education and American Culture (3 cr.)
- LATS-L 380 Latino Education Across the Americas (3 cr.)
- SOC-S 312 Education and Society (3 cr.)
- SOC-S 409 Social Content of Schooling (3 cr.)

Take one of the following courses:

- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 263 Public Management (3 cr.)
- SPEA-V 336 Managing Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236) or SPEA-V 366 Managing Behavior in Public Organizations (3 cr.)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)
- SPEA-V 473 Management, Leadership, and Policy (3 cr.)

Take one of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 348 Management Science (3 cr.) (P: SPEA-K 300, MATH-M 025, MATH-M 118)

- SPEA-V 361 Financial Management (P: V246) (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.) (P: SPEA-K 300 or equivalent)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 401 Finance and Cost Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 449 Senior Policy Seminar (3 cr.)
- Or other courses approved by the minor oversight committee

Environmental and Sustainability Studies Minor

Requirements

Students must complete at least 18 credit hours in Environmental and Sustainability Studies course work, including the following:

One introductory sustainability course (3 cr.) chosen from List A.

An upper-level Human-Environment Systems course chosen from List B.

A minimum of twelve credit hours in one concentration. Concentration Areas are:

- Sustainable Food Systems
- Sustainable Energy and Resources
- Environmental Ethics and Justice
- Biodiversity and Sustainability
- Sustainability Individualized Program

At least 9 credit hours in the minor must be completed at the 300 or 400 level.

At least 9 credit hours must be completed on the Bloomington campus.

One course that is required for the minor (with the exception of the Introductory Sustainability course) may count toward two degree or minor requirements.

Note: Students pursuing the Bachelor of Science in Environmental Science are not eligible to earn the minor. For detailed explanation of minor requirements, including courses on Lists A and B and concentration areas, see College of Arts and Sciences bulletin <http://bulletins.iu.edu/iub/college/2016-2017/departments/env-sus-studies/index.shtml>. Lead advisor for minor is Rebecca Butorac (rbutorac@indiana.edu).

Environmental Management Minor

Requirements (Five courses)

The following courses:

- SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
- SPEA-E 363 Environmental Management (3 cr.)

One of the following courses:

- SPEA-E 311 Introduction to Risk Assessment and Risk Communication (3 cr.)
- SPEA-E 340 Environmental Economics and Finance (3 cr.)
- SPEA-E 465 Environmental Management in the Tropics (3 cr.)

- SPEA-E 466 International and Comparative Environmental Policy (3 cr.)
- SPEA-E 476 Environmental Law and Regulation (3 cr.)

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

- SPEA-E 325 Computing for Environmental Scientists (2 cr.)
- SPEA-E 355 Introduction to Limnology (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
- SPEA-E 411 Introduction to Groundwater Hydrology (3 cr.)
- SPEA-E 412 Risk Communication (3 cr.)
- SPEA-E 419 Applied Remote Sensing of the Environment (3 cr.)
- SPEA-E 422 Urban Forest Management (3 cr.)
- SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA-E 440 Wetlands: Biology and Regulation (3 cr.)
- SPEA-E 451 Air Pollution and Control (3 cr.)
- SPEA-E 452 Solid and Hazardous Waste Management (3 cr.)
- SPEA-E 456 Lake and Watershed Management (3 cr.)
- SPEA-E 457 Introduction to Conservation Biology (3 cr.)
- SPEA-E 460 Fisheries and Wildlife Management (3 cr.)
- SPEA-E 461 Fisheries and Wildlife Management Laboratory (3 cr.)
- SPEA-E 375 Techniques of Environmental Science (3 cr.)
- SPEA-H 316 Environmental Health (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Environmental Science Minor

Requirements

Joint minor with SPEA and College of Arts and Sciences. All courses must have minimum grade of a C-. It is recommended that students have taken MATH-M 119 or higher and CHEM-C 117 or higher **or** equivalents.

One of the following courses:

- GEOG-G 208 Environment and Society (3 cr.)
- SPEA-E 272 Introduction to Environmental Science (3 cr.)

Four additional courses; at least three must be at the 300-400 level.

- See BSES website for current list of approved courses, <http://www.indiana.edu/~bses/curriculum/>

[index/php](#). Only courses in section III Environmental Science Courses are approved for the minor. Selection of these courses should be done in consultation with the environmental science faculty or BSES director.

- Or other courses approved by the BSES program director.

Environmental Science and Health Minor

Requirements (Five courses)

The following two courses:

- SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
- SPEA-H 316 Environmental Health Science (3 cr.)

Three of the following courses:

- SPEA-E 311 Introduction to Risk Assessment and Risk Communication (3 cr.)
- SPEA-E 316 Insects and the Environment (3 cr.)
- SPEA-E 324 Controversies in Environmental Health (3 cr.)
- SPEA-E 375 Techniques of Environmental Science (3 cr.)
- SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
- SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA-E 451 Air Pollution and Control (3 cr.)
- SPEA-E 452 Solid and Hazardous Waste Management (3 cr.)
- SPEA-E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)
- Or other courses in environmental science and health approved by a SPEA advisor.

Healthcare Management and Policy Minor

Requirements (Five courses)

The following courses:

- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)

Three of the following courses:

- SPEA-H 352 Healthcare Financial Management I (3 cr.)
- SPEA-H 353 Healthcare Financial Management II (3 cr.) (P: SPEA-H 352)
- SPEA-H 354 Health Economics (3 cr.)
- SPEA-H 401 Strategic Planning for Health Care Organizations (3 cr.)
- SPEA-H 402 Hospital Administration (3 cr.)
- SPEA-H 411 Long-Term Care Administration (3 cr.)
- SPEA-H 432 Health Care Marketing (3 cr.)
- SPEA-H 455 Topics in Public Health (3 cr.) (may be repeated with a different topics)
- SPEA-H 456 Health Care Reimbursement (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)

- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Human Resource Management Minor

Requirements (Five courses)

Each of the following courses:

- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 477 Strategic Human Resource Management (3 cr.) (P: SPEA-V 373)

One of the following courses:

- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 463 Interpersonal Relations in the Workplace (1-4 cr.)
- SPEA-V 476 Compensation Strategy and Systems (3 cr.) (P: SPEA-V 373)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.) (P: SPEA-V 220)
- SPEA-V 479 Employee Recruitment and Selection in the Public Sector (3 cr.) (P: SPEA-V 373)

Information Systems Minor

Requirements (Five courses)

The following courses:

- SPEA-V 261 Computers in Public Affairs (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 475 Database Management Systems (3 cr.)

Two of the following courses:

- SPEA-E 325 Computing for Environmental Scientists (2 cr.)
- SPEA-E 418 Vector-Based Geographic Information Systems (3 cr.)
- SPEA-E 419 Applied Remote Sensing of the Environment (3 cr.)
- SPEA-V 348 Management Science (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 461 Computer Applications in Public Affairs (3 cr.)
- SPEA-V 465 Geographic Information Systems for Public and Environmental Affairs (3 cr.)
- SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

- or other courses in information systems approved by a SPEA faculty advisor.

Law and Public Policy Minor

Requirements (Five courses)

Take the following two courses:

- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 339 Legal History and Public Policy (3 cr.) (P: SPEA-V 220)

Take three of the following courses:

- SPEA-E 476 Environmental Law and Regulation (3 cr.)
- SPEA-H 341 Legal Aspects of Health Care Administration (3 cr.)
- SPEA-V 377 Legal Processes and Contemporary Issues in America (3 cr.)
- SPEA-V 405 Public Law and the Legislative Process (3 cr.)
- SPEA-V 406 Public Law and the Electoral Process (3 cr.)
- SPEA-V 407 Public Law and Government Relations (3 cr.)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 456 Topics in Public Law (3 cr.)
- SPEA-V 478 Employment Law for Human Resource Management (3 cr.) (P: SPEA-V 220)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Nonprofit Management Minor

Requirements (Five courses)

One of the following courses:

- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)

The following course:

- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

Three of the following courses:

- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.)
- SPEA-V 263 Public Management (3 cr.)
- SPEA-V 340 Urban Government Administration (3 cr.)
- SPEA-V 356 Introduction to Nonprofit Accounting and Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 436 Communication in Government and Nonprofit Organizations (3 cr.)
- SPEA-V 441 Topics in Financial Management and Policy (3 cr.) (Approved topics only, may be repeated with different topics)

- SPEA-V 442 Topics in Budgeting or Cost Benefit (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 458 Fund Development for Nonprofits (3 cr.)
- SPEA-V 462 Community Development (3 cr.)
- SPEA-V 463 Interpersonal Relations in the Workplace (1-4 cr.)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Policy Studies Minor

Requirements (Five courses)

One of the following courses:

- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)

Four of the following courses:

- SPEA-V 348 Management Science (3 cr.) (P: SPEA-K 300, MATH-M 025 or MATH-M 118)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.) (P: SPEA-K 300 or equivalent)
- SPEA-V 386 Case Studies for Policy Analysis (3 cr.)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- SPEA-V 449 Senior Policy Seminar (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Public and Environmental Affairs Minor

Requirements (Five courses)

One of the following courses:

- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)

One of the following courses:

- SPEA-E 162 Environment and People (3 cr.)
- SPEA-E 272 Introduction to Environmental Sciences (3 cr.)

Three of the following courses:

- SPEA-E 272 Introduction to Environmental Sciences (3 cr.) *If not used above*
- SPEA-E 400 Topics in Environmental Studies (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 263 Public Management (3 cr.)

- SPEA-V 336 Management Concepts & Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 444 Public Administrative Organization (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Public Finance Minor

Requirements (Five courses)

The five following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 346 Introduction to Government Accounting and Financial Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- One more approved course in consultation with a SPEA advisor, including courses such as SPEA-V 441, V 442, V 450, and V 482 (Approved topics only, may be repeated with different topics)

Public Management Minor

Requirements (Five courses)

One of the following courses:

- SPEA-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)

The following course:

- SPEA-V 263 Public Management (3 cr.)

Three of the following courses:

- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 340 Urban Government Administration (3 cr.)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)
- SPEA-V 368 Managing Government Operations (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)

- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 cr.)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 443 Managing Workforce Diversity (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 463 Interpersonal Relations in the Workplace (1-4 cr.)
- SPEA-V 465 Geographic Information Systems for Public and Environmental Affairs (3 cr.)
- SPEA-V 475 Database Management Systems (3 cr.)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Urban Planning and Community Development Minor

Requirements (Five courses)

Each of the following courses:

- SPEA-V 161 Urban Problems and Solutions (3 cr.)
- SPEA-V 365 Urban Development and Planning (3 cr.)

Three of the following courses, at least one must be outside of SPEA:

- GEOG-G 314 Urban Geography (3 cr.)
- GEOG-G 316 Economic Geography (3 cr.)
- GEOG-G 415 Advanced Urban Geography (3 cr.)
- HIST-A 300 Issues in United States History (3 cr.)
- HIST-A 347 American Urban History (3 cr.)
- HIST-W 125 Cities in History (3 cr.)
- POLS-Y 103 Introduction to American Politics (3 cr.)
- POLS-Y 306 States Politics in the United States (3 cr.)
- POLS-Y 308 Urban Politics (3 cr.)
- SOC-S 215 Social Change (3 cr.)
- SOC-S 309 The Community (3 cr.)
- SOC-S 339 Sociology of Media (3 cr.)
- SPEA-V 226 Managing Emergency Services (3 cr.)
- SPEA-V 275 Introduction to Emergency Management (3 cr.)
- SPEA-V 340 Urban Government Administration (3 cr.)
- SPEA-V 412 Leadership and Ethics (3 cr.)
- SPEA-V 421 Metropolitan Development (3 cr.)
- SPEA-V 422 Transportation Policy Analysis (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (1-3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 462 Community Development (3 cr.)
- SPEA-A/E/V 482 Overseas Topics in Public Affairs (0-15 cr.) (Approved topics only, may be repeated with different topics)

Certificate Programs

The areas of study in which certificate programs are currently available are: arts administration, environmental studies, nonprofit management, public affairs, public

health, public management, and urban studies. The number of credits required for each certificate varies.

Applied Research and Inquiry
 Arts Administration
 Environmental Studies
 Healthcare Management and Policy
 Nonprofit Management
 Public Affairs
 Public Management
 Urban Studies
 Nonprofit Leadership Alliance

General Requirements

1. Students in good academic standing and enrolled in bachelor's programs at Indiana University are eligible to apply for a certificate at the SPEA Undergraduate Program and Academic Advising Office (SPEA 240). Interested students must apply for a certificate before completing 15 credit hours of applicable course work.
2. Admitted SPEA students earning a SPEA certificate may double count up to six (6) credit hours of certificate requirements with any other SPEA academic program. The remaining SPEA certificate credit hours cannot be applied toward any other SPEA academic program. Non-SPEA majors cannot double count courses with any SPEA academic program.
3. SPEA students cannot earn a certificate in the same area as their major.
4. A grade point average of 2.0 or higher is required in all course work credited toward the certificate.

Certificate in Applied Research and Inquiry

The Certificate in Applied Research and Inquiry introduces students to traditions of social inquiry. Students will explore the relationship between knowledge and action, between critical thinking and social engagement. They will examine the concepts, connections and tensions between competing policy choices and gain an understanding of the contradictions inherent in notions of justice, citizenship and equality. One of the premises underlying this year-long sequence is that studying important texts from a wide range of fields will help prepare students to engage, during their junior and senior years, in researching pressing contemporary problems and questions.

Students applying for the Certificate in Applied Research and Inquiry must have completed 26 undergraduate credit hours. Students will be expected to write a short essay in which they explain why they want to pursue this Certificate and how it might help them to achieve their academic and professional goals. To be eligible to pursue the Certificate, students will need either to (1) have achieved a cumulative GPA of 3.500 or above or (2) receive special permission from the Director of the Certificate. Students who do not meet the GPA threshold will be required to submit with their application a letter of recommendation from an IU faculty member. Once students have been chosen to participate in the Certificate, they must either (1) maintain a major and cumulative GPA of 3.500 or above and maintain a GPA of 3.500 in courses that count toward the Certificate or (2) receive special permission from the Director of the Certificate.

Certificate Requirements

(18 credit hours)

Traditions of Inquiry Requirement - choose two of the following courses:

- POLS-Y 379 Ethics and Public Policy (3 cr.)
- POLS-Y 382 Modern Political Thought (3 cr.)
- POLS-Y 384 Developments in American Political Thought (3 cr.)
- SOC-S 210 The Economy, Organization, and Work (3 cr.)
- SOC-S 312 Education and Society (3 cr.)
- SOC-S 326 Law and Society (3 cr.)
- SOC-S 335 Race and Ethnic Relations (3 cr.)
- SOC-S 338 Gender Roles (3 cr.)
- SOC-S 340 Social Theory (3 cr.)
- SOC-S 346 Topics in Cross-Cultural Sociology (3 cr.)
- SOC-S 360 Topics in Social Policy (3 cr.)
- SOC-S 365 Social Foundations of Behavior: Applications for Health Settings (3 cr.)
- SOC-S 410 Topics in Social Organization (3 cr.)
- SOC-S 431 Topics in Social Psychology (3 cr.)
- SPEA-V 450 Traditions of Inquiry: International Relations Theory and Policy Choices (3 cr.)
- SPEA-V 450 Traditions of Inquiry: What is Public Policy for (3 cr.)

Note: When appropriate, additional sections of SPEA V450 Contemporary Issues in Public Affairs may count toward the Traditions of Inquiry requirement. (3 cr.)

Research and Design Requirements - choose one of the following courses:

- SOC-S 370 Research Methods in Sociology (3 cr.) **and** SOC-S 371 Social Statistics (3 cr.)
- SPEA-V 450 Research Design for Applied Research (3 cr.)

Research Methods Requirements - Choose one of the following courses:

- POLS-Y 395 Quantitative Political Analysis (3 cr.)
- POLS-Y 405 Models and Theories of Political Decision Making (3 cr.) (P: POLS-Y 200 or higher level)
- SOC-S 371 Social Statistics (3 cr.)
- SPEA-V 370 Research Methods and Statistical Modeling (3 cr.)
- SPEA-V 379 Performance Measurement and Program Evaluation (3 cr.)
- SPEA-V 386 Case Studies for Policy Analysis (3 cr.)
- SPEA-V 450 Research Methods for Applied Research (3 cr.)

Thesis Colloquium Requirement - Choose one of the following courses:

- POLS-Y 499 Senior Thesis (3 cr.) (available only to Political Science majors)
- SOC-S 498 Honors Thesis Seminar I (3 cr.) **and** SOC-S 499 Honors Thesis Seminar II (3 cr.) (P: SOC-S 370 and SOC-S 498)
- SPEA-V 450 Thesis Colloquium for Applied Research (3 cr.)

Internship and Study Abroad Requirement - Choose one of the following courses:

- SPEA-V 380 Internship in Public and Environmental Affairs (0-6 cr.)
- SPEA-V 381 Professional Experience (1-6 cr.)
- SPEA-V 482 Overseas Topics in Public Affairs (0-12 cr.)

Certificate in Arts Administration

The School of Public and Environmental Affairs offers the Certificate in Arts Administration to provide undergraduate students in the College of Arts and Sciences and the Jacobs School of Music a coordinated set of course work and experiences in Arts Administration to complement their primary interest in the performing or visual arts. The course work for the Certificate in Arts Administration expands students' management skills and opportunities for employment while enhancing their applied experiences in the arts.

Students applying for the Certificate in Arts Administration must have completed at least 24 undergraduate credits at Indiana University and compiled a cumulative grade point average of 2.7 or higher. Certificate students are expected to have a solid background in either the performing or visual arts.

Certificate Requirements

(21 credit hours)

The following three courses:

- SPEA-A 354 Arts Marketing Fundamentals (3 cr.)
- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

Select one of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- BUS-L 201 Legal Environment of Business (3 cr.)
- BUS-L 250 Law and the Arts (3 cr.)

9 credit hours of the following courses:

- SPEA-A 163 Art Worlds: Management, Markets, and Policy (3 cr.)
- SPEA-A 236 Music Industry I (3 cr.)
- SPEA-A 241 Inside Community Arts Organizations
- SPEA-A 336 Music Industry II (3 cr.) (P:SPEA-A 236)
- SPEA-A 405 Programming in the Performing Arts (3 cr.)
- SPEA-A 410 Artists, Galleries, and Collectors (1.5 cr.)
- SPEA-A 412 Creative Thinking Strategies for Arts Management (1.5 cr.)
- SPEA-A 426 Art and Social Change (3 cr.)
- SPEA-A 439 Fund Development for the Arts (3 cr.)
- SPEA-A 450 Contemporary Topics in Arts Administration (1-3 cr.) (Approved topics only, may be repeated with different topics)

- SPEA-A 459 Public Policy and the Arts (3 cr.)
- SPEA-A 464 The Economics and Administration of Arts Organizations (3 cr.)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 380 Internship in Public and Environmental Affairs (1-3 cr.)
- SPEA-V 438 Mass Media and Public Affairs (3 cr.)
- SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.)
- AADM-Y 412 Opera Management (3 cr.)
- AMID-F 402 Collection Management for Historic Textiles and Costumes (3 cr.)
- AMID-F 403 Practicum on Collection Management (3 cr.)
- ANTH-A 403 Introduction to Museum Studies (3 cr.)
- ANTH-A 401 Cultural Resource Management (3 cr.)
- BUS-L 315 The Business and Law of Entertainment and Sports (3 cr.)
- FINA-U 400 Sources and Resources: Professional Skills in Fine Arts (3 cr.)
- THTR-T 428 Production and Events Management (3 cr.)

Certificate in Environmental Studies

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

Certificate Requirements

(Nine courses)

One course in chemistry or physics.

One of the following courses:

- GEOG-G 107 Physical Systems of the Environment (3 cr.)
- GEOL-G 103 Earth Science: Materials and Processes (3 cr.)
- GEOL-G 111 Physical Geology (3 cr.)

The following courses:

- BIOL-L 350 Environmental Biology (3 cr.)
- ECON-E 201 Introduction to Microeconomics (3 cr.)
- ECON-E 202 Introduction to Macroeconomics (3cr.)
- SPEA-E 363 Environmental Management (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topics only, may be repeated with different topics)

Two additional courses selected from the following:

- SPEA-E 272 Introduction to Environmental Sciences (3 cr.)
- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-E 455 Limnology (4 cr.)
- SPEA-H 316 Environmental Health (3 cr.)
- ANTH-E 427 Cultural Ecology (3 cr.)
- BIOL-L 473 Ecology (3 cr.)

- CHEM-C 101 Elementary Chemistry I (3 cr.)
or CHEM-C 117 Principles of Chemistry and Biochemistry I (5 cr.)
- CHEM-C 341 Organic Chemistry Lectures I (3 cr.)
- ECON-E 308 Survey of Public Finance (3 cr.)
- ECON-E 385 Economics of Industry (3 cr.)
- GEOG-G 235 Introductory Geographical Methods (3 cr.)
- GEOG-G 304 Physical Meteorology and Climatology (3 cr.)
- GEOG-G 315 Environmental Conservation (3 cr.)
- GEOG-G 320 Population Geography (3 cr.)
- GEOG-G 350 Instrumentation and Field Methods in Atmospheric Science (3 cr.)
- GEOG-G 405 Hydroclimatology (3 cr.)
- GEOG-G 407 Climate Dynamics (3 cr.)
- GEOL-G 300 Environmental and Urban Geology (3 cr.)
- GEOL-G 316 Mineral Fuels and Materials (3 cr.)
- GEOL-G 406 Introduction to Geochemistry (3 cr.)
- GEOL-G 415 Geomorphology (3 cr.)
- GEOL-G 451 Principles of Hydrogeology (3 cr.)
- HPER-R 372 Interpretive Resources and Techniques (3 cr.)
- SPEA/CJUS/MATH/PSY-K 300 Statistical Techniques (3 cr.) or MATH/PSY-K 310 Statistical Techniques (3 cr.)
- PHYS-P 201 General Physics I (5 cr.)
- PHYS-P 120 Energy and Technology (3 cr.)
- PHYS-P 310 Environmental Physics (3 cr.)
- SOC-S 305 Population (3 cr.)

Certificate in Nonprofit Management

The nonprofit sector is a dynamic and rapidly expanding area. The Certificate in Nonprofit Management allows students to take part in coursework specifically concerned with the nonprofit sector and geared toward preparing them for careers in nonprofit organizations. The certificate is designed so that students who complete the Nonprofit Leadership Alliance program will also meet the requirements for the Certificate in Nonprofit Management.

Certificate Requirements

(Five courses)

This certificate has a requirement of 15 credit hours and must be selected from the following categories. Courses listed with an asterisk (*) are included in the Nonprofit Leadership Alliance program. Alternate courses may be substituted with the approval of a SPEA advisor.

Nonprofit Institutions (Minimum of 3 credit hours)

- *SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.)

Nonprofit Management (Minimum of 6 credit hours)

The following course:

- *SPEA-V 362 Nonprofit Management and Leadership (3 cr.)

One of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.)

- *SPEA-V 356 Introduction to Nonprofit Accounting and Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) (P: SPEA-V 361)
- *SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.)

Nonprofit Field (Minimum of 3 credit hours)

Select one course from a special feature of a nonprofit field, service area, or industry. Examples include:

Community Development

- SPEA-V 340 Urban Government Administration (3 cr.)
- SPEA-V 462 Community Development (3 cr.)

Environment

- SPEA-E 162 Environment and People (3 cr.)
- SPEA-E 363 Environmental Management (3 cr.)

Health

- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-H 316 Environmental Health (3 cr.)

Human Services

- *EDUC-P 314 Life Span Development (3 cr.)
- SPH-F 150 Introduction to Life Span Development (3 cr.)
- POLS-Y 326 American Social Welfare Policy (3 cr.)
- PSY-P 315 Developmental Psychology (3 cr.)
- SWK-S 352 Social Welfare Delivery Systems (3 cr.)

Internship (Minimum of 3 credit hours)

- *SPEA-V 380 Internship in Public and Environmental Affairs (1-6 cr.) *For non-SPEA students* or *SPEA-V 381 Professional Experience (1-6 cr.) *For SPEA students only.*

Note: Students must intern with a nonprofit organization.

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-V 160 National and International Policy (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)

One of the following courses:

- SPEA-E 162 Environment and People (3 cr.)
- SPEA-E 272 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-Z 302 Managing and Behavior in Organizations (3 cr.)

B. Public Administration

- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)

C. Law

- SPEA-V 220 Law and Public Affairs (3 cr.)
- BUS-L 201 Legal Environment of Business (3 cr.)
- CJUS-P 370 Legal Aspects of Criminal Justice Systems I (3 cr.)
- POLS-Y 304 American Constitutional Law I (3 cr.)
- POLS-Y 305 American Constitutional Law II (3 cr.)

Choose any four of the following courses:

Public Affairs

- SPEA-V 260 Topics in Public Affairs (3 cr.) (Approved topics only)
- SPEA-V 346 Introduction to Government Accounting and Financial Reporting (3 cr.) (P: SPEA-V 246)
- SPEA-V 348 Management Science (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 441 Topics in Financial Management and Policy (3 cr.) (may be repeated with different topics)
- SPEA-V 442 Topics in Budgeting or Cost/Benefit (3 cr.) (may be repeated with different topics)
- SPEA-V 444 Public Administrative Organization (3 cr.)
- SPEA-V 449 Senior Policy Seminar (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 378 Policy Processes in the United States (3 cr.)

Criminal Justice

- CJUS-P 100 Introduction to Criminal Justice (3 cr.)
- CJUS-P 381 History of Social Control in the U.S. (3 cr.)

Geography

- GEOG-G 412 Urban Transportation Analysis (3 cr.)
- GEOG-G 414 Regional Transport Systems (3 cr.)
- GEOG-G 415 Advanced Urban Geography (3 cr.)

Political Science

- POLS-Y 200 Contemporary Political Topics (3 cr.)
- POLS-Y 302 Public Bureaucracy in Modern Society (3 cr.)
- POLS-Y 306 State Politics in the United States (3cr.)

- POLS-Y 394 Public Policy Analysis (3 cr.)

Sociology

- SOC-S 320 Deviant Behavior and Social Control (3 cr.)
- SOC-S 325 Criminology (3 cr.)
- SOC-S 326 Law and Society (3 cr.)
- SOC-S 361 Cities and Suburbs (3 cr.)

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-H 124 Overview of the U.S. Healthcare System (3 cr.)
- SPEA-H 316 Environmental Health (3 cr.)
- SPH-E 311 Introduction to Epidemiology (3 cr.) **or** SPEA-H 322 Principles of Epidemiology (3 cr.)

Three of the following courses:

- SPEA-E 400 Topics in Environmental Studies (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-E 410 Introduction to Environmental Toxicology (3 cr.)
- SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.)
- SPEA-E 451 Air Pollution and Control (3 cr.)
- SPEA-E 452 Solid and Hazardous Waste Management (3 cr.)
- SPEA-H 341 Legal Aspects of Health Care Administration (3 cr.)
- SPEA-H 401 Strategic Planning for Health Care Organizations (3 cr.)
- SPEA-H 402 Hospital Administration (3 cr.)
- SPEA-H 411 Long-Term Care Administration (3 cr.)
- SPEA-H 432 Health Care Marketing (3 cr.)
- SPEA-H 455 Topics in Public Health (3 cr.) (may be repeated with different topics)
- SPEA-H 456 Health Care Reimbursement (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (approved topics) (3 cr.) (Approved topics only, may be repeated with different topics)
- SPH-B 403 Public Health Program Planning (3 cr.) **or** SPEA-H 342 Community Health Education (3 cr.)

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-V 160 National and International Policy (3 cr.)

- POLS-Y 103 Introduction to American Politics (3 cr.)

The following course:

- SPEA-V 263 Public Management (3 cr.)

Four of the following courses:

- SPEA-V 220 Law and Public Affairs (3 cr.)
- SPEA-V 236 Management Concepts and Applications I in Public and Private Organizations (3 cr.)
- SPEA-V 336 Management Concepts and Applications II in Public and Private Organizations (3 cr.) (P: SPEA-V 236)
- SPEA-V 361 Financial Management (3 cr.) (P: SPEA-V 246 or BUS-A 201)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.)
- SPEA-V 368 Managing Government Operations (3 cr.)
- SPEA-V 369 Managing Information Technology (3 cr.)
- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 373 Human Resource Management in the Public Sector (3 cr.)
- SPEA-V 432 Labor Relations in the Public Sector (3 cr.) (P: SPEA-V 373)
- SPEA-V 436 Communication for Government and Nonprofit Organizations (3 cr.)
- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only, may be repeated with different topics)
- SPEA-V 463 Interpersonal Relations in the Workplace (1-4 cr.)

Certificate in Urban Studies

The undergraduate Urban Studies Certificate Program introduces students to contemporary knowledge of urban society, urban policy, and urban development.

Certificate Requirements

(Eight courses)

The following three courses:

- SPEA-K 300 Statistical Techniques or approved option (3 cr.)
- SPEA-V 161 Urban Problems and Solutions (3 cr.)
- SPEA-V 340 Urban Government Administration (3 cr.)

Two courses from one of the following groups:

Urban Finance

- SPEA-V 372 Government Finance and Budgets (3 cr.)
- SPEA-V 442 Topics in Budgeting or Cost-Benefit (3 cr.)

Urban Development and Policy

- POLS-Y 308 Urban Politics (3 cr.)
- BUS-R 300 Principles of Real Estate (3 cr.)

Urban Society

- SOC-S 309 The Community (3 cr.)
- SOC-S 361 Cities and Suburbs (3 cr.)

Urban Management

- SPEA-V 226 Managing Emergency Services (3 cr.)
- GEOG-G 415 Advanced Urban Geography (3 cr.)

Urban Transportation

- GEOG-G 406 Sustainable Transportation Policy (3 cr.)
- GEOG-G 412 Urban Transportation Analysis (3 cr.)

Three additional courses from the above list or one from the above list and the following two courses:

- SPEA-V 450 Contemporary Issues in Public Affairs (3 cr.) (Approved topics only, may be repeated with different topics)
- HIST-A 347 American Urban History (3 cr.)

Nonprofit Leadership Alliance Certificate in Nonprofit Management and Leadership

The School of Public and Environmental Affairs, in partnership with Nonprofit Leadership Alliance, offers certification in nonprofit management. Students may also simultaneously enroll in the Nonprofit Management Certificate, offered by Indiana University, through SPEA. This certification prepares undergraduate college students for professional careers in the expanding job market of nonprofits. Upon completion of the Nonprofit Leadership Alliance program, students will be certified, through Nonprofit Leadership Alliance, for possible positions of leadership with collaborating organizations such as the YMCA, American Red Cross, Big Brothers/Big Sisters, Girl Scouts of the USA, 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. The certificate may be obtained through the completion of the following academic requirements and co-curricular requirements.

Academic Requirements

(Eight courses for a minimum of 20 credit hours)

The following courses are recommended to fulfill competencies and contact hours requirements:

1. Nonprofit Management

The following two courses:

- SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.) (B)
- SPEA-V 362 Nonprofit Management and Leadership (3 cr.) (B)

2. Nonprofit Management Field

Select one 200-level or higher course from a special feature of a nonprofit field, service area, or industry.

Examples include:

Urban Community Development

- SPEA-V 340 Urban Government Administration (3 cr.) (F)
- SPEA-V 462 Community Development (3 cr.) (S)

- SWK-S 352 Social Welfare Delivery Systems (3 cr.) (S)
- Youth and Adult Development
- EDUC-P 314 Life Span Development (3 cr.) (S)
- PSY-P 315 Developmental Psychology (3 cr.) (F)

International Development

- INTL-I 204 Human Rights and Social Movements: International Perspective (3 cr.) (S) Health Development
- SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.) (B)

3. *Nonprofit Accounting and Financial Management*

Select one of the following courses:

- SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.) (B)
- BUS-A 200 Foundations of Accounting (3 cr.) (B)

4. *American Humanics Management Institute*

The following course:

- SPEA-V 267 American Humanics Management Institute (1 cr.) (F)

5. *Personal Career Planning*

The following course:

- SPEA-V 252 Career Development (2 cr.) (B) or a comparable career planning course

6. *Fundraising*

One of the following fundraising courses:

- SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.) (F)
- SPH-R 101 Resource Development/Fundraising (3 cr.) (B)

7. *Internship with Nonprofit Organizations*

- SPEA-V 388 American Humanics Internship (3 cr.) (B)

Minimum of 300 intern hours.

Consult the Nonprofit Leadership Alliance director as credit is available through individual departments.

F = course only offered fall semester

S = course only offered spring semester

B = course offered both semesters

Co-Curricular Requirements

Students interested in learning more about the certificate should contact the Nonprofit Leadership Alliance director or a SPEA academic advisor.

Indianapolis Campus

- Bachelor of Science in Public Affairs (B.S.P.A.)
- Bachelor of Science in Criminal Justice (B.S.C.J.)
- Minors
- Certificate Programs

Indiana University founded the School of Public and Environmental Affairs (SPEA) more than 40 years ago to prepare students to address the issues of modern society in ways that more traditional schools overlooked. At SPEA, people learn how to work in government, nonprofit

and business roles to make positive changes in their communities, their states, their countries and the world.

SPEA graduates lead the organizations that make and enforce laws, keep communities livable and safe, shape smart public policy, protect the planet and help our fellow citizens. Through the combined study of civic leadership, management, policy studies, public affairs and media, criminal justice and public safety, SPEA students develop both the practical and philosophical skills that prepare them to develop solutions to society's problems.

SPEA Indianapolis offers two bachelor's degrees: a Bachelor of Science in Public Affairs (BSPA) and a Bachelor of Science in Criminal Justice (BSCJ).

Within the Public Affairs degree, you can major in Civic Leadership, Management, Media and Public Affairs, Policy Studies or Sustainable Management and Policy. BSPA students learn how to address issues in government and nonprofit settings and prepare to become leaders in their communities, organizations and businesses. Careers for SPEA graduates with a BSPA include legislative staffer, urban planner, director of a nonprofit, lobbyist or financial or policy analyst. Others work in public affairs or government affairs for private companies or nonprofits. Still other BSPA graduates continue their educations in law, planning, public affairs or environmental management.

Within Criminal Justice, you can major in Criminal Justice or Public Safety Management.

The Criminal Justice major gives students a broad and layered understanding of the history, operations and implications of criminal justice in America. You will be trained to address pressing societal needs related to law enforcement, the judicial system, corrections and national security. With a BSCJ in Criminal Justice, you might work in law enforcement management at the local, state and federal levels, as well as in the courts, prisons and victim advocacy programs.

The Public Safety Management major covers the administration of emergency services, the principles of public safety and the art of decision-making. Public Safety Management graduates work in public safety agencies as well as private companies that focus on public management, emergency services, solid and hazardous waste management, public health and more.

Both majors are also excellent preparation for pursuing graduate studies in law or criminal justice.

More information can be found at <http://bulletin.iupui.edu/>.

Bachelor of Science (B.S.) in Public Affairs

Students pursuing the **Bachelor of Science in Public Affairs** (B.S.P.A.) may major in Civic Leadership, Media and Public Affairs, Management, Policy Studies, or Sustainable Management and Policy. Public Affairs majors focus on how we provide for our citizen, making our communities better places to live, work and raise a family. Public Affairs students study and analyze government policies, and learn how to manage government and nonprofit organizations.

- A **Civic Leadership** major teaches students how individuals and organizations can work together to provide for their communities. Graduates often work in public service roles - leading businesses, nonprofit organizations or government agencies. This major is ideal for pre-law student, or students interested in advocacy or community leadership.
- **Media and Public Affairs** gives students an in-depth understanding of governance plus the skills needed to use today's media to communicate to customers, constituents, employees, supporters, opponents and the many other audiences involved in shaping effective public policy. Students who major in Media and Public Affairs will be prepared for careers as public information officers; government affairs personnel for private or nonprofit organizations; public administrators at the local, state, and federal level; lobbyists; representatives of trade organizations; and reporters for various media on the subjects of public affairs, public administration, public policy personnel and decisions. This major teaches anyone who intends to go in to management (public, private or nonprofit) or who will work in the policy area, when and how to deploy traditional and new media tools to achieve their goals.
- A **Management** major teaches some of the things you'd learn in a business school, but you get the additional benefit of learning how public agencies and nonprofit organizations operate. This holistic approach helps graduates move seamlessly between business, nonprofit and government management roles.
- A **Policy Studies** major prepares students to analyze and assess the usefulness of existing and proposed laws. This major emphasizes critical thinking skills. Graduates often go on to law school or directly into positions in government or government relations.
- A major gives students a solid understanding of public affairs, finance, policy-making and civic engagement, combined with specialized classes in the principles of sustainability, environmental justice and green technologies. Graduates of the program will find employment in the growing field of sustainability by assuming community and government roles, working for environmental nonprofit groups, owning or managing "green" businesses, and conducting research and legislative analysis. This major is also an excellent choice for a pre-law student.

For course requirements and other information, please go to <http://bulletin.iupui.edu/>.

Bachelor of Science in Criminal Justice (B.S.C.J.)

Students pursuing the **Bachelor of Science in Criminal Justice** (B.S.C.J.) may major in Criminal Justice or Public Safety Management. Criminal Justice students learn to protect communities and their citizens.

- Students majors in **Criminal Justice** study law enforcement, the judicial system, corrections and national security.

- Students who major in **Public Safety Management** focus on large-scale disaster preparedness, homeland security and delivery of lifesaving services including fire fighting, emergency medical services and disaster recovery.

For course requirements and other information, please go to <http://bulletin.iupui.edu/>.

Minors

The areas of study in which minors are currently available are Civic Leadership, Criminal Justice, Criminal Justice Accounting, Human Resources Management, Management, Policy Studies, Public Safety Management, and Public and Nonprofit Financial Management. For course requirements and other information, please go to <http://bulletin.iupui.edu/>.

Certificate Programs

The areas of study in which certificate programs are currently available are Nonprofit Management, Public Affairs, and Public Management. For course requirements and other information, please go to <http://bulletin.iupui.edu/>.

Special Programs

- Accelerated Master's Program
- Executive Education Program
- Honors Program
- Indiana Law Enforcement and Indianapolis Fire Department Academy Credits
- Indiana Leadership Seminar
- Overseas Education
- Washington Leadership Program

Honors Program

SPEA's Honors Program indulges the talents and creativity of SPEA undergraduates who excel in the classroom and who are destined for leadership roles in their chosen discipline. Prior to being invited to the **Bloomington** SPEA Honors Program, students must complete a minimum of 26 credit hours of course work with at least a 3.5 cumulative and 3.5 SPEA grade point average. In all cases, the student must be currently enrolled as a SPEA major or applying (or preparing to apply) for SPEA admission. To maintain eligibility in the program, all students must maintain a cumulative and SPEA GPA of at least 3.5. All SPEA majors with at least a minimum cumulative and SPEA GPA of 3.5 at the end of their freshman year will be invited to join the Honors Program.

On the **Bloomington** campus, benefits of the SPEA Honors Program include: confirmation of a diploma "With Public and Environmental Affairs Honors" notation; advanced course work and opportunities for in-depth research projects with SPEA faculty; interaction with like-minded students in the SPEA Honors Program and the Hutton Honors College; competitively awarded funding opportunities to support academic related travel, research projects, and internships through the Hutton Honors College; automatic admission to SPEA's prestigious Scholars in Global Citizenship, and provisional admission

to Washington Leadership Program, IU at Oxford Summer Program, and the accelerated Master of Public Affairs or Environmental Science degree programs; and counsel from an Honors Program Advisor.

On the **Indianapolis** campus, information regarding the [IUPUI Honors College](#) can be found on the SPEA-IUPUI bulletin website at <http://bulletin.iupui.edu/>. Benefits of this program include advanced coursework, opportunities for community service, interaction with like-minded students, participation in honors events and the IUPUI Honor Societies, eligibility for residence in the IUPUI Honors House, opportunities for research with faculty, and funding to support academic-related research and travel.

Accelerated Master's Program

On the **Bloomington** campus, the Accelerated Master's Program (A.M.P.) is a competitive program for outstanding SPEA undergraduate students. Students may apply to the Master of Public Affairs (M.P.A.) or the Master of Science in Environmental Science (M.S.E.S.) programs 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. For additional information, students should contact the appropriate graduate program director.

For students who wish to enroll in the Accelerated Masters Program, the following are required:

- B.S.P.A. students should have a cumulative GPA of 3.5 and B.S.E.S. students should have a cumulative GPA of 3.0 for the MSES program.
- Students accepted into the program may begin when they have earned 96 credit hours in the undergraduate degree program, including specified courses in the major.
- Students must have completed the undergraduate internship prior to starting the masters coursework and if an honors student, must have completed their honors thesis requirements.
- Before starting the graduate program, students must have satisfied **all** general education requirements for their bachelor's degree.

On the **Indianapolis** campus 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.) or the Master of Science in Criminal Justice and Public Safety (M.S.C.J.P.S.) programs early in their junior year.

Information on the Accelerated Master's Program can be found on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

Executive Education Program

The Executive Education Program is one of the most prestigious leadership programs in the nation. Offered through the School of Public and Environmental Affairs, the Executive Education Program works with the government, nonprofit agencies, and the private sector to prepare leaders and managers to meet today's challenges and anticipate tomorrow's opportunities.

The Executive Education Program offers graduate-level programs at four sites nationally: Washington, D.C.; Seattle, Washington; Indianapolis, Indiana, for the United States Navy; and Louisville, Kentucky, for the United States Army Corps of Engineers. Graduate programs include the Master of Public Affairs (M.P.A.), the Public Management Certificate, and the Environmental Management Certificate.

The Executive Education Program has formed a partnership with the American Association of State Highway and Transportation Officials (AASHTO), which also meets in Indianapolis. Together, they have created two institutes to challenge and educate transportation managers and leaders. The National Transportation Leadership Institute and the Graduate Leadership/Management Institute are two of the most influential programs for transportation management.

The Executive Education Program's partnership with the Indiana Health and Hospital Association (EHHA) created a 10-course management institute for health care officials in Indiana to help them lead their organizations through the continually changing health care industry. The Executive Education Program has also partnered with Goodwill Industries of Central Indiana and the Indianapolis Metropolitan Police Department to develop specialized 15 credit hour graduate certificates for emerging leaders.

SPEA's Executive Education Program also offers customized leadership and management programs for local and national clients.

Email ExecEdu@iupui.edu or call at 317-274-3418 for additional information.

Overseas Education

All SPEA Abroad programs give students the opportunity to earn credit hours from overseas study combined with travel to important foreign locations where SPEA instructors collaborate with faculty from partner institutions to offer special programs taught in English. In addition, SPEA Abroad programs include supplementary introductions to the culture and history of each foreign location with special classes, lectures, and excursions that go beyond the credit earning requirements of the formal classroom. Course topics and credit vary by program, but credit is generally given for SPEA-V 482, SPEA-E 482, SPEA-A 482, and other topics courses included as part of a SPEA major. Subjects include public and nonprofit management, public policy and policy analysis, comparative and international administration, and environmental science. For more information about SPEA overseas education programs, see www.spea-abroad.info/

The SPEA commitment to overseas study is currently supported by a special scholarship program. Please note that SPEA Overseas Education Scholarships are available only to SPEA majors and that scholarship availability is re-evaluated on an annual basis.

Students are also encouraged to explore the many IU overseas credit offerings originating outside of SPEA. Many study abroad programs approved by the IU Office of Overseas Study can, with the approval of a SPEA advisor, count as part of a SPEA major or minor. In short, Indiana University offers many overseas education programs, and IUB students are advised to make use of the Overseas

Study Resource Center at the Leo S. Dowling International Center. For more information see <http://overseas.iu.edu>.

IUPUI students should consult with SPEA Student Services at BS 3025 (317-274-4656) on the Indianapolis campus and can find more information on the SPEA-IUPUI website <http://www.spea.iupui.edu/>.

Washington Leadership Program

IU's School of Public and Environmental Affairs proudly offers the Washington Leadership Program each fall semester in Washington, D.C. The Washington Leadership Program is a unique opportunity for talented undergraduate students to receive in-depth exposure to key policy makers and government officials in our nation's capital.

Select Sophomores, Juniors and Seniors from all majors on the Bloomington campus and SPEA majors at other IU campuses are eligible to apply. This program consists of two senior-level seminars (each worth 3 credit hours) and an internship (worth 6 credit hours). Students complete internships by working four days per week in an assigned congressional or senate office, trade association, or federal agency, or in a health, environmental, or nonprofit organization.

Interested students should visit the SPEA website at <https://spea.indiana.edu/student-experience/enrichment-opportunities/wlp/index.html> for more information and to apply or e-mail at wlp@indiana.edu.

Indiana Leadership Seminar

The Indiana Leadership Seminar offers senior honor students a chance to participate in research projects with a state agency. The focus is to develop professional skills and provide networking opportunities for future career connections as students apply classroom theory to real-world problems. The Indiana Leadership Seminar will complete the requirement of the major capstone course for students enrolled for the full year, both fall and spring semesters. Interested students should contact their academic advisor or program director.

Indiana Law Enforcement and Indianapolis Fire Department Academy Credits

Information on receiving credit for training can be found on the SPEA-IUPUI bulletin at <http://bulletin.iupui.edu/>.

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 five groups: arts management, criminal justice, environmental, healthcare management and policy, and public affairs.

Arts Management

SPEA-A 163 Art Worlds: Management, Markets, and Policy (3 cr.) This course provides students with a taste of the variety of topics they will encounter when pursuing the B.S. in Arts Management, including public policy in the arts, the economic structure of markets in various

branches of the arts, and the issues facing administrators in the arts.

SPEA-S 163 Honors—Art Worlds: Management, Markets, and Policy (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-A 163; however, honors students will complete advanced coursework.

SPEA-A 236 Music Industry I (3 cr.) The purpose of this class is to gain a historical overview on the development of the music industry from its beginnings to current issues. Special focus will be on the development of legal issues and the recording industry.

SPEA-A 241 Inside Community Arts Organizations (3 cr.) Students will get to know arts organizations and music business entities in the area in order to gain awareness about the role of the arts in a community as a cultural, social, as well as economic force. Class instruction includes lectures, guest speakers, field trips, and practical experiences.

SPEA-A 336 Music Industry II (3 cr.) P: SPEA-A 236 or approval of instructor. The purpose of this class is to build on the historical overview of the music industry from its beginnings to current issues in Music Industry I and explore current issues and music careers. Special focus will be on creating a plan for personal goals and development.

SPEA-A 354 Arts Marketing Fundamentals (3 cr.) This course introduces students to the essentials of arts marketing: how nonprofit organizations and consumers behave and what strategies marketers can use to successfully operate in today's environment. Course will examine such topics as the marketing process for product-centered cultural enterprises, collection and use of marketing information, target marketing and position.

SPEA-S 354 Honors-Arts Marketing Fundamentals (3 cr.) Course covers same material as SPEA-A 354; honors students will complete advanced coursework.

SPEA-A 400 Museum Management and Administration (3 cr.) P: SPEA-A 163. The class will investigate museums to include their history; present day roles and their cultural contributions; public policy; economics and their markets; organizational structures and day-to-day operations; performance assessments; and discussions regarding the future of the museum.

SPEA-A 405 Programming in the Performing Arts (3 cr.) This course examines how programming relates to marketing and public relations; the role of programming in the public and professional identity of artists and arts organizations; the external factors that condition program choice; and how programming affects relationships with society and the arts community on local, national and international levels.

SPEA-A 410 Artists, Galleries and Collectors (1.5 cr.) This course provides a framework for understanding the interactions of artists, galleries and collectors within the broader Art World. The course also covers the history of the visual arts market as a financial entity, placing it in the context of contemporary culture.

SPEA-A 411 Auditorium Management (1.5 cr.) This course offers an overview of the management of

performing arts venues, with an emphasis on nonprofit venues. Topics include crowd management, backstage, communication, box office, fund development, regulations, unions, contracts and pricing.

SPEA-A 412 Creative Thinking Strategies for Arts Management (1.5 cr.) This course provides a framework for understanding the interactions of artists, galleries and collectors within the broader Art World. The course also covers the history of the visual arts market as a financial entity, placing it in the context of contemporary culture.

SPEA-A 418 Theatre and Dance Management (1.5 cr.) Theatre and Dance Management provides an introduction to real-world problems of managing an arts organization. Students will discuss the unique organizational issues facing performing arts companies and, through detailed analysis and creative thinking, come up with innovative solutions to problems ranging from budgeting to marketing to artistic programming.

SPEA-A 422 IT Applications for the Arts (3 cr.) Teaches Arts Administration professionals how to use computer applications to create printed, web based and multimedia materials to promote effective communications. Provides instruction and practical hands-on experience in design theory, page layout, usability, accessibility, digital photo editing, graphics, and desktop and web publishing to create promotional and informational materials.

SPEA-A 426 Art and Social Change (3 cr.) Art and Social Change traces the development of art practice as a vehicle for social change from the Civil Rights movement to the present day and asks students to envision a community cultural development project of their own. Augusto Boal's innovative community building techniques are used throughout the class.

SPEA-A 431 Cultural Planning and Urban Development (3 cr.) An introduction to research and practice concerning the intersection of the arts and urban development. Students will gain an understanding of how scholars view the arts and culture in the context of urban development and how local governments and cultural leaders currently use the arts in urban development initiatives.

SPEA-A 439 Fund Development for the Arts (3 cr.) This course will provide an introduction and overview to the theory and practice of development and fundraising, with a special focus on the arts. Topics include annual fund, corporate and foundation relations, major gifts, planned giving, prospect research, working with boards, stewardship and more.

SPEA-A 450 Contemporary Topics in Arts Administration (1-3 cr.) Extensive analysis of selected contemporary topics in Arts Administration. Topics vary from semester to semester. May be repeated for credit; topics must differ.

SPEA-A 459 Public Policy and the Arts (3 cr.) This course considers the principal aspects of cultural policy in the US and elsewhere. Topics include arts education, the ends and means of government funding for the arts, multiculturalism, freedom of expression, copyright, other legal rights of artists, international trade in cultural goods, and international treaties on cultural diversity.

SPEA-A 464 The Economics and Administration of Artistic Organizations (3 cr.) This course analyzes the unique challenges facing arts organizations in the public, nonprofit, and for-profit sectors. Among other topics, the course deals with the multiple and often-conflicting goals faced by arts organizations, consumer demand and price setting, experimentation and innovation, and setting the rules for decision-making and oversight.

SPEA-A 482 Overseas Topics in Arts Management (0-15 cr.) SPEA Abroad Program: study of selected topics in arts management. Topics vary from semester to semester. May be repeated for credit.

SPEA-A 483 Creative Thinking Strategies in Arts Administration (3 cr.) The goal of the course is to study the process of improvisation in a group setting as a model for creative and entrepreneurial thinking techniques. Based on the model of the jazz combo and a variety of theories on creative thinking, students will develop improvisational and problem solving skills.

SPEA-A 499 Honors Thesis (3 cr.) Required of SPEA Honors Program students. Research and paper to be arranged with individual instructor and approved by the Director of Undergraduate Programs.

Criminal Justice

SPEA-J 101 The American Criminal Justice System (3 cr.) Introduction to the criminal justice system of the United States and its function in contemporary society.

SPEA-J 150 Public Safety in America (3 cr.) The protection of persons and property involves a number of public and private organizations. This course examines the roles that agencies working within the fire service, emergency management, criminal justice, and the private security sector play in securing public safety in the United States.

SPEA-J 215 Concepts of Forensic Science (3 cr.) Forensic science and the criminal justice system. Evidence collection and analysis. Forensic chemistry including drugs and trace evidence, biology including blood spatter and DNA, pathology, entomology, anthropology, and forensic science and the law. Credit not given for both SPEA-J 215 and J 322.

SPEA-J 222 Murder in America: Causes and Consequences (3 cr.) An investigation of homicide in the United States. Focus on the level and nature of homicides as well as domestic homicides, serial and mass murder, race, ethnicity and gender, drugs and alcohol, school and workplace homicides, investigation, profiling and the death penalty, and homicide prevention and intervention programs.

SPEA-J 260 Topics in Criminal Justice (1-3 cr.) Study of selected issues in criminal justice. Topics vary from semester to semester. May be repeated for credit.

SPEA-J 272 Terrorism and Public Policy (3 cr.) This course surveys terrorism in democratic societies, with an emphasis on public policy responses designed to combat terrorism. Overviews of terrorist organizations in various countries are interspersed with analyses of significant terrorist events and public policies, and legal and public safety responses the events create.

SPEA-J 275 Diversity Issues in Criminal Justice (3 cr.)

This course examines the influence of diversity issues such as race, ethnicity, class, and gender on crime and the treatment of the underrepresented groups throughout the American criminal justice system.

SPEA-J 303 Evidence (3 cr.) P: SPEA-J 101. 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, processes.

SPEA-J 305 Juvenile Justice (3 cr.) P: SPEA-J 101. This course is designed to provide an overview of the justice system's response to abused, neglected, and dependent children; juvenile misconduct; and delinquent behavior. An extensive review of the development of recent legal changes to the court, options for prevention, treatment of juvenile offenders, and possible system reforms.

SPEA-J 310 Introduction to Administrative Processes (3 cr.) P: SPEA-J 101. Introduction to principles of management and systems theory for the administration of criminal justice agencies. Credit not given for both SPEA-J 310 and SPEA-V 270.

SPEA-J 312 White Collar Crime (3 cr.) P: SPEA-J 101. White collar crime is an examination of the definitions, theories, laws, and policy responses that shape crimes by corporations, government agencies, professionals, and others engaged in legitimate occupations.

SPEA-J 320 Criminal Investigation (3 cr.) P: SPEA-J 101. Theory of investigation, crime scene procedures, interviews, interrogations, surveillances, and sources of information; collection and preservation of physical evidence; investigative techniques in specific crimes.

SPEA-J 322 Introduction to Criminalistics (3 cr.) P: SPEA-J 101; R: SPEA-J 301. The broad range of physical evidence developed through the investigative process, and methods of identifying and establishing validity and relevance through forensic laboratory techniques.

SPEA-J 355 Global Criminal Justice Perspectives (3 cr.) P: SPEA-J 101. An international review of select criminal justice perspectives and systems within the primary legal traditions of common, civil, Islamic, and socialist systems, as well as those that do not fit into established categories, such as Native American and African tribal justice.

SPEA-J 370 Seminar in Criminal Justice (3 cr.) P: SPEA-J 101 Selected contemporary topics in criminal justice. May be repeated for credit.

SPEA-J 376 Principles of Public Safety (3 cr.) P: J 101, J 150 Examination of threats to public safety and of governmental response at various levels to those threats. Treatment of areas such 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.

SPEA-J 380 Internship in Criminal Justice (0-6 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 defined tasks relevant to their educational interests. Tasks may involve staff work or research. Full-time participants may earn up to 6 credit hours. Course is graded S /F (Satisfactory /Fail). May be repeated for credit.

SPEA-J 426 Mapping and Analysis for Public Safety (3 cr.)

P: SPEA-J 101 or J 150. The use of geographic information systems to map locations of events and analyze patterns for decision making in areas of public safety including criminal justice, fire services, emergency management, and homeland security.

SPEA-J 429 Public Safety Management and Leadership (3 cr.)

P: J101, J150, J202, K300, J376, J382, J387 This capstone course is designed to examine the major public management principles, policy concerns, and leadership theories learned in an undergraduate management curriculum as they relate to how public safety is achieved in the field and in the policy making arena.

SPEA-J 433 Institutional Corrections (3 cr.)

P: SPEA-J 101. The history and development of the jail, penitentiary, prison, and reformatory. Analysis and evaluation of contemporary imprisonment.

SPEA-J 470 Seminar in Criminal Justice (1-3 cr.)

P: Senior standing. Emphasizes current developments in legal, administrative, and operational aspects of the criminal justice system.

Environmental

SPEA-E 100 Environmental Topics (1-3 cr.) Study of selected issues in environmental affairs. Topics vary from semester to semester. May be repeated for credit.

SPEA-E 162 Environment and People (3 cr.)

Environment and People is an introductory course that examines how humans interact with their environment. This course covers multiple topics, centered-around human-environment dimensions of environmental change. The overarching objective is to develop an understanding of our impact on the planet and possible solutions to environmental degradation. Credit not given for both SPEA-E 162 and E 262.

SPEA-S 162 Honors—Environment and People (3 cr.)

Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 162; however, honors students will complete advanced coursework.

SPEA-E 260 Introduction to Water Resources (3 cr.)

P: SPEA-E 272; any biology course. This course provides an introduction to the science and management of water resources. Topics include hydrology and the water cycle; a survey of aquatic ecosystems, biota and processes; and an examination of the types and consequences of water pollution and impairment of water resources.

SPEA-E 262 Environmental Problems and Solutions (3 cr.)

P: One semester of college-level chemistry. An integrated approach to understanding and solving environmental problems. Topics may include ecosystem restoration, surface water and groundwater contamination,

air pollution, and global environmental change. This course is intended primarily for majors in the B.S.E.S. degree program.

SPEA-E 272 Introduction to Environmental Sciences (3 cr.) P: (no P required for Bloomington); 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.

SPEA-S 272 Honors—Introduction to Environmental Sciences (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 272; however, honors students will complete advanced coursework.

SPEA-E 311 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 standard setting groups. Because risk communication is an integral part of any risk management process, risk communication techniques and applications will be integrated into the course material.

SPEA-S 311 Honors—Introduction to Risk Assessment and Risk Communication (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 311; however, honors students will complete advanced coursework.

SPEA-E 316 Insects and the Environment (3 cr.) This course introduces insects in the context of their ecological importance, their effects on humans, and the environmental/economic impacts of pest management. The course is taught in five modules: Entomology, Insect Pests, Pest Management and Risk Reduction, Policies of Pest Management and Bio-diversity, and Pollution Prevention and Benefit-Cost Analysis.

SPEA-E 324 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.

SPEA-E 325 Computing for Environmental Scientists (1-3 cr.) P: (no P required for Bloomington); MATH-M 118 or M 119; K 300 or equivalent; SPEA-E 272. 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.

SPEA-E 332 Introduction to Applied Ecology (3 cr.) P: MATH-M 119 or M 211; CSCI-C 211 or BUS-K 201; and K 300. This course provides an introduction to applied ecology for non-science majors.

SPEA-S 332 Honors—Introduction to Applied Ecology (3 cr.) Requires consent of SPEA Honors advisor. Course

covers same content as SPEA-E 332; however, honors students will complete advanced coursework.

SPEA-E 340 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.

SPEA-S 340 Environmental Economics and Finance (3 cr.) Course covers same material as SPEA-E 340; honors students will complete advanced coursework.

SPEA-E 355 Introduction to Limnology (3 cr.) Limnology is the integrated science of inland waters. Principles of physics, chemistry, geology, and biology combine to form the basis for understanding how lakes and streams function as aquatic ecosystems. The course will highlight the effects of human activity on lake and stream ecosystems.

SPEA-S 355 Honors-Introduction to Limnology (3 cr.) Course covers same material as SPEA-E 355; honors students will complete advanced coursework.

SPEA-E 363 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.

SPEA-S 363 Honors—Environmental Management (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 363; however, honors students will complete advanced coursework.

SPEA-E 375 Techniques of Environmental Science (3 cr.) P: SPEA-E 272 or H 316. 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.

SPEA-S 375 Honors-Techniques of Environmental Science (3 cr.) P: SPEA-E 272 or H 316. Course covers same material as SPEA-E 375; honors students will complete advanced coursework.

SPEA-E 400 Topics in Environmental Studies (1-3 cr.) P: (no P required for Bloomington) SPEA-E 272. An interdisciplinary consideration of specific environmental topics. May be repeated for credit.

SPEA-E 401 Human Behavior and Energy Consumption (3 cr.) We face many barriers that prevent us from conserving energy and other natural resources. This course is aimed at decreasing energy use independent of top down regulations. Students will understand the nature of energy, the importance of human

behavior, and how to create, and evaluate behavioral change.

SPEA-E 410 Introduction to Environmental Toxicology (3 cr.) P: any organismal biology course. Study of toxic mechanisms, pathology, and disease development resulting from exposure to biological and chemical agents in the environment.

SPEA-E 411 Introduction to Groundwater Hydrology (3 cr.) An overview is presented of the theory and practice of groundwater movement, groundwater contamination, and aquifer testing and remediation, as well as policy issues such as groundwater management. The formal lectures are supplemented by several guest speakers, who are professionals working in different areas of groundwater hydrology.

SPEA-E 442 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.

SPEA-E 412 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.

SPEA-E 418 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.

SPEA-E 419 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.

SPEA-E 421 PCBs, Dioxins and Flame Retardants (2 cr.) History of toxic chemical environmental disasters: mercury and lead; Love Canal and hazardous waste; polychlorinated biphenyls in Bloomington and New York; dioxins (in Agent Orange, Missouri and Italy); toxic torts; flame retardants (in Michigan and in babies, cats, dogs and eagles); persistent pesticides (environmental trends and in farm-raised salmon); Deepwater Horizon oil spill.

SPEA-E 422 Urban Forest Management (3 cr.) Originally an outgrowth of arboriculture, urban forestry now encompasses the broader concepts of managing the trees, forests and other natural resources of cities for ecological, economic, and social benefits. Lectures, discussions, and field projects will be supplemented by outside speakers. IUB and Bloomington will be the field laboratory.

SPEA-S 422 Honors—Urban Forest Management (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 422; however, honors students will complete advanced coursework.

SPEA-E 423 Environmental Health Science Technology: Managing Water and Wastes (3 cr.) P: SPEA-H 316; MATH 153. Technology approach to preventing the transmission of disease among humans through water and wastes. Course focuses on drinking water treatment and distribution, water quality and pollution, wastewater treatment, storm water management, municipal solid waste, and hazardous waste management.

SPEA-E 426 Applied Mathematics for Environmental Science (3 cr.) P: Differential and Integral Calculus. Applications of mathematics to modeling environmental processes; applied calculus, numerical analysis, differential equations.

SPEA-E 431 Water Supply and Wastewater Treatment (3 cr.) P: (no P required for Bloomington) SPEA-E 272 or H 316; CHEM-C 101 or equivalent; MATH-M 119 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.

SPEA-E 440 Wetlands Ecology and Management (4 cr.) P: SPEA-E 272 This course focuses on structural and functional characteristics of wetlands, their importance as a natural resource and value to society. Topics include characteristics used to identify and classify wetlands, adaptations for living in wetlands, community structure and ecosystem processes, functions and values. Management of wetlands includes jurisdictional delineation and hydrogeomorphic assessment.

SPEA-S 440 Honors—Wetlands: Biology and Regulation (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 440; however, honors students will complete advanced coursework.

SPEA-E 443 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.

SPEA-E 451 Air Pollution and Control (3 cr.) P: (no P required for Bloomington); SPEA-E 272 or H 316; CHEM-C 101 or equivalent; MATH-M 118 or equivalent. A survey course covering the chemistry, transport, and fate of air pollutants related to current issues of air quality, such as photochemical smog, ozone depletion, particulate matter, and indoor air quality. Topics include the types, sources, health and environmental effects, measurement, evaluation, control, regulation, and modeling of air pollution concentrations.

SPEA-E 452 Solid and Hazardous Waste Management (3 cr.) P: (no P required for Bloomington); SPEA-

E 272 or H 316. 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.

SPEA-S 452 Honors—Solid and Hazardous Waste Management (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 452; however, honors students will complete advanced coursework.

SPEA-E 455 Limnology (4 cr.) P: College chemistry and biology or permission of instructor. 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.

SPEA-E 456 Lake and Watershed Management (3 cr.) P: any college level biology or chemistry course. Students will learn to apply basic limnological principles to diagnose lake and watershed problems, to understand lake response to pollution, to identify appropriate management solutions, and to predict lake response to management.

SPEA-E 457 Introduction to Conservation Biology (3 cr.) P: a 300-level ecology course. Ecological principles associated with rare species and with biodiversity, laws and statutes used to conserve biodiversity, and land and species management practices. The aim is to understand scientific and political complexities of conservation biology and to study different methods used to conserve living resources and resolve conflicts associated with conservation.

SPEA-S 457 Honors—Introduction to Conservation Biology (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-E 457; however, honors students will complete advanced coursework.

SPEA-E 459 Field Techniques in Ecology (3 cr.) P: one semester of statistics. Course provides an introduction to field research on ecology. Field labs teach techniques associated with geographic and map work, population estimation, habitat measurement in a variety of settings, and soil sampling. Indoor work covers descriptive, univariate, and bivariate statistical techniques, data display, and report writing.

SPEA-E 460 Fisheries and Wildlife Management (3 cr.) This course first reviews taxonomy, vertebrate biology, and population ecology, then introduces the student to a variety of conflicts concerning fisheries and wildlife. Cases examine endangered species, over harvesting, maximum sustained yield, habitat evaluation, and recreational use.

SPEA-E 461 Fisheries and Wildlife Management Laboratory (3 cr.) P: SPEA-E 272 or H 316; any biology course; and SPEA-E 460 (can be concurrent). Practical experience course in which 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.

SPEA-E 464 Organic Pollutants: Environmental Chemistry and Fate (3 cr.) P: SPEA-E 536 or permission of the instructor. This course provides students with both a quantitative and intuitive understanding of the relationship between chemical structure, environmental properties, and the behavior of organic contaminants in the environment, particularly aquatic environments. Physical/ chemical properties of organic chemicals, fate determining processes, and modeling concepts will be examined in detail.

SPEA-E 465 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.

SPEA-E 466 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.

SPEA-E 470 Elements of Fluid Mechanics (3 cr.) Introduction to the fundamental concepts of fluid mechanics that 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.

SPEA-E 476 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.

SPEA-E 482 Overseas Topics in Environmental Science (0-15 cr.) SPEA Abroad Program: study of selected topics in environmental science. Topics vary from semester to semester. May be repeated for credit.

SPEA-E 490 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.

SPEA-E 491 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.

SPEA-E 499 Honors Thesis (3 cr.) Required of SPEA Honors Program students. Research and paper to be arranged with individual instructor and approved by the Director of Undergraduate Programs.

Public Affairs

SPEA-K 300 Statistical Techniques (3 cr.) P: MATH-M 014 or equivalent. R: MATH-M 118. 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 SPEA/PSY/CJUS/MATH K300 and ECON E 270/E 370, SOC-S 250, or PSY/MATH-K 310.

SPEA-K 301 Statistics Laboratory (1 cr.) This course is an optional module to accompany SPEA-K 300 Statistical Techniques and must be taken concurrently with K 300. The course focuses on application techniques being taught in K 300. This course will allow students to obtain tutoring with specific problems. Sessions are linked to K 300 lectures.

SPEA-V 100 Current Topics in Public Affairs (1-3 cr.) Readings and discussion of current public issues and problems. May be repeated for credit.

SPEA-V 130 Representative Bureaucracy and Social Equity (3 cr.) Diversity has become a central theme of public policy, as America has struggled to expand on the Constitution's charge to promote the general welfare. The broad parameters of diversity are discussed, including the concepts of representative bureaucracy, social equity, and affirmative action and equal employment opportunity responses to the problem.

SPEA-V 160 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 economics, crime, security, health, and energy. Credit not given for both V 160 and V 170.

SPEA-S 160 Honors—National and International Policy (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 160; however, honors students will complete advanced coursework.

SPEA-V 161 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 V 161 and V 264.

SPEA-S 161 Honors—Urban Problems and Solutions (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 161; however, honors students will complete advanced coursework.

SPEA-V 170 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 V 160 and V 170.

SPEA-V 200 Competitive Debate Seminar (1 cr.) This course is designed for students who wish to participate in the intercollegiate and competitive debate program. The Competitive Debate Seminar will be dedicated to advancing each particular students's understanding of debate concepts and theory, topic research, and practice debate rounds.

SPEA-V 201 International Policy-making Practicum: Model United Nations (3 cr.) This course prepares students to participate as delegates at an intercollegiate conference simulating UN negotiations. Students will learn about the history and institutions of the UN. They will become deeply knowledgeable about the nations they represent and understand how national interest, power, and international institutions affect policy outcomes.

SPEA-V 212 Statistics for Public and Environmental Affairs (3 cr.) The objectives of this course are to impart the concepts and tools of statistical analysis to students who may pursue additional coursework or careers in the public, private, or nonprofit sectors in arenas as diverse as governmental affairs, environmental management, and health management. Course assumes students have limited familiarity with statistics.

SPEA-V 220 Law and Public Affairs (3 cr.) (Bloomington only.) This course provides a basic understanding of the origins, process, and impact of law in the making and implementation 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.

SPEA-S 220 Honors—Law and Public Affairs (3 cr.) (Bloomington only.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 220; however, honors students will complete advanced coursework.

SPEA-V 221 Nonprofit and Voluntary Sector (3 cr.) This course provides a broad overview of the U.S. nonprofit sector. Topics include the sector's size and scope and its religious, historical, and theoretical underpinnings. It also examines perspectives on why people organize, donate to, and volunteer for nonprofit organizations, and looks at current challenges that the sector faces.

SPEA-V 226 Managing Emergency Services (3 cr.) This course is designed to advance students' understanding of the chief administrator's role in directing police, fire, and emergency medical services on a day-to-day basis and during major disasters. This will include the challenges of planning for a major disaster, and managing the emergency and post recovery period.

SPEA-V 236 Management Concepts and Applications I in Private and Public Organizations (3 cr.) Course introduces domestic and global challenges of management in the public, nonprofit and private sectors. Examines a range of management concepts and how they can be applied in a contemporary setting. Topics include the organizational environmental; strategic planning and management; and performance. First of a 2-part sequence.

SPEA-S 236 Honors—Management Concepts and Applications I in Public and Private Organizations (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 236; however, honors students will complete advanced coursework.

SPEA-V 241 Management Foundations and Approaches (3 cr.) This course examines core functions of management and the political socio-economic context within which organizations operate in different sectors of employment. It is organized into five main parts: what management entails; approaches to the study of management; contextual factors; core issues; and management functions. Course concludes with a capstone exercise.

SPEA-S 241 Honors—Management Foundation and Approaches (3 cr.) (Bloomington only.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 241; however, honors students will complete advanced coursework.

SPEA-V 246 Elements of Governmental and Nonprofit Financial Accounting Cycle (3 cr.) This course is designed to prepare students for next level courses in governmental accounting and reporting; nonprofit accounting and reporting; and health accounting and finance.

SPEA-V 252 Career Development and Planning (1-3 cr.) Course highlights include: identification of work values and personality preference, a career research assignment, networking assignments designed to prepare students for contact with employers, in-depth tutorial and feedback concerning how to craft a marketable resume and cover letter, and development of an overall career development plan.

SPEA-V 260 Topics in Public Affairs (1-3 cr.) Study of selected issues in public affairs. Topics vary from semester to semester. May be repeated for credit.

SPEA-V 261 Technology in Public Affairs (3 cr.) An introduction to information technology and computing applications in public affairs. Topics include basic IT concepts, project proposals, network and infrastructure design, security and ethics, data and document management, cloud computing, and IT futures. Direct application of the above with office suites, website development, spreadsheets and statistics, and databases. Recommend basic understanding of computer operations.

SPEA-V 263 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.

SPEA-S 263 Honors—Public Management (3 cr.) (Bloomington only.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 263; however, honors students will complete advanced coursework.

SPEA-V 264 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-V 161 and SPEA-V 264.

SPEA-V 267 American Humanics Management Institute (1 cr.) Students attending the American Humanics Management Institute (AHMI) are required to participate in orientation meetings to plan for AHMI and raise funds for the trip. AHMI is held annually in January. Permission of the American Humanics Campus Director is required. May be repeated for credit.

SPEA-V 268 American Humanics Topics (1-3 cr.) Topics covering specific American Humanics competencies reflecting the particular needs and interests of participating students and the local advisory board for the program. Topics may include risk management, fundraising, board and committee development, and nonprofit marketing. Topics vary from semester to semester. May be repeated for credit.

SPEA-V 270 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-V 270 and SPEA-J 310.

SPEA-V 272 Terrorism and Public Policy (3 cr.) A survey of the incidence of terrorism in democratic societies, with particular emphasis on public policy responses designed to combat terrorism in cities. Overviews of ongoing conflicts with terrorist organizations in various countries are interspersed with analyses of significant terrorist events and public policies and responses such events create.

SPEA-V 275 Introduction to Emergency Management (3 cr.) An examination of the background and nature of the profession, the central theoretical debates concerning natural and human-induced disasters, mitigating and reacting to these catastrophic events, and the major roles and responsibilities of emergency managers. Current practical problems and future directions will be explored.

SPEA-V 320 Current Events and General Politics (3 cr.) (Washington Leadership Program only.) Course examines Federal decision makers: who are they, how they operate, and their paths. Speakers are from health care, finance, transportation, environment, homeland security, etc. Students attend Congressional hearings and write legislative briefs. Course concludes with a mock congressional hearing role playing by students.

SPEA-V 336 Management Concepts and Applications II in Private and Public Organizations (3 cr.) P: SPEA-V 236 Management Concepts and Applications I in Private and Public Organizations. This Course exposes students to a variety of theories and concepts about individuals, groups, processes, and structures in organizations. A strong emphasis will be placed on the application of these theories and concepts to improving decision making, employee work-related attitudes, and performance. Specific topics covered in the course include organizational structure and design; work motivation and job satisfaction; communications; leadership; work groups and teams; organizational power and politics; performance; organizational change and innovation; human resources management practices; and diversity. This is the second course in a two-semester management

sequence that begins with V 236 Management Concepts and Applications I.

SPEA-S 336 Honors—Management Concepts and Applications II in Public and Private Organizations (3 cr.) P: SPEA-V 236 or SPEA-S 236. Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 336; however, honors students will complete advanced coursework.

SPEA-V 339 Legal History and Public Policy (3 cr.) P: SPEA-V 220 This course will cover a specific policy issue in American history (such as race relations or political protest/dissent) during specific time periods and focus on the role played by the U.S. Supreme Court in dealing with that issue.

SPEA-S 339 Honors-Legal History and Public Policy (3 cr.) P: SPEA-V 220 or S 220 Course covers same material as SPEA-V 339; honors students will complete advanced coursework.

SPEA-V 340 Urban Government Administration (3 cr.) Structure of local government in the United States, federalism and intergovernmental relations, policy problems faced by local officials, and the implications of these problems for local government administrators.

SPEA-V 346 Introduction to Government Accounting and Financial Reporting (3 cr.) P: SPEA-V 246 (Bloomington only); BUS-A 200 or BUS-A 201 (Indianapolis only); 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.

SPEA-S 346 Introduction to Government Accounting and Financial Reporting (3 cr.) Course covers same material as SPEA-V 346; honors students will complete advanced coursework.

SPEA-V 348 Management Science (3 cr.) P: SPEA-K 300, MATH-M 025, or MATH-M 118. 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.

SPEA-V 350 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.

SPEA-V 352 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-V 352 and BUS-X 420.

SPEA-V 356 Introduction to Nonprofit Accounting and Reporting (3 cr.) P: SPEA-V 246 (Bloomington only); BUS-A 200 or BUS-A 201 (Indianapolis only); 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.

SPEA-V 361 Financial Management (3 cr.) P: SPEA-V 246 or BUS-A 201 (Bloomington only); BUS-A 200 or BUS-201 (Indianapolis only). 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.

SPEA-V 362 Nonprofit Management and Leadership (3 cr.) Students in this experiential course prepare themselves for this field as well as public and private sector jobs that intersect with the nonprofit sector. This course provides an overview of nonprofit management practices, including governance, leadership, planning, performance measurement, marketing, finances, ethics, team management, and staff and volunteer relations.

SPEA-S 362 Honors—Nonprofit Management and Leadership (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 362; in addition, honors students complete advanced course projects that apply to actual problems faced by nonprofit leaders.

SPEA-V 365 Urban Development and Planning (3 cr.) P: SPEA-V 161. This course identifies the major problems associated with urban development in the United States, 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.

SPEA-S 365 Honors-Urban Development and Planning (3 cr.) P: SPEA-V 161 or S161. Course covers same material as SPEA-V 365; honors students will complete advanced coursework.

SPEA-V 366 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.

SPEA-S 366 Honors—Managing Behavior in Public Organizations (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 366; however, honors students will complete advanced coursework.

SPEA-V 368 Managing Government Operations (3 cr.) P: SPEA-V 348. Application of analytical techniques to operating decisions in the 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.

SPEA-V 369 Managing Information Technology (3 cr.)

Analysis and discussion of information technology as applied to problem solving and management in public and non-profit sectors. Topics include management, infrastructures, policies, and concepts such as scalability, manageability, security, and cost of technology. Focus is on high-level issues surrounding IT and the strategic positioning of IT in all sectors of business. Recommended: SPEA-V 261 or BUS-K 201.

SPEA-S 369 Honors—Managing Information

Technology (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 369; however, honors students will complete advanced coursework.

SPEA-V 370 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.

SPEA-S 370 Honors-Research Methods Applied

Research (3 cr.) P: SPEA-K300 or equivalent. Course covers same material as SPEA-V 370; honors students will complete advanced coursework.

SPEA-V 371 Financing Public Affairs (3 cr.)

P: SPEA-V 160 (Bloomington only); SPEA-V 170 (Indianapolis only); or ECON-E 201, E 202. 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.

SPEA-S 371 Honors-Financing Public Affairs (3 cr.)

P: SPEA-V 160 or SPEA-S 160(Bloomington only); SPEA-V 170 (Indianapolis only); or ECON-E 201, E 202. Course covers same material as SPEA-V 371; honors students will complete advanced coursework.

SPEA-V 372 Government Finance and Budgets (3 cr.)

P: SPEA-V 170, ECON-E 201 or E 202 (Indianapolis only). Study of fiscal management in public agencies, including revenue administration, debt management, and public budgeting.

SPEA-S 372 Honors—Government Finance and

Budgets (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 372; however, honors students will complete advanced coursework.

SPEA-V 373 Human Resource 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.

SPEA-S 373 Honors—Human Resource Management

in the Public Sector (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 373; however, honors students will complete advanced coursework.

SPEA-V 376 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.

SPEA-V 377 Legal Process and Contemporary

Issues in America (3 cr.) P: SPEA-V 220 (Bloomington only); SPEA-V 376. An introduction to the U.S. 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.

SPEA-S 377 Honors—Legal Process and

Contemporary Issues (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 377; however, honors students will complete advanced coursework.

SPEA-V 378 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.

SPEA-S 378 Honors—Policy Processes in the United

States (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 378; however, honors students will complete advanced coursework.

SPEA-V 379 Performance Measurement and Program

Evaluation (3 cr.) This course provides an overview of program evaluation as it relates to public affairs, criminal justice, health policy, and environmental science with particular emphasis on measuring program outcomes. The course is designed for students who envision themselves working in management, policy-making, or research roles.

SPEA-V 380 Internship in Public and Environmental

Affairs (0-6 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. Course is graded S/F (Satisfactory/Fail). May be repeated for credit.

SPEA-V 381 Professional Experience (1-6 cr.)

Students will be required to fulfill a minimum of 120 hours of professional relevant work.

SPEA-V 386 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.

SPEA-S 386 Honors-Case Studies for Policy Analysis

(3 cr.) Course covers same material as SPEA-V 386; honors students will complete advanced coursework.

SPEA-V 387 Public Administration and Emergency

Management (3 cr.) An examination of the American federal system and how it affects policy making and emergency management. Topics include government programs, participation of agencies and actors from all

three levels of government, the nonprofit sector, and the private sector. Administrative processes involved in managing major hazards and disasters will be presented.

SPEA-V 388 American Humanics Internship (3-6 cr.)

American Humanics, Inc. requires an internship of 300 to 600 contact hours. A minimum of 3 credit hours is required. Credits will be given at the rate of 1 hour = 100 internship hours. Permission of the American Humanics Campus Director is required.

SPEA-V 389 Risk and Hazard Mitigation (3 cr.)

An examination of the principles and practice of risk and hazard mitigation at all levels of government and private industry. The tools, techniques, resources, programs, intergovernmental relationships, public-private partnerships, and the broader social context involved in planning for organizational and business continuity and implementing risk reduction strategies are covered.

SPEA-V 390 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.

SPEA-V 391 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.

SPEA-V 401 Financial and Cost-Benefit Analysis (3 cr.) P: SPEA-V 361 (Bloomington only). 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.

SPEA-S 401 Honors-Financial & Cost-Benefit Analysis (3 cr.) P: SPEA-V 361 (Bloomington only). Course covers same material as SPEA-V 401; honors students will complete advanced coursework.

SPEA-V 402 Human Behavior and Energy Consumption (3 cr.) We face many barriers that prevent us from conserving energy and other natural resources. This course is aimed at decreasing energy use in independent of top down regulations. Students will understand the nature of energy, the importance of behavior, and how to create, and evaluate behavioral change.

SPEA-V 405 Public Law and the Legislative Process (3 cr.) This course focuses on Congress as a policy-making body in the U.S. 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.

SPEA-S 405 Honors—Public Law and the Legislative Process (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 405; however, honors students will complete advanced coursework.

SPEA-V 406 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.

SPEA-V 407 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.

SPEA-S 407 Honors—Public Law and Government Relations (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 407; however, honors students will complete advanced coursework.

SPEA-V 412 Leadership and Ethics (3 cr.) This course is designed to examine the complex leadership issues and challenges facing communities and to explore how citizens and government can work together to address these challenges. This includes exploration of how the problems, conflicts, and dilemmas encountered by leaders when making decisions must be considered within an ethical framework.

SPEA-V 420 Financial Management and Accounting for Non-Profit Organizations (3 cr.) The purpose of the course is to introduce students to the role of financial management in modern not-for-profit organization. The course therefore covers applications of budgeting, financial and management accounting principles and procedures, and financial analysis for nonprofit organizations.

SPEA-V 421 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.

SPEA-V 422 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.

SPEA-V 432 Labor Relations in the Public Sector (3 cr.) P: SPEA-V 373 (Bloomington only). 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.

SPEA-S 432 Honors—Labor Relations in the Public Sector (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 432; however, honors students will complete advanced coursework.

SPEA-V 434 NGO Management for International Development (3 cr.) Coursework prepares students for employment in international development. It covers a range of theoretical material and practical skills, answering questions like: What role do NGOs play in developing

countries? How do we define and measure NGO success or failure? How do NGOs fundraise, plan, evaluate and collaborate on programs?

SPEA-V 435 Negotiation and Alternative Dispute Resolution (3 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.

SPEA-S 435 Honors—Negotiation and Alternative Dispute Resolution (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 435; however, honors students will complete advanced coursework.

SPEA-V 436 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 for effective communication as professionals.

SPEA-S 436 Honors—Communication for Government and Nonprofit Organizations (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA#V 436; however, honors students will complete advanced coursework.

SPEA-V 437 Public Transportation (3 cr.) The class will explore the basis of passenger transportation, including the models of bus, rail, paratransit, and taxi. Passenger Transportation Management Elements: Human Resources, Finance, Operations, Scheduling, Maintenance and Planning. Federal Policy; Program funding options: policy development, Interagency programs, and the Federal Authorization process. Mobility options: volunteer programs, car sharing, ridesharing and coordinated programs.

SPEA-V 438 Mass Media and Public Affairs (3 cr.) Course analyzes the role of the media in the formation of public policy, including the responsibility of journalists, legal and ethical constraints, business pressures and their effects, impact of technology, and similar issues.

SPEA-V 439 Debates in Public Finance (3 cr.) P: SPEA-V 371 or SPEA-V 372 or permission of instructor. This course familiarizes students with the tools required to objectively analyze the potential impacts of various government policies. It covers important policies at the federal, state and local levels of government including income, sales taxes and property taxes, and mandatory and discretionary spending. Debt administration is also included.

SPEA-V 441 Topics in Financial Management and Policy (3 cr.) P: SPEA-V 372. Various topics focusing on financial management and policy are examined in state and local settings. May be repeated for credit.

SPEA-V 442 Topics in Budgeting or Cost-Benefit (3 cr.) P: SPEA-V 372. Various topics in budgeting or cost-benefit analysis are examined. Course may be repeated for different topics.

SPEA-V 443 Managing Workforce Diversity (3 cr.) The composition and nature of the workforce 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.

SPEA-V 444 Public Administrative Organization (3 cr.) A review of research findings and analysis of the operation of public agencies and their performance.

SPEA-V 447 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, on the White House, and on the Office of Management and Budget in the executive branch. Selected major policy areas will be considered.

SPEA-V 449 Senior Policy Seminar (3 cr.) 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.

SPEA-V 450 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.

SPEA-V 451 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.

SPEA-V 456 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.

SPEA-V 458 Fund Development for Nonprofit Organizations (3 cr.) Course builds an understanding of the practice, philosophy, law, and theory of fundraising. Students establish an organization's value base and mission, prepare funding appeals, evaluate readiness for a campaign, assess funding sources, implement fundraising vehicles, evaluate effectiveness, and discuss stewardship of contributions.

SPEA-V 460 Intergovernmental Relations (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.

SPEA-V 461 Computer Applications in Public Affairs (3 cr.) P: BUS-K 201. 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.

SPEA-V 462 Community Development (3 cr.) The process and outcomes of local citizen-based efforts to improve social, economic, and cultural conditions.

Interaction of public and nonprofit sectors in community revitalization. Experiences, cases, and problems involving both rural and urban settings.

SPEA-V 463 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.

SPEA-S 463 Honors—Interpersonal Relations in the Workplace (1-4 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-V 463; however, honors students will complete advanced coursework.

SPEA-V 465 Geographic Information Systems for Public and Environmental Affairs (3 cr.) Students will learn the concepts, methodologies, and perspectives essential for using geographic information systems (GIS) to address critical public affairs issues. Through course projects, students will learn how to use desktop and Internet-based GIS applications and will develop complementary skills related to designing and implementing GIS applications for public-sector organizations.

SPEA-V 470 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.

SPEA-V 471 Urban Management Systems (3 cr.) 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.

SPEA-V 473 Management, Leadership, and Policy (3 cr.) P: SPEA-V 236 Management Concepts and Applications I and SPEA-V 336 Management Concepts and Applications II for Bloomington only; P: SPEA-K 300 and SPEA-V 370 for Indianapolis only. This course seeks to integrate learning across the public affairs curriculum. Students will review and reflect about their learning in management, leadership, and policy. Experiential methods—service learning, projects, cases, and exercises—will be used to help students apply theory, concepts, and skills.

SPEA-V 475 Database Management Systems (3 cr.) P: SPEA-V 261, V 369, or equivalent. Students learn contemporary theories and methodologies regarding design, use, and management of database systems among public-sector organizations. The course provides hands-on experience with tools such as entity-relationship diagrams, query languages, database management software; and an understanding of critical database management issues such as security, backup, and recovery.

SPEA-V 476 Compensation Strategy and Systems (3 cr.) P: SPEA-V 373. The purpose of this course

is to understand the complexity behind successful compensation systems that link organizations to the people they employ. Students will study topics of direct and indirect compensation, internal and external pay equity, and theories of public service motivation and how they apply to the three sectors.

SPEA-V 477 Strategic Human Resource Management (3 cr.) P: SPEA-V 373. This class covers the fundamental elements of Strategic Human Resource Management. The course builds on students' foundations of knowledge of HR methods and practices from the perspective of managers and practitioners working in the public and non-profit sectors.

SPEA-V 478 Employment Law for Human Resource Management (3 cr.) P: SPEA-V 220. This course focuses on employment laws that are relevant to the Human Resource Manager. Students will study employment laws and court cases that will provide them with the practical legal knowledge they need as a future HR professional working in the public and/or non-profit sectors.

SPEA-V 479 Employee Recruitment and Selection in the Public Sector (3 cr.) P: SPEA-V 373. This course will provide an in-depth examination of organizational staffing process in the public sector but is also relevant to the private and non-profit sectors. Effective employee selection and talent utilization for increasing organizational effectiveness will be covered. Other topics include the planning process, retention, and identifying talent.

SPEA-V 482 Overseas Topics in Public Affairs (0-15 cr.) SPEA Abroad Program: Study of selected topics in public affairs. Topics vary from semester to semester. May be repeated for credit.

SPEA-V 490 Directed Research in Public and Environmental Affairs (0-3 cr.) To be arranged with the individual instructor and approved by the chairperson of the undergraduate program. May be repeated for credit.

SPEA-V 491 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.

SPEA-V 499 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.

Healthcare Management and Policy

SPEA-H 124 Overview of the U.S. Healthcare System (3 cr.) Bloomington only. 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.

SPEA-S 124 Honors—Overview of the U.S. Healthcare System (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 124; however, honors students will complete advanced coursework.

SPEA-H 126 Introduction to Careers in Health Administration (1 cr.) Introduces students to different careers and opportunities in the field of health care administration.

SPEA-H 267 Career Development and Planning (1-3 cr.) P: SPEA-H 124. (BSPH Bloomington students only.) Course highlights include: identification of work values and personality preference, career research assignments, networking assignments designed to prepare students for contact with employers, in-depth tutorial and feedback concerning how to craft a marketable resume and cover letter, and development of an overall career development plan.

SPEA-H 316 Environmental Health Science (3 cr.) P: SPEA-H 124 or permission of instructor. A study of human interaction with the environment and potential impacts of environmental agents on health and safety. Hazards from natural sources and human activities that contaminate our air, land, water, food, homes, neighborhoods, and workplaces are examined. Environmental control activities, including pollution control technology and policy, are also examined.

SPEA-S 316 Honors—Environmental Health Science (3 cr.) P: SPEA-H 124 or SPEA-S 124 Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 316; however, honors students will complete advanced coursework.

SPEA-H 321 Healthcare Policy in the 21st Century: An Inside View (3 cr.) An Introduction to health policy in the United States for IU in DC students, including how health policy is made, implemented, and reformed. Students will engage in discussion, analysis and critique of various health policies and are expected to bring insights from their internships into the classroom discussions.

SPEA-H 322 Principles of Epidemiology (3 cr.) P: SPEA-H 124 or permission of instructor. 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.

SPEA-H 324 Health Policy (3 cr.) P: SPEA-H 124 or permission of instructor. This course will focus on current health policy issues within the context of the U.S. health care system. The course will familiarize students with the political environment of public policy, introduce major health care policy perspectives, and apply those analytical models to a series of health policy issues.

SPEA-S 324 Honors—Health Policy (3 cr.) Course covers same material as SPEA-H 324; honors students will complete advanced coursework.

SPEA-H 341 Legal Aspects of Health Care Administration (3 cr.) P: SPEA-H 124 or permission of instructor. An overview of the liability and legal responsibility, as well as legal recourse, that healthcare 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/ healthcare facility environment, such as third-party payments and federal assistance.

SPEA-S 341 Honors—Legal Aspects of Health Care Administration (3 cr.) P: SPEA-H 124. Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 341; however, honors students will complete advanced coursework.

SPEA-H 342 Community Health Education (3 cr.) P: SPEA-H 124 or permission of instructor. 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.

SPEA-H 350 Fundamentals of Healthcare Financial Management (3 cr.) P: SPEA-H 124. Presents a broad overview of healthcare finance, focusing on tasks that are essential to the operational management of healthcare services, including estimating costs and profits, planning and budgeting, analyzing new equipment purchases, using metrics to monitor operations, and working with financial statements.

SPEA-H 352 Healthcare Financial Management I (3 cr.) P: SPEA-H 124 or permission of instructor. First of a two-course sequence on the financial management of health care organizations; introduces financial environment of providers and concepts of financial accounting critical to decision-making. Topics include financial statement analysis (specific emphasis on unique features of health care financial statements), accounting and managerial control of cash, accounts receivable, inventory, and budgeting.

SPEA-H 353 Healthcare Financial Management II (3 cr.) P: SPEA-H 352. Course focus is financial management of health care organizations; assessing critical decision-making concepts in managerial accounting and finance. Topics include evaluation of capital investments, financing sources, managerial accounting including cost behavior, profit analysis, and incremental analysis, reimbursement under various third-party payer environments, cost allocation and government reporting.

SPEA-S 353 Honors—Advanced Health Finance and Budgeting (3 cr.) Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 353; however, honors students will complete advanced coursework.

SPEA-H 354 Health Economics (3 cr.) P: SPEA-H 124 (or permission of instructor) and ECON-E 201. Health economics studies the behavior of individuals, private and public employers, health care providers, and the government in decisions made within the health sphere. It applies microeconomics tools (including data analysis) to understand personal health behaviors, health care markets, health insurance systems, and health policies.

SPEA-H 365 Health Services Practicum (1-3 cr.) P: SPEA-H 124 or permission of instructor. The Health Services Practicum will consist of a personal career-planning component coupled with weekly field visits to health care agencies in central Indiana. Students must perform satisfactorily in both parts of the practicum to receive a passing grade.

SPEA-H 374 Health Management Ethics (3 cr.) P: SPEA-H 124 or permission of instructor. This course examines health care ethical decision making challenges from the managerial perspective and explores broader policy issues associated with ethical problems in health care institutions. It provides an overview of general theories of ethical challenges in everyday managerial activities.

SPEA-S 374 Honors—Health Management Ethics (3 cr.) P: SPEA-H 124. Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 374 ; however, honors students will complete advanced coursework.

SPEA-H 401 Strategic Planning in Health Organizations (3 cr.) P: SPEA-H 353 (or concurrent). 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.

SPEA-H 402 Hospital Administration (3 cr.) P: SPEA-H 124 or permission of instructor. 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.

SPEA-H 403 Pharmaceutical Industry and Public Policy (3 cr.) P: SPEA-H 124 or permission of instructor. This course provides an overview of the pharmaceutical industry, its stakeholders and the key policy issues facing this industry. The course will focus on firms that operate in the traditional chemical pharmaceutical industry, biotechnology and medical devices. The course perspective is global, with an emphasis on the U.S. as the largest and most profitable market.

SPEA-H 411 Chronic and Long-Term Care Administration (3 cr.) P: SPEA-H 124 or permission of instructor. Administering programs across the continuum of care including nursing homes, hospice, home health, and assisted living; Medicare and Medicaid financing; quality improvement; care management; and needs of special populations, particularly vulnerable elders.

SPEA-H 428 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.

SPEA-H 432 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.

SPEA-H 455 Topics in Public Health (1-3 cr.) Extensive discussion of selected topics in public health. The topic may change from semester to semester, based on resource availability and student demand. May be repeated for credit.

SPEA-H 456 Healthcare Reimbursement (3 cr.) P: SPEA-H 353 (or concurrent). This course offers students a practical foundation in the systems and structures used to pay for healthcare delivery in the United States. The course is designed to provide students with the required knowledge and skills needed to succeed in entry-level positions within the healthcare setting, including provider organizations, health insurers, medical suppliers and public healthcare financing agencies.

SPEA-S 456 Honors—Healthcare Reimbursement (3 cr.) P: SPEA-H 353 (or concurrent). Requires consent of SPEA Honors advisor. Course covers same content as SPEA-H 456; however, honors students will complete advanced coursework.

SPEA-H 459 Environmental Science and Health Data Analysis (3 cr.) P: SPEA-H 316; SPEA-K 300; 1 semester of chemistry. Provides students with an understanding of the 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.

SPEA-H 466 Public Health Field Experience (1-6 cr.) P: SPEA-H 124. 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 students' areas of concentration. Students will be required to fulfill a minimum of 120 hours of professional relevant work.

SPEA-H 472 Applied Health Care Administration (3 cr.) P: SPEA-H 124 and senior standing. This course is a study of the complexities of multi- institutional arrangements and integrated services in the U.S. health care industry. The focus is applying management skills to and making comparisons of the current driving forces among health care delivery system components.

SPEA-H 474 Health Administration Ethics Seminar (3 cr.) This course examines healthcare ethical decision making challenges from managerial perspective and explores broader policy issues associated with ethical problems in healthcare institutions. It provides an overview of general theories of ethical challenges in everyday managerial activities.

SPEA-H 491 Directed Research in Public Health — Honors (3 cr.) This is an intensive research course for undergraduate public health majors in SPEA's Honors Program. The course focuses on theories, concepts, and case material selected by the student in consultation with a faculty member. Key research products for the course may include a substantial research paper or institutional analysis.

SPEA-H 492 Global Health Issues and Management (3 cr.) An overview of the theoretical underpinnings of, and current issues within, global health management. Topics include the impact of globalization on disease, health organization, program management, management of humanitarian events, and health system planning. The necessity of collective obligation and action for global health will be a recurring theme.

SPEA-H 499 Honors Thesis (3 cr.) Required of SPEA Honors Program students. Research and paper to be arranged with individual instructor and approved by the Director of Undergraduate Programs.

Faculty

Current Faculty

- ABHYANKAR, AMBASSADOR RAJENDRA, M.A. (University of Delhi, 1966), Professor of Practice of Public and Environmental Affairs (IUB)
- AFOAKU, OSITA, Ph.D. (Washington State University, 1991), Clinical Professor of Public and Environmental Affairs (IUB)
- ALEXEEV, ALEXANDER, M.P.A./M.S.E.S. (Indiana University, 2003), Visiting Research Scientist of Public and Environmental Affairs (IUB)
- AMSLER, LISA, J.D. (University of Connecticut, 1979), Keller-Runden Chair in Public Service; Professor of Public and Environmental Affairs (Graduate School) (IUB)
- ATTARI, SHAHZEEN, Ph.D. (Carnegie Mellon University, 2009), Assistant Professor of Public and Environmental Affairs (IUB)
- AUDRETSCH, DAVID, Ph.D. (University of Wisconsin, 1980), Ameritech Chair of Economic Development; Director, Institute for Development Strategies; Director, Institute for European Studies; Distinguished Professor of Public and Environmental Affairs; Adjunct Professor of Geography (Graduate School) (IUB)
- AVELLANEDA, CLAUDIA N., Ph.D. (Texas A&M University, 2007), Associate Professor of Public and Environmental Affairs (IUB)
- BAGGETTA, MATTHEW, Ph.D. (Harvard University, 2009), Assistant Professor of Public and Environmental Affairs (IUB)
- BARNES, A. JAMES, J.D. (Harvard University, 1967), Dean, School of Public and Environmental Affairs, 1988-2000; Professor of Public and Environmental Affairs; Adjunct Professor of School of Law (Graduate School) (IUB)
- BENJAMIN, LEHN, Ph.D. (Cornell University, 2004), Associate Professor of Public and Environmental Affairs; Director, Doctoral Program, IU School of Philanthropy (Graduate School) (IUPUI)
- BOWERS, ASHLEY, Ph.D. (University of Michigan, 2011), Director of Center for Survey Research; Clinical Assistant Professor of Public and Environmental Affairs (IUB)
- BRASS, JENNIFER, Ph.D. (University of California-Berkeley, 2010), Assistant Professor of Public and Environmental Affairs (IUB)
- CARBONI, JULIA, Ph.D. (University of Arizona, 2012), Assistant Professor of Public and Environmental Affairs (IUPUI)
- CARSON, DENA C., Ph.D. (University of Missouri-St. Louis, 2011), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- CARTER, JEREMY, Ph.D. (Michigan State University, 2011), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- CARLEY, SANYA, Ph.D. (University of North Carolina-Chapel Hill, 2010), Associate Professor of Public and Environmental Affairs (IUB)
- CATE, BETH, M.A.J.D. (Harvard Law School, 1991), Associate Professor of Public and Environmental Affairs (IUB)
- CLARK, MELISSA, M.A. (Indiana University, 1999), Senior Lecturer of Public and Environmental Affairs (IUB)
- CRAFT, CHRISTOPHER, Ph.D. (North Carolina State University, 1987), Director, Ph.D. Program in Environmental Science; Janet Duey Professor in Rural Land Policy; Professor of Public and Environmental Affairs (Graduate School) (IUB)
- CURLEY, CALI, Ph.D. (Florida State University, 2014), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- DANIEL, JAMIE LEVINE, Ph.D. (Ohio State University, 2014), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- DELONG, BRIAN, M.A. (Wake Forest University, 2008), Lecturer of Public and Environmental Affairs; IU Debate Coach (IUB)
- DESAI, SAMEEKSHA, Ph.D. (George Mason University, 2008), Assistant Professor of Public and Environmental Affairs (IUB)
- DICKSON, TIMOTHY, Ph.D. (University of Missouri-St. Louis, 2015), Visiting Assistant Professor of Public and Environmental Affairs (IUPUI)
- DUMORTIER, JEROME, Ph.D. (Iowa State University, 2011), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- DUNCAN, DENVIL, Ph.D. (Georgia State University, 2010), Assistant Professor of Public and Environmental Affairs (IUB)
- DUNNING, JEREMY D., Ph.D. (University of North Carolina, 1978), Professor of Public and Environmental Affairs (part time); Professor of Geological Sciences (Graduate School) (IUB)
- EDWARDS, MICHAEL, Ph.D. (North Dakota State University-Fargo, 1999), Clinical Assistant Professor of Public and Environmental Affairs; Clinical Assistant Professor of Chemistry (IUB)
- FERNANDEZ, SERGIO, Ph.D. (University of Georgia- Athens, 2004), Director, Ph.D. in Public Policy and Public Affairs; Assistant Professor of Public and Environmental Affairs (Graduate School) (IUB)
- FLEURIMOND, VLADIMIR, Ph.D. (Georgia State University, 2015), Visiting Assistant Professor of Public and Environmental Affairs (IUPUI)
- FOLEY, WILLIAM Jr., Ph.D. (Indiana University, 2005), Lecturer of Public and Environmental Affairs (IUPUI)
- FREEDMAN, SETH, Ph.D. (University of Maryland, 2010), Assistant Professor of Public and Environmental Affairs (IUB)
- FRY, VICKIE A., B.S. (Indiana University, 1999), Lecturer of Public and Environmental Affairs (IUB)
- FULTON, BRAD R., Ph.D. (Duke University, 2015), Assistant Professor of Public and Environmental Affairs (IUB)
- GARCIA, CRYSTAL, Ph.D. (University of California, 1996), Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- GAZLEY, BETH, Ph.D. (University of Georgia-Athens, 2004), Director, Master of the Public Affairs Program and SPEA-Connect Online MPA Program - Bloomington; Associate Professor of Public and Environmental Affairs (Graduate School) (IUB)
- GOOD, DAVID H., Ph.D. (University of Pennsylvania, 1985), Director, Transportation

- Research Center; Associate Professor of Public and Environmental Affairs (Graduate School) (IUB)
- GRAHAM, JOHN D., Ph.D. (Carnegie-Mellon University, 1983), Dean, School of Public and Environmental Affairs; Professor of Public and Environmental Affairs (Graduate School) (IUB)
 - GROMMON, ERIC, L., Ph.D. (Michigan State, 2010), Assistant Professor of Public and Environmental Affairs (IUPUI)
 - GRONBJERG, KIRSTEN, Ph.D. (University of Chicago, 1974), Associate Dean, Bloomington; Professor of Public and Environmental Affairs; Efromson Chair in Philanthropy; Adjunct Professor of Philanthropic Studies (Graduate School) (IUB/IUPUI)
 - GRUENEWALD, JEFF, Ph.D. (Michigan State University, 2009), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
 - GRUNDMANN, DANIEL, M.B.A. (Western Governors University, 2015), Lecturer of Public and Environmental Affairs (IUB)
 - HEIM, BRADLEY, Ph.D. (Georgia State University, 2010), Associate Professor of Public and Environmental Affairs (IUB)
 - HENSHEL, DIANE, Ph.D. (Washington University, 1987), Associate Professor of Public and Environmental Affairs (Graduate School) (IUB)
 - HERROLD, CATHERINE, Ph.D. (Duke University, 2013), Assistant Professor, IU Lilly Family School of Philanthropy; Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
 - HERZIG, MONICA, D.M.E. (Indiana University, 1997), Senior Lecturer of Public and Environmental Affairs (IUB)
 - HITES, RONALD A., Ph.D. (Massachusetts Institute of Technology, 1968), Director, Environmental Science Research Center; Distinguished Professor of Public and Environmental Affairs; Distinguished Professor of Chemistry (part time) (Graduate School) (IUB)
 - HOLLINGSWORTH, ALEX, Ph.D. (University of Arizona, 2015), Assistant Professor of Public and Environmental Affairs (IUB)
 - HUGHES, CHERYL K., M.B.A. (Indiana Wesleyan University, 2002), Lecturer of Public and Environmental Affairs (IUB)
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 - JOHNSON, CRAIG, Ph.D. (State University of New York at Albany, 1993), Associate Professor of Public and Environmental Affairs (Graduate School) (IUB)
 - JOHNSON, SARA M., M.H.A, F.A.C.H.E. (Indiana University, 1988), Director, Executive Education; Clinical Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
 - KARRAGAC, JOHN, Ph.D. (Johns Hopkins University, 1977), Lecturer of Public and Environmental Affairs (IUB)
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 - KONISKY, DAVID M., Ph.D. (Massachusetts Institute of Technology, 2006), Associate Professor of Public and Environmental Affairs (IUB)
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 - LEVIN, MARK M., M.P.A. (Kent State University, 1970), Clinical Associate Professor of Public and Environmental Affairs (IUB)
 - LITTLEPAGE, LAURA, M.P.A. (New York University, 1982), Clinical Lecturer of Public and Environmental Affairs (IUPUI)
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 - LUPTON, SUZANNE W., Ph.D. (Indiana University Purdue University Indianapolis, ABD), J.D. (Indiana University School of Law, Indianapolis, 1991), Director of Academic Affairs (IUPUI); Clinical Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
 - LUZAR, JANE E., Ph.D. (Virginia Polytechnic Institute and State University, 1986) Founding Dean, IUPUI Honors College; Professor of Public and Environmental Affairs (IUPUI)
 - LYONS, ALVIN, Ph.D. (Indiana University, 2009), Lecturer of Public and Environmental Affairs (IUB)
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 - MERETSKY, VICKY, Ph.D. (University of Arizona/Tucson, 1995), Director, Master of Science in Environmental Science Program - Bloomington; Associate Professor of Public and Environmental Affairs; (Graduate School) (IUB)

- MERRITT, CULLEN C., Ph.D. (University of Kansas, 2014), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
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- PIROG, MAUREEN A., Ph.D. (University of Pennsylvania, 1981), Co-Director, Institute for Family and Social Responsibility; Rudy Professor of Policy Analysis; Professor of Public and Environmental Affairs (Graduate School) (IUB)
- PLATER, WILLIAM M., Ph.D. (University of Illinois, 1973), Chancellor's Professor; Director, International Community Development; Professor of English; Professor of Philanthropic Studies; Professor of Informatics; Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
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- RICHARDS, KENNETH R., Ph.D. (Wharton School, University of Pennsylvania, 1996), Associate Professor of Public and Environmental Affairs (Graduate School) (IUB)
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- RUTHERFORD, AMANDA N., Ph.D. (Texas A&M University, 2015), Assistant Professor of Public and Environmental Affairs (IUB)
- SADIQ, ABDUL-AKEEM, Ph.D. (Georgia State-Georgia Tech, 2009), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
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- SHAW, JOSEPH, Ph.D. (University of Kentucky, 2001), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUB)
- SHEPARD, RANDALL, J.D. (Yale Law School, 1972), LL.M. (University of Virginia Law School, 1995), Executive in Residence, IU Public Policy Institute (IUPUI); Distinguished Visiting Professor of Public and Environmental Affairs and IU Robert H. McKinney School of Law (Graduate School) (IUPUI)
- SIDDIKI, SABA N., Ph.D. (University of Colorado Denver, 2011) Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)

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- SIMON, KOSALI, Ph.D. (University of Maryland at College Park, 1999), Herman B. Wells Endowed Professor; Professor of Public and Environmental Affairs (IUB)
- STEVENS, PHILLIP, Ph.D. (Harvard University, 1990), Rudy Professor of Public and Environmental Affairs; Adjunct Associate Professor of Geography (Graduate School) (IUB)
- STUCKY, THOMAS D., Ph.D. (University of Iowa, 2001), Director, Faculty Development and Online Initiative; Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- SUNDT, JODY, Ph.D. (University of Cincinnati, 1998), Associate Dean of Graduate and Executive Education (Graduate School) (IUPUI)
- TILLOTSON, STEPHEN E., Ph.D. (Indiana University, ABD), Visiting Assistant Professor of Public and Environmental Affairs (IUPUI)
- TRAN, ANH, Ph.D. (Harvard University, 2009) Associate Professor of Public and Environmental Affairs (IUB)
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- WANG, WEN, Ph.D. (Syracuse University, 2006), Assistant Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
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- WILKERSON, MICHAEL, M.F.A. (Johns Hopkins University, 1980), Director, Arts Administration, Lecturer of Public and Environmental Affairs (IUB)
- WING, COADY, Ph.D. (Syracuse University, 2010), Assistant Professor of Public and Environmental Affairs (IUB)
- ZIROGIANNIS, NIKOLAOS, Ph.D. (University of Massachusetts-Amherst, 2013), Visiting Assistant Scientist of Public and Environmental Affairs (IUB)
- ZORN, CHARLES KURT, Ph.D. (Syracuse University, 1981), Vice Provost for Undergraduate Education; Professor of Public and Environmental Affairs (Graduate School) (IUB)

Faculty Emeriti

Emeriti Faculty

- AGRANOFF, ROBERT, Ph.D. (University of Pittsburgh, 1967), Professor Emeritus of Public and Environmental Affairs (IUB)
- BAKER, RANDALL, Ph.D. (University of London, England, 1968), Professor Emeritus of Public and Environmental Affairs (IUB)
- BAUMER, TERRY L., Ph.D. (Loyola University of Chicago, 1980), Emeritus Executive Associate Dean, Emeritus Indianapolis Programs; Emeritus Associate Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
- BIELEFELD, WOLFGANG, Ph.D. (University of Minnesota, 1990), Director Emeritus, SPEA-IUPUI Overseas Education and Programs; Professor Emeritus of Public and Environmental Affairs (Graduate School) (IUPUI)
- BONSER, CHARLES F., D.B.A. (Indiana University, 1965), Dean Emeritus and Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Business Administration (IUB)
- BUHNER, JOHN C., Ph.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Political Science (IUPUI)
- DECOSTER, THOMAS A., Ph.D. (University of Notre Dame, 1968), Professor Emeritus of Public and Environmental Affairs (IUPUI)
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- HAITJEMA, HENK M., Ph.D. (University of Minnesota, 1982), Director Emeritus Ph.D. Program in Environmental Science; Director Emeritus Master of Science in Environmental Science Program; Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Geological Sciences (part-time); Adjunct Associate Professor Emeritus of Geology (Graduate School) (IUB/IUPUI)
- HERBERT, ADAM W., Ph.D. (University of Pittsburgh, 1971), President Emeritus of Indiana University; Professor Emeritus of Public and Environmental Affairs (IUB)
- HOOLE, FRANCIS W., Ph.D. (Northwestern University, 1971), Professor Emeritus of Political Science; Professor Emeritus of Public and Environmental Affairs (IUB)
- JOHNSON, CARLYN E., J.D. (Indiana University, 1963), Professor Emeritus of Public and Environmental Affairs (IUPUI)
- JONES, WILLIAM W., M.S. (University of Wisconsin, 1977), Clinical Associate Professor Emeritus of Public and Environmental Affairs (IUB)
- JUMPER, ROY, Ph.D., (Duke University, 1955), Professor Emeritus of Public and Environmental Affairs (IUB)
- LEHNEN, ROBERT G., Ph.D. (University of Iowa, 1968), Professor Emeritus of Public and Environmental Affairs (IUPUI)
- LENKOWSKY, LESLIE, Ph.D. (Harvard University, 1982), Emeritus Professor of Practice of Public and

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- MCGREGOR, EUGENE B., Jr., Ph.D., (Syracuse University, 1969), Professor Emeritus of Public and Environmental Affairs (IUB)
 - MCHUGH, GERALD J., D.B.A. (George Washington University, 1973), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
 - MENDELSON, ROBERT I., Ph.D. (Michigan State University, 1970), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
 - MILLER, THEODORE K., Ph.D. (University of Iowa, 1970), Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Geography (IUB)
 - O'MEARA, PATRICK, Ph.D. (Indiana University, 1970), Professor Emeritus of Public and Environmental Affairs; Emeritus Vice President International Affairs; Emeritus Professor of Political Science (Graduate School) (IUB)
 - OSTER, CLINTON V., Jr., Ph.D. (Harvard University, 1977), Professor Emeritus of Public and Environmental Affairs (IUB)
 - PARKHURST, DAVID F., Ph.D. (University of Wisconsin, 1970), Professor Emeritus of Public and Environmental Affairs (IUB)
 - PARKS, ROGER B., Ph.D. (Indiana University, 1979), Professor Emeritus of Public and Environmental Affairs (IUB)
 - PATTERSON, D. JEANNE, D.B.A. (Indiana University, 1967), Associate Professor Emeritus of Public and Environmental Affairs (IUB)
 - PERRY, JAMES L., Ph.D. (Syracuse University, 1974), Director Emeritus, Online Education; Distinguished Professor Emeritus of Public and Environmental Affairs (Graduate School) (IUB)
 - PEVA, JAMES R., J.D. (Indiana University, 1961), Associate Professor Emeritus of Public and Environmental Affairs (IUPUI)
 - PLATER, WILLIAM M., Ph.D. (University of Illinois, 1973), Chancellor's Professor; Director, International Community Development; Professor of English, Professor of Philanthropic Studies; Professor of Informatics; Professor of Public and Environmental Affairs (Graduate School) (IUPUI)
 - RANDOLPH, JAMES C., Ph.D. (Carleton University, Canada, 1972), Director Emeritus, Center for Research in Energy and the Environment; Director Emeritus, Geographic Information Systems Laboratory; Professor Emeritus of Public and Environmental Affairs; Professor Emeritus of Biology (part-time) (Graduate School) (IUB)
 - RHODES, EDUARDO L., Ph.D., (Carnegie Mellon University, 1978), Professor Emeritus of Public and Environmental Affairs (IUB)
 - RUBIN, BARRY M., Ph.D. (University of Wisconsin-Madison, 1977), Director Emeritus, Instructional and Informational Technology; Professor Emeritus of Public and Environmental Affairs (Graduate School) (IUB)
 - SHIN, ROY W., Ph.D. (University of Minnesota, 1969), Professor Emeritus of Public and Environmental Affairs (IUB)
 - VILARDO, FRANK J., Dr.P.H. (University of North Carolina, 1971), Associate Professor Emeritus of Public and Environmental Affairs (IUB)
 - WISE, CHARLES R., Ph.D. (Indiana University, 1972), Professor Emeritus of Public and Environmental Affairs (IUB)
 - WISE, LOIS, R., (Indiana University, 1982), Director Emeritus, West European Studies and European Union Center of Excellence; Professor Emeritus of Public and Environmental Affairs (Graduate School) (IUB)