Doctoral Minor: Policy Analysis for Biomedical Sciences  
SPEA Minor Advisor: Doug Noonan, PhD

Minor Description
The doctoral minor in policy analysis for biomedical science is a 12 credit hour minor designed to provide Ph.D. students in the IUSM Graduate Division and any program throughout IU the opportunity to learn more about the fundamentals of policy analysis for those individuals pursuing a career in science policy (policy development, advocacy, and lobbying, for example). This program blends classroom learning opportunities offered by the IU School of Public and Environmental Affairs (SPEA) and a practicum that allows students to integrate this knowledge with their scientific training into a science policy context.

Plan of Study

Required Courses (6 credits total):
- SPEA-V512 – Public Policy Process
- SPEA-V663 – Policy Analysis

Choose one of the following courses (3 credits total):
- SPEA-V507 – Data Analysis and Modeling for Public Affairs
- SPEA-V562 – Public Program Evaluation
- SPEA-V654 – Public Program Management and Contracting

Required Practicum (3 credits total):
- GRDM-G792 – Practicum for Biomedical Sciences

Admission Requirements
To be admitted to the Ph.D. minor in Policy Analysis for Biomedical Sciences, you must be a currently enrolled doctoral student in good academic standing in any IU or IUPUI school.

Application Procedure
Students who would like to apply to the Ph.D. minor in the Business of Biomedical Sciences, must contact the IUSM Graduate Division office at gradism@iupui.edu and the IUSM Associate Dean for Graduate Studies, and submit the following:
- Documentation of the approval of the student’s pursuit of this minor by his/her PI and advisory committee.
- A one-page personal statement explaining the student’s reason for pursuing this minor, including the relevance of the minor to their program and goals

Accepted students will be notified as soon as possible via email by a member of the Graduate Division team.

Grading Policy
A minimum of B (3.0) is required in each course that is to count toward the minor. If a minimum of B (3.0) is not earned in a course, that course must be retaken. A course may be retaken only once. Students who fail to achieve the minimum grade of B (3.0) the second time they take a course, will not be able to earn this Ph.D. minor.

Qualifying Exam
The Ph.D minor Policy Analysis for Biomedical Sciences does not require a Qualifying Exam.
Course Descriptions – Policy Analysis for Biomedical Sciences Doctoral Minor

IUSM Graduate Division Courses
1. GRDM-G792 Practicum in Biomedical Sciences (3 cr.)
   A practicum course allowing basic science doctoral graduate students enrolled in programs (minors, etc.) that require a practicum. Permission of instructor required.

School of Public and Environmental Affairs Courses
NOTE: When registering for courses, these courses will be listed as 1-3 credit hour courses. Students in the Policy Analysis for Biomedical Science doctoral minor should always register for the 3 credit hour version

1. SPEA-V 512 Public Policy Process (3 cr.)
   An examination of the role of public affairs professionals in policy processes. Focuses on relationships with political actors in various policy areas.

2. SPEA-V663 Policy Analysis (3 cr.)
   The focus of this course is on developing practical techniques for analyzing policies. This requires (i) becoming familiar with the theoretical and conceptual tenets of policy analysis; (ii) being able to apply these tenets to real world policy issues in a structured way; and (iii) effectively communicating your work to others. This course is designed to help students master these three skills.

3. SPEA-V 507 Data Analysis and Modeling for Public Affairs (3 cr.)
P: E538 or V506. Focus on analytical models and their use in solving problems and making decisions in the public sector. Discussion of standard approaches to modeling and estimation of parameters.

4. SPEA-V 562 Public Program Evaluation (3 cr.)
   Examination of how the programs of public agencies are proposed, established, operated, and evaluated. Discussion of the role and conduct of research in the program evaluation process. In addition, techniques of effective evaluation and analysis are discussed.

5. SPEA-V 654 Public Program Management and Contracting (3 cr.)
   An examination of theories, concepts, and processes concerning multi-actor program implementation and alternative forms of service delivery. Focus will be on the problems and challenges public managers face in designing and managing contractual relationships, networks, and other complex implementation structures.