Krannert Graduate School of Management

Doctoral Programs

Purdue University
Congratulations on your interest in Purdue University’s outstanding doctoral programs in Economics, Management, and Organizational Behavior and Human Resource Management, located in the Krannert Graduate School of Management. The decision to pursue a doctoral degree reflects an exciting commitment that will expand your own intellectual capital and at the same time add to the knowledge and understanding of our world. We are pleased you are considering our programs for pursuing this academic challenge.

You should consider many factors when selecting a graduate school. The most important are the quality and reputation of its faculty members, the success of its graduates, and whether the school provides the kind of environment that will both challenge your abilities and meet your expectations.

Our faculty members are internationally recognized for their research and teaching skills. Hundreds of graduates from the Krannert doctoral programs now hold important professorships and governmental and business positions throughout the world.

Purdue University and Krannert are especially recognized for the analytical skills of graduates and the problem-solving abilities they possess. I am confident that you will find an environment here that will further develop your intellectual abilities. Our computer support and technological capabilities will provide the kind of atmosphere that will enable you to be at your productive best.

Thank you for considering Krannert. I hope that you will join us for an enriching period of intellectual growth that will culminate in a Ph.D. degree and a fulfilling professional position.

Richard A. Cosier
Dean and Leeds Professor of Management
The Krannert Graduate School of Management doctoral programs offer the opportunity to work closely with first-rate faculty in the areas of economics, management, and organizational behavior and human resource management (OBHR). The programs attract highly qualified candidates nationally and internationally with their combination of size, faculty expertise, and opportunity for advanced research and interdisciplinary study.

Research and teaching assistantships are available in all doctoral programs, as well as generous fellowships for highly qualified applicants. Doctoral students have the opportunity to make significant contributions to the research projects of research centers and individual faculty members, and to gain recognition for their work through publications, often in co-authored pieces with other students and faculty. The training prepares graduates for rewarding careers in academia or as research professionals in industry, consulting, or government.

www.mgmt.purdue.edu/programs/phd
Degree Requirements

Ph.D. students must complete a minimum of 49 credit hours in core courses and field sequences within the plan of study. You must complete five core courses in economic theory (including a preliminary theory examination covering materials in four of these courses) and three core courses in quantitative economics (including, if necessary, a preliminary quantitative examination). You are required to attend workshop seminars beginning in your second year. You must develop proficiency in three fields of specialization (three two-course field sequences), and pass preliminary examinations covering the core courses and the major field of specialization. You also must write and successfully defend a dissertation of suitable scholarly content and scope that demonstrates ability to carry out a substantial independent research project.

Each field in economics requires passing a minimum of six hours of Ph.D. courses. For a field of specialization outside of economics, six hours of Ph.D. courses also are required. A written examination in one of the economics specialization fields that you designate as your major area of interest must be passed. Prior to taking this examination, and in any event before the end of the fifth semester, you will select
the chair of the dissertation committee, who will oversee progress toward the successful completion of the dissertation.

Students typically take four years, including summer school sessions, to complete their Ph.D. studies in economics.

**Fields of Specialization**

Some of these field sequences are offered annually, while others are offered as demand dictates.

- Econometrics
- Economic Development
- Economic Education
- Economic History
- Economics of Financial Markets
- Experimental Economics
- Holistic and Critical Economics
- Industrial Organization
- Information Economics
- International Economics
- Labor Economics
- Macro-Monetary Economics
- Mathematical Economics
- Public Economics

One of the three fields of specialization can be from a related area offered by the management faculty such as:

- Accounting
- Finance
- Management Information Systems
- Marketing
- Operations Management
- Organizational Behavior and Human Resource Management
- Quantitative Methods
- Strategic Management

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**Beck A. Taylor, ’97**  
Assistant Professor of Economics  
Hankamer School of Business  
BAYLOR UNIVERSITY

I could not have imagined the challenges, opportunities, and personal relationships I would enjoy while at Purdue when I started doctoral work in economics at Krannert. Immediately after I arrived, faculty members generously involved me in research projects on which they were working. Learning to do substantive research is the hallmark of the Krannert doctoral program in economics, and faculty members are eager to have graduate students working with them on their research. Classes and seminars are small, and professors and graduate students share in a spirit of collegiality.

The Krannert Ph.D. program in economics is very quantitative, and this has benefited me greatly. While the rigorous nature of the discipline is stressed, students are also challenged to develop sound economic intuition. The combination of technical sophistication and the ability to apply those technical skills to important economic problems will immediately distinguish the Krannert student.

I am still working with faculty at Krannert. My thesis advisors and I maintain a close relationship, and they generously read my papers and offer advice. I will always cherish my years at Krannert.

... substantive research...
Workshops
During each semester after the first year in residence, students participate in workshops and seminars in their area. An average of 35 distinguished external speakers per year, as well as faculty members and students, give seminars in applied microeconomics, theory, or macro/international economics.

Required Courses
- Two microeconomic theory courses (ECON 607 and ECON 609)
- Two macroeconomic theory courses (ECON 608 and ECON 611)
- One general theory course
  This course will typically be ECON 610 [Game Theory], although another course may be substituted at the discretion of the Economic Policy Committee. (a)
- One mathematics course for economists (ECON 615)
- Three quantitative economics courses (ECON 670, ECON 671, and ECON 672)
- Six field courses
  (three sequences of two courses) Field sequences typically offered at least every other year by the economics faculty are econometrics, industrial organization, and international, information, macro/monetary, mathematical, and public economics. Other potential field sequences include applied micro, decision theory, economic history, history of economic thought, and financial economics. One sequence can be drawn from courses not offered by the economics department (e.g., finance, marketing, or accounting). (b),(c)
- Two elective courses
- Six workshops
  (second-, third-, and fourth-year students) (d)

Typical Field Sequences

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Econometrics</td>
<td>ECON 674</td>
<td>ECON 673</td>
</tr>
<tr>
<td>Experimental Economics</td>
<td>ECON 690A</td>
<td>ECON 690Y</td>
</tr>
<tr>
<td>Industrial Organization</td>
<td>ECON 620</td>
<td>ECON 621</td>
</tr>
<tr>
<td>Information Economics</td>
<td>ECON 676</td>
<td>ECON 677</td>
</tr>
<tr>
<td>International Economics</td>
<td>ECON 634/Econ 635</td>
<td>ECON 636</td>
</tr>
<tr>
<td>Macro/Money</td>
<td>ECON 635</td>
<td>ECON 630</td>
</tr>
<tr>
<td>Mathematical Economics</td>
<td>ECON 660</td>
<td>ECON 661</td>
</tr>
<tr>
<td>Public Economics</td>
<td>ECON 622</td>
<td>ECON 623</td>
</tr>
</tbody>
</table>

Course Sequence
Credit hours are indicated after course numbers.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Fall Semester</th>
<th>Spring Semester</th>
<th>Summer Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td>ECON 607 (3)</td>
<td>ECON 609 (3)</td>
<td>Elective (3)</td>
</tr>
<tr>
<td></td>
<td>ECON 608 (3)</td>
<td>ECON 611 (3)</td>
<td>ECON 699 (3)</td>
</tr>
<tr>
<td></td>
<td>ECON 615 (3)</td>
<td>ECON 671 (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ECON 670 (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Year</td>
<td>ECON 672 (3)</td>
<td>ECON 610 (3)</td>
<td>Elective (3)</td>
</tr>
<tr>
<td>Field #1 (3)</td>
<td>Field #1 (3)</td>
<td>Field #2 (3)</td>
<td>ECON 699* (3)</td>
</tr>
<tr>
<td>Field #2 (3)</td>
<td>Workshop (2)</td>
<td>Workshop (2)</td>
<td></td>
</tr>
<tr>
<td>Third Year</td>
<td>Field #3 (3)</td>
<td>Field #3 (3)</td>
<td>ECON 699* (6)</td>
</tr>
<tr>
<td>ECON 699* (7)</td>
<td>ECON 699* (7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Workshop (2)</td>
<td>Workshop (2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fourth Year</td>
<td>ECON 699 * (10)</td>
<td>ECON 699* (10)</td>
<td></td>
</tr>
<tr>
<td>Workshop (2)</td>
<td>Workshop (2)</td>
<td></td>
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</tbody>
</table>

* dissertation research

Notes:
(a) Students are permitted to substitute a course for ECON 610. This substitute course must, however, be taught by a member of the economics faculty and be formally approved as a substitute by the Economics Policy Committee prior to its being taken.
(b) Students are permitted to choose one field from a wide range of possible areas offered outside the economics department. This outside field is not necessarily restricted to management topics (e.g., accounting, finance, marketing), but can include such areas as agricultural economics, mathematics, political science, statistics, or transportation. Students must, however, obtain formal approval of unusual field sequences from the Economics Policy Committee.
(c) The two-course sequence for a field in econometrics consists of ECON 673 and a second advanced econometrics course approved by the Economics Policy Committee. The second econometrics course offered will be dictated by staffing considerations and student interest. Completing a field in econometrics is complicated by the fact that the two-course sequence typically cannot be started until after ECON 672 is taken in the fall semester of the second year. Some well-qualified students may be able to take both ECON 672 and one of the econometrics field courses at the start of their second year, and thus complete a field in econometrics during their second year. Most students seeking a field in econometrics, however, should plan on completing the econometrics field courses during their third year (as field #3).
(d) Course requirements assigned to second-year students may be different from those assigned to the third and fourth-year students in a workshop to reflect differences in experiences and course load.

One field sequence may be drawn from courses outside of economics, such as finance, represented here by Professor Charlene Sullivan.
Specific Admission Requirements
Admission to the economics doctoral program is limited to students of outstanding promise. Applicants must have completed two semesters of calculus and one semester of linear algebra, as well as have demonstrated competence in undergraduate studies.

See pages 26-28 for complete admission instructions.

Financial Aid
Most Ph.D. students are awarded graduate teaching/research assistantships or research grants, which last for the normal length of the program, conditional upon satisfactory academic performance and satisfactory performance of the duties of assistantships.

These awards are accompanied by substantial University tuition and fee remissions, significantly reducing the cost of pursuing a doctoral degree. Graduate assistants engage in assignments that develop teaching ability and the ability to apply theory and research methodology in the student’s area of specialization. Assignments involve approximately 20 hours per week; they vary according to a student’s professional aspirations, performance in prior assignments, and progress in the Ph.D. program.

Students admitted without funding do not compete with existing funded students for financial support. If a funded student withdraws from the Ph.D. program, the funds that are freed up are returned to the School for funding new students. At the end of each year, students without funding who have demonstrated academic excellence may compete with new students for financial support by petitioning the Economics Policy Committee.

See pages 16-17 for additional financial aid information.

I came to Purdue with a big bag of thoughts, observations, and questions. It was obvious from the transition process in Eastern Europe, which I watched very closely, that economic life is extremely complex. In a larger context, history, institutions, market forces, and policy decisions intertwined to alter the way these economic systems worked. How does one make sense of these complex phenomena? I had no hope to understand but, quite surprisingly for me, at the end of the five years that I spent in Purdue, I realized that I had acquired a set of tools that allowed me to navigate through that complexity. Gradually, I had learned rigor, a sense of consistency and completeness, and had developed a feeling for the important. Things started to make more sense. I acquired the confidence to participate in the public domain and share ideas of mine. Professional satisfaction therefore also came naturally. I felt very comfortable leaving Purdue.

This result was possible only because of the patience and shared expertise of my advisors. I received their experience and involvement, and I was very fortunate to share their intellectual curiosity. The program offered the opportunity for such interaction, and the faculty made sure that the opportunity was fully utilized.

...shared expertise...
Program Requirements

Identifying and analyzing problems are critical in administrative decision making. The development of these skills in the functional areas of management is an important objective of the management Ph.D. program. To meet this objective, students must fulfill course requirements in the following four areas: general managerial skills (or core), research methods, major, and related area (minor).

General Managerial Skills (Core)

To satisfy requirements in the general managerial skills (core) area, students are required to take (or receive a waiver based on equivalent master's-level courses) any four of the following six courses:

- Behavior in Organizations, OBHR 681 (2)
- Financial Accounting, MGMT 600 (2)
- Financial Management I, MGMT 610 (2)
- Marketing Management, MGMT 620 (2)
- Operations Management, MGMT 660 (2)
- Strategic Management, MGMT 650 (2)
Research Methods
Competence in research methods is seen as a defining characteristic of the program. The purpose of the research methods requirement is to prepare you to do research in any area of management. The requirements described below are minimum requirements and may be increased by the faculty in your major area.

Research Writing
Students must demonstrate competence in research writing. The exact requirements to do so are set by your area academic advisor based on an assessment of your deficiencies. To assess writing ability, many areas institute a research paper requirement to be completed during the summer following your first or second year in residence. This paper applies the material learned in research-methods courses to a specific research question in the student’s major area. Often the paper is a collaborative effort with a faculty member. A student who has been identified as requiring training in writing may be asked to participate in tutorials and labs sponsored by the Department of English.

Research Methods Topics
Students must complete a minimum of two research-methods topics out of eight available and a minimum of five research-methods courses (15 credit hours). In addition, all students are required to take at least two of the three courses required for the Applied Statistics topic. Note that students who take all three courses in the Applied Statistics topic can count this as fulfilling one of their research methods topic requirements. The research methods topics and specific courses contained within each topic must be approved by the area academic advisor. As noted above, faculty in an area may require students to take more than two research methods topics and/or more than five research-methods courses.

There is a minimum schoolwide grade-point average requirement of 3.2 on a 4.0 scale for courses taken at Purdue University to fulfill the research methods requirement. Individual areas may have higher grade-point requirements. In addition, an area may require its students to pass a preliminary exam covering the research methods topics. The research methods requirement must be satisfied before a student takes the preliminary examination in his or her major.

A waiver or substitution of a course or courses within a specific research method topic is possible with the approval of the area academic advisor and the director of doctoral programs. The research methods requirement must be fulfilled with courses distinct from courses required to fulfill the major and minor area requirements. At right are course requirements associated with each of the research topics.

Applied Statistics
Three courses are required, one from each of the following three categories, in the order listed:

CATEGORY 1
- Introduction to Mathematical Statistics* STAT 528
- Probability Theory and Mathematical Statistics ECON 670
- Statistical Inference STAT 517
- Statistical Methods STAT 511

CATEGORY 2
- Applied Regression Analysis STAT 512
- Econometrics ECON 671
- Intermediate Statistical Methodology STAT 525
- Quantitative Methods III MGMT 672

CATEGORY 3
- Applied Multivariate Analysis STAT 524
- Research Methods: Applied Multivariate Analysis MGMT 677
- Topics in Econometrics ECON 672

*Prerequisite: Intro to Probability MATH/STAT 519

Advanced Statistics/Econometrics
The total required number of courses for this topic (two or three) is determined by the student’s major area. This research methods topic has as a prerequisite the Applied Statistics research methods topic (see below). Available courses include:

- Advanced Statistical Methodology STAT 526
- Applied Multivariate Analysis* STAT 524
- Bayesian Statistics and Applied Decision Theory STAT 529
- Cross-sectional Econometrics ECON 674
- Design of Experiments STAT 514
- Mathematical Statistics I STAT 657
- Nonparametric Methods for Research MGMT 679
- Research Methods: Applied Multivariate Analysis* MGMT 677
- Time Series and Applications STAT 520
- Time Series Methods ECON 673
- Topics in Econometrics* ECON 672

* Unless used to fulfill the Applied Statistics research methods topic
Designing Laboratory and Survey Research
Two courses are required:
- Research Methods in OBHR OBHR 605
- Seminar in Research Methodologies of Industrial/Organizational Psychology PSYCH 681

Economics
To complete this research methods topic, a student is required to take ECON 607 and either one or two additional doctoral-level economics courses other than those listed under the Applied Statistics and the Advanced Statistics/Econometrics research methods topics. The required number (one or two) of elective courses beyond ECON 607 is determined by the student’s major area. Individuals without a strong mathematical background who take this research methods topic are advised to also take ECON 615.
- Price Theory ECON 607
- ECON Ph.D. Course Elective(s) (one or two courses) ECON 6__

Optimization
At least three of the following four courses are required:
- Combinatorial Optimization* IE 639
- Dynamic Programming*, † IE 633
- Integer Programming*, † IE 634
- Theoretical Foundations of Optimization* IE 635
* Prerequisite: Linear Programming IE 535 or equivalent
† Prerequisite: Stochastic Models in Operations Research IE 536 or equivalent

Mathematics
Two of the following four courses are required:
- Elements of Stochastic Processes* MATH/STAT 532
- Linear Algebra With Applications MATH 511
- Real Analysis MATH 504
- Real Analysis and Measure Theory MATH 544
* Prerequisite: Intro to Probability MATH/STAT 519

Stochastic Processes
Both of the following IE courses or both of the following MATH courses are required:
- Stochastic Service Systems* IE 539
- Stochastic Models in Operations ResearchII* IE 636
* Prerequisite: Stochastic Models in Operations Research I IE 536 or equivalent
- Stochastic Processes I MATH/STAT 638
- Stochastic Processes II* MATH/STAT 639
* Prerequisites: Probability Theory I MATH 538/STAT 538 and Probability Theory II MATH 539/STAT 539

Special Topic
To complete this research-methods topic, a student is required to take a two- or three- course research methods special topic sequence that has been formally approved by the area academic advisor. This option can be used to take advantage of new course offerings within and outside of Krannert.

... fulfilling learning experience...

After finishing my MBA degree from Syracuse University, I decided to get my doctoral degree in order to pursue a career in academia. I am very glad that I made the right decision to go to Purdue.

The curriculum of the Krannert doctoral program is very well-structured and allows flexibility for students with various academic backgrounds. After finishing the required research method courses, I was very lucky to have Prof. Robert Plante as my research advisor. The research experience with Dr. Plante was fantastic and beyond my expectations. Besides having the opportunities to work with outstanding scholars from the faculty, most doctoral students also gain teaching experience under the supervision of course coordinators. I improved my teaching and classroom management tremendously with advice that I received from my course coordinator, Prof. Iviina Popova.

The Krannert doctoral program provides a warm home where a determined student can transform himself into a well-prepared candidate for a career in academia. If you are looking for a friendly academic environment where you can absorb extensive knowledge and teaching experiences, Krannert’s doctoral programs are the ideal choice.

Robert S. Yeh, ’98
Assistant Professor of Marketing & Management Science
School of Management
SUNY-UTICA/ROME
Major Area
The purpose of a major area requirement is to ensure that you are sufficiently knowledgeable in an area to competently teach graduate-level courses in the subject, and have a sound basis for future research.

You must complete a minimum of 12 credit hours of doctoral-level courses in one of the following concentration areas: accounting, finance, management information systems, management science (applied optimization or applied statistics), marketing, operations management, quantitative methods, or strategic management. (No course waivers will be considered.) No course taken to fulfill the research methods requirement or the minor area requirement can be counted to fulfill the major area requirement.

During your first year of study, you should work closely with your area academic advisor in selecting the courses for your major.

Upon completion of the course sequence in your major, you will be required to pass a written preliminary examination to demonstrate your mastery of the broad literature in your field and your knowledge of past and current research activities.

ACCOUNTING
Specialization in accounting emphasizes training students for doing research and teaching in various areas of the field. Doctoral students are expected to develop a meaningful conceptual background in economics and finance as well as competent skills using mathematics and statistics. The program maintains a balanced emphasis on both the theoretical and empirical aspects of accounting research. Knowledge of calculus is assumed.

FINANCE
Doctoral-level courses cover theoretical models and their empirical application to problems related to corporate financing and investment decisions, security analysis, portfolio management, and derivative securities.

A required sequence of four courses is specifically designed for and limited to doctoral students. The unifying theme of this coursework is an understanding of the process of asset valuation in a competitive securities market.

MANAGEMENT INFORMATION SYSTEMS
The management information systems concentration focuses on the issues and problems related to the current and future role of computer technology in assisting the management function. Research addresses problems that arise in managing an organization’s information resources, as well as problems that arise in designing new systems.

Current research areas include theory and applications of e-commerce, infrastructure design and analysis, decision support systems, group decision support systems, expert systems, data mining, data warehousing, database management systems, economics of information systems as well as information. In addition to the coursework in fundamental areas of management such as accounting, finance, quantitative methods, and economics, students may take advanced courses in industrial engineering, computer science, electrical engineering, sociology, and psychology.

MANAGEMENT SCIENCE/QUANTITATIVE METHODS
Applied optimization explores resource allocation issues that frequently arise in managerial decision making. Doctoral seminars focus on advanced optimization applications and methodologies. Related courses are available from areas such as industrial and electrical engineering and computer sciences. Faculty collaboration with other areas of management and related engineering programs enables students to participate in research on a stimulating range of optimization applications. Current areas of faculty interest include transportation, communication, distribution, and manufacturing systems. Other application domains include auditing, scheduling, and quality control.

Applied statistics addresses managerial problems in which randomness or uncertainty complicates the decision environment. This specialization emphasizes in-depth study of the relevant methodology with the flexibility to apply these methods to any area of management. Courses from departments such as economics, statistics, and industrial engineering as well as other areas of management offer the student a rich variety of topics for applied statistics research. Faculty research interests include stochastic modeling, auditing and acceptance sampling, statistical decision theory, decision analysis, and quality control.

MARKETING
Doctoral-level courses cover theoretical models and their application to consumer behavior, organization buying behavior, pricing, product design, advertising, promotion, sales force, distribution, new product planning, marketing planning, and strategy decisions. The required sequence of four courses is specifically designed for and limited to doctoral students.

Research emphasizes application of theoretical models so that students enhance their understanding of the models as well as their knowledge of the phenomena to which models can be meaningfully applied. Faculty and doctoral candidate research has included such diverse topics as price and promotion expectations; integration of marketing, manufacturing, and engineering; stochastic models of consumer behavior; sales force management and compensation; product bundling; franchising systems; and market competition.

OPERATIONS MANAGEMENT
Operations management involves the study of managerial problems related to the design, control, and logistics of operating systems. Although production and distribution systems receive primary emphasis, other areas of study include operating systems that provide services, or produce information. Typical research topics include the design of operations planning and control systems, techniques for designing logistics systems, and applications of operations research.

The plan of study for a concentration in operations management includes an initial seminar surveying historical and current research literature. Advanced operations management seminars provide in-depth study of selected topics.
research topics. In the summer before their second year, students undertake an original research paper under faculty guidance. These courses and activities aid students in developing their specialized research area. Plans of study may also include specialized courses in industrial engineering, computer science, organizational behavior, and quantitative methods.

**QUANTITATIVE METHODS**

Probabilistic and deterministic mathematical models for solving management problems are the focus of the quantitative methods Ph.D. major. This major requires basic proficiency in probability theory, mathematical statistics, decision analysis, and mathematical programming. Advanced seminars explore selected research topics concerning quantitative methods applications to management problems. The plan of study may include mathematics, statistics, computer science and management information systems, industrial engineering, and economics courses.

**STRATEGIC MANAGEMENT**

Strategic management deals with those decisions affecting the direction and effectiveness of organizations. Emphasis is placed upon adapting firm strategy to changes in competition, industry boundaries, technology, and the general environment. Strategic decisions are global, cut across functional lines, and usually involve long-time horizons and long-term resource commitments and risks. Students typically take four semesters of seminars in strategic management. Seminar topics include business strategy, corporate strategy, processes in the formulation and implementation of strategy, theories in strategic management, and strategic management research methods.

**Minor Area**

The purpose of the minor area requirement is to build on your major area coursework and to broaden your knowledge base. You must complete a minimum of six credit hours of doctoral-level courses in a related field, chosen from accounting, finance, management information systems, management science (applied optimization or applied statistics), marketing, operations management, quantitative methods, strategic management, an area of economics, or an area of organizational behavior and human resource management.

A minor outside Krannert must be approved by the area academic advisor in your major. (No course waivers will be considered.) No course taken to fulfill the major area or research methods requirements can be counted to fulfill the minor area requirement.

As you select the courses for your minor during your first year of study, you should consult with the area academic advisor who represents your chosen minor area. These courses are subject to the approval of the area academic advisor in your major.

You will not be required to take a preliminary examination in your minor. Rather, you will satisfy your minor requirement by earning a grade of no less than ‘B’ (3.0/4.0 scale) in each of your minor courses. Your minor requirement must be satisfied before you take the preliminary examination in your major.

**Preliminary Examination**

You are required to pass a preliminary examination in your major. Before you can take this examination, you must have completed your core and research methods courses, and the approved courses in your major and minor.

Preliminary examination sessions generally will be held each May and January. You may be given an oral examination at the discretion of your preliminary examining committee.

If you fail your preliminary examination, you must retake it the next examination session. If you fail the exam a second time, you will be dropped from the program.

**Plan of Study**

By the end of the spring semester of your second year in the doctoral program, and prior to your taking the preliminary examination, you are required to submit your formal plan of study to the Purdue Graduate School for approval.

If you enter the program without equivalent coursework at the MBA level and must take core courses, this requirement will be delayed until the start of your third year of enrollment.)

*To submit a plan of study (POS), a student must:*  
- Form a POS committee composed of the student’s major professor and a minimum of two other qualified faculty members who will supervise the student’s dissertation research;  
- With help from the major professor and the other POS committee members, complete a POS that includes a list of required courses for the Ph.D. degree;  
- Receive approval of the POS by the POS committee; and  
- File the POS with the Ph.D. advising office.  
- If there are changes in the list of courses or committee membership after the plan is approved in the Graduate School, the student must submit for approval any revisions.

**Doctoral Dissertation Proposal/Dissertation Committee**

Within 12 months after passing the preliminary examination, a student must formally present, and defend, a dissertation research proposal to his or her formal dissertation committee. In keeping with Graduate School requirements, the dissertation committee shall consist of at least four members. The chairperson or at least one of the co-chairs must be from the student’s major area. At least three members must be from the Krannert graduate faculty. It is the student’s right to choose and alter the composition of the dissertation committee. However, it is the right of the faculty to decline any student’s invitation to serve as a dissertation committee member or chair.

The doctoral dissertation proposal presentation is open to other faculty and to Ph.D. students. To be accepted, a student’s research proposal is expected to represent substantial progress toward completion of a doctoral thesis along with a statement of further work to be performed. Once a student’s research proposal is accepted by his or her advisory committee, it is to
be considered a “contract” that will guide the student through the final preparation of his or her dissertation. If the research proposal is not accepted by the dissertation committee, the student may be given the opportunity to make a second attempt. However, significant delay in achieving an acceptable proposal may be cause for withdrawal from the program.

Defense of the Dissertation
A student’s public defense of his or her dissertation is required. For the dissertation, students are expected to demonstrate competence and ability to conduct research as independent scholars. Also, the dissertation is expected to be a research effort that makes a contribution to the body of knowledge it addresses. During the conduct of the dissertation, students are encouraged to consult their doctoral dissertation committee frequently. It is the student’s responsibility to keep the committee informed at all stages.

The following procedures for the dissertation defense are required.

- The dissertation must be approved by the dissertation chairperson before it is submitted to the final examining committee.
- Each member of the dissertation committee shall receive a copy of the dissertation at least two weeks before the date of the final examination. Note that any major concerns committee members may have about the dissertation are expected to be resolved before the public defense of the dissertation is scheduled.
- Written notice of the dissertation defense shall be given to Krannert faculty and students at least two weeks prior to the defense.
- Copies of the dissertation abstract shall be circulated along with a written defense announcement.
- At least one copy of the full dissertation shall be available at the Krannert library reservation desk for perusal by faculty and students.
- The defense will be conducted by the dissertation committee under the guidance of the dissertation chairperson. The defense format should allow for adequate presentation of the research work and sufficient time for questions and answers by the committee and others present. The format should also include a time when the public is excused so that the dissertation committee may ask further questions of the candidate or deliberate among themselves.
- In keeping with Graduate School regulations, only the dissertation advisory committee has the authority to vote for or against the acceptance of the dissertation. These regulations also state the decision rule to be used in determining the final outcome of the defense. Currently, for example, there may be a maximum of one dissenting vote in a successful defense of a dissertation.

Students are cautioned to familiarize themselves with the full set of School and University regulations regarding dissertation format and procedures. It is the student’s responsibility to comply with these regulations.

Specific Admission Requirements
Admission to the management doctoral program is limited to students of outstanding promise. Applicants may have varying undergraduate backgrounds, and students may be admitted with only a bachelor’s degree.

Calculus is required, as many courses use sophisticated mathematical concepts. Students are expected to have sufficient preparation in college-level mathematics and statistics (typically six semester hours) prior to enrollment.

One of the main reasons I chose the Krannert Ph.D. program was because of the quantitative reputation the School maintains. I am happy to say that the program lived up to my expectations. During my time at Purdue I was exposed, both in the classroom and through the research I conducted with my professors as a research assistant, to a wide variety of useful and challenging quantitative techniques. The skills I learned have allowed me to explore a broad range of interesting, management-relevant research topics. The pleasant surprise about Krannert was the dedication of the faculty to the students — at Krannert, Ph.D. students are treated like equals. As a Ph.D. student I was given teaching responsibilities that prepared me for a career in academia. I was also encouraged to participate in the research of my professors, who were excellent mentors and who encouraged me to think on my own while giving me the proper guidance to do so effectively. I think fondly of my days at Purdue and would recommend the Krannert Ph.D. program to anyone ready for the challenge and seeking the rewards of a top-rate education.

Carrie Heilman, ’97
Assistant Director of Marketing
Olin School of Management
WASHINGTON UNIVERSITY
Program Requirements

The OBHR doctoral program draws on coursework from a broad set of social science perspectives, such as organizational behavior, human resource management, psychology, sociology, and communication. In addition, the program emphasizes training in quantitative research methods and statistics, including coursework in theory development, regression, multivariate statistics, research methods, and field research. These courses prepare graduates to design, conduct, analyze, and report scientific research of the highest quality.

Students also benefit from the location of the program within the Krannert Graduate School of Management. Doctoral students lacking a management background will broaden their knowledge of management by taking selected courses in areas such as accounting, financial management, marketing, and strategic management. Thus, OBHR Ph.D. students receive comprehensive preparation for their courses by completing coursework in managerial skills, their major area of specialization, research methods, and in a minor area. Close working relationships with faculty are also a hallmark of the OBHR doctoral program.
Managerial Skills
The purpose of the managerial skills coursework is to introduce students to other functional areas of management or business. Students are required to take eight credit hours of coursework that provides an exposure to the functional areas of business, to the case methods of teaching, and to professional master’s education. This requirement may be waived for students with prior business training.

Research Methods
The purpose of these courses is to prepare students to do research in any topical area of OBHR. Substantial emphasis is placed on this coursework. Competence in research methods and statistics is seen as a defining characteristic of this program. The research methods and statistics core is comprised of five courses (15 credits).

A typical research sequence is:
- Research Methods, OBHR 605
- Seminar in Research Methodologies of Industrial/Organizational Psychology, PSYCH 681
- Statistical Methods, STAT 511
- Applied Regression Analysis, STAT 512
- Seminar in Quantitative Methods in Management Research, MGMT 677

Major Areas of Specialization
ORGANIZATIONAL BEHAVIOR
Specialization in organizational behavior emphasizes the individual, group, and organizational determinants of behavior in organizations. Students take 18 credit hours of courses from the OBHR department, along with psychology, sociology, and organizational communication to develop the specialized knowledge base required to conduct scholarly research. Examples of supporting courses include:
- Employee Attitudes
- Leadership
- Motivation
- Small Group Theory
- Organization Culture

In addition to these topics, faculty are involved in research in specific areas of task feedback and performance, job satisfaction, organizational commitment, socialization, leadership, and pro-social behaviors.

HUMAN RESOURCE MANAGEMENT
Specialization in human resource management emphasizes the theory and techniques behind attracting, retaining, and motivating key employee groups. Coursework (18 credit hours) taken to build the requisite knowledge base for conducting scholarly research includes:
- Collective Bargaining
- Compensation
- Human Resource Information Systems
- Staffing

Besides these topics, faculty conduct research in specific areas of industrial relations and business strategy, utility models, job search and choice, recruitment, job design, interviewing, turnover, and human resource systems.

PH.D. I ORGANIZATIONAL BEHAVIOR AND HUMAN RESOURCE MANAGEMENT

Kranert has a history and reputation that any doctoral student would be proud to own.

I decided to attend Kranert’s Organizational Behavior and Human Resource Management program primarily because the doctoral students were extremely satisfied with the research and teaching training that they received in the program. The students that the program attracts are exceptional and have gone on to do great things in the field of OBHR. Another plus is that the OBHR faculty members are well-respected and have diverse research interests. The faculty and the program prepare you to be productive researchers and faculty members, and the personal and professional development is priceless. The curriculum has prepared me to excel on many levels, and as a result I have felt both qualified and prepared to capitalize on many opportunities and challenges that I have faced while in the program and since I have graduated.

Sheryl L. Shivers, ’99
Assistant Professor of Management
School of Business and Industry
FLORIDA A&M UNIVERSITY
Minor
Students also identify a supporting area of knowledge — a minor composed of a minimum of six credit hours of doctoral-level courses. The purpose of the minor is to broaden your body of knowledge. The minor introduces you to related areas of study that can support and enrich your studies in your major areas of specialization.

Preliminary Examination
You are required to pass a preliminary examination in your major. Before you can take this examination, you must have completed your core and research methods courses, and the approved courses in your major and minor.

If you fail your preliminary examination, you may retake it the next examination session. If you fail the exam a second time, you will be dropped from the program.

Plan of Study
By the end of the spring semester of your second year in the doctoral program, and prior to your taking the preliminary examination, you are required to submit your formal plan of study (POS) to the Purdue Graduate School for approval. The POS committee is composed of the student’s major professor and a minimum of two other qualified faculty members. If there are changes in the list of courses or committee membership after the plan is approved in the Graduate School, the student must submit for approval any revisions.

Doctoral Dissertation Proposal/Dissertation Committee
Within 12 months after passing the preliminary examination, a student must formally present, and defend, a dissertation research proposal to his or her formal dissertation committee. In keeping with Graduate School requirements, the dissertation committee shall consist of at least four members. The chairperson or at least one of the co-chairs must be from the student’s major area. At least three members must be from the OBHR graduate faculty. It is the student’s right to choose and alter the composition of the dissertation committee. However, it is the right of the faculty to decline any student’s invitation to serve as a dissertation committee member or chair.

Once a student’s research proposal is accepted by his or her advisory committee, it is to be considered a “contract” that will guide the student through the final preparation of his or her dissertation. Significant delay in achieving an acceptable proposal may be cause for withdrawal from the program.

Defense of the Dissertation
A student’s public defense of his or her dissertation is required. For the dissertation, students are expected to demonstrate competence and ability to conduct research as independent scholars. Also, the dissertation is expected to be a research effort that makes a contribution to the body of knowledge it addresses. During the conduct of the dissertation, students are encouraged to consult their doctoral dissertation committee frequently. It is the student’s responsibility to keep the committee informed at all stages.

...invaluable preparation for my academic career...

The four years I spent at Krannert were incredible! I came in with high expectations but I had no idea how much I would learn in such a short period of time. Working with faculty members who excel at research and care about teaching made all the difference. My daily interactions were spent with editors and reviewers of the leading research journals in our field. Watching them allowed me to understand the importance of conducting high quality research and the importance of research in teaching cutting-edge concepts. What’s unique about Krannert isn’t just that so many leading scholars are in one location, but that these incredible individuals are accessible and willing to work with doctoral students.

I was able to apply what I learned in seminars to research starting my first year and these early projects resulted in three publications by the end of my fourth year. Many of my research collaborations are still alive and well today. My experiences at Krannert were invaluable preparation for my academic career.
Specific Admission Requirements

Admission to the doctoral program in OBHR is based on demonstrated scholastic achievement and expressed commitment to research. Historically, students in the program have had undergraduate majors in business and psychology. However, all qualified candidates are encouraged to apply.

I am very pleased that I chose to get my doctoral education at Krannert. From very early on in the program, I was actively involved with the faculty in research in both field and laboratory settings. Krannert is very well-known for its empirical research. Great emphasis was placed in the program on developing good critical-thinking skills, including both empirical and theoretical work. I believe it was largely because of the critical-thinking skills developed in the doctoral program that I started getting invitations to be on editorial review boards while still an assistant professor. I received extremely good mentoring, which is critical for a young scholar.

I always encourage prospective doctoral students to investigate where faculty at prestigious universities were educated. I have found Purdue to be well represented at top institutions. The network of friends and colleagues I developed with my fellow students and faculty in the program has been wonderful, and I still stay in contact and work on research with many of them. They have been instrumental in expanding my network.

Roger C. Mayer, ’89
Associate Professor of Management
Hankamer School of Business
BAYLOR UNIVERSITY

...instrumental in expanding my network...
Financial Aid

Fellowships to New Students
Various University fellowships are available to new students, such as the Purdue Presidential Distinguished Graduate Fellowship and the Andrews Doctoral Fellowship. In addition, the Krannert Doctoral Program offers generously funded fellowships for highly qualified new students. Fellowships generally are awarded on a competitive basis using academic promise and performance as a guide toward nomination. A monthly stipend is allotted to recipients of fellowships for the duration of their award. Students holding fellowships receive remission of tuition and all fees except for a small graduate staff rate each semester.

Supplemental Awards to New Students
Starting in fall 2000, there were on average ten $10,000 supplemental awards made to high-quality entering Ph.D. students who demonstrate the potential to be outstanding teachers. Those receiving these awards will have the standard four-year graduate assistantship funding commitment increased by $10,000. Such supplemental awards, along with the new Krannert fellowships, are an indication of the importance that the deans and faculty place on the Ph.D. programs at Purdue.

Teaching Awards for Continuing Students
To promote and recognize outstanding teaching, Krannert grants awards to doctoral students using the following procedure:

First, a Certificate for Distinguished Teaching is given each semester to the top three (in each of the fall and spring semesters) and two (in the summer semester) Ph.D. teaching assistants, based on the criteria described below. Awards are given to at least one economics student and at least one management (including OBHR) student each semester. In addition to a written letter of recognition from the Krannert dean’s office, each recipient receives a monetary award. Award recipients are honored at a luncheon given each semester by the dean’s office and recognized at the dinner in honor of Ph.D. students held during orientation the following fall.

Second, a Certificate of Recognition for Teaching Excellence is given each semester to the three runners-up in each of the fall and spring semesters and the two runners-up in the summer semester. Awards are given to at least one economics student and at least one management (including OBHR) student each semester. In addition to a written letter of recognition from the Krannert dean’s office, each recipient receives a monetary award. Award recipients are honored at a luncheon given each semester...
by the dean’s office and recognized at the dinner in honor of Ph.D. students held during orientation the following fall.

To be objective, the awards are based solely on University student evaluations conducted each semester. Only current Krannert doctoral students teaching non-recitation sections are eligible for these awards. As an incentive for continued teaching excellence, there is no limit to the number of awards for which a teaching assistant is eligible. Because the awards are based on student evaluation data processed by the Division of Instructional Services, announcement of the award recipients is made the following semester.

**Graduate Assistantships**

As part of their professional program, most doctoral students are awarded half-time graduate assistantships. Krannert is committed to providing competitive stipends to individuals receiving assistantships. The assistantships are teaching and/or research assignments, which develop teaching skills and the ability to apply theory and research methodology in the student’s area of specialization. Assistantship duties vary according to the individual’s professional aspirations and increase in responsibility as the student progresses through the doctoral program. Students whose native language is not English must pass an oral screening evaluation before they are eligible for an assignment as a classroom teacher.

Both teaching and research assistantships involve approximately 20 hours per week and provide a monthly stipend over a 12-month period. In addition, provision is made for remission of tuition and all fees except for a small graduate staff rate each semester. The graduate staff rate covers items such as recreational facilities, academic and library facilities, etc. Students holding assistantships receive discounts from university bookstores, shopping centers, meals from university restaurants, and more.

**Dissertation Research Grants**

Numerous competitions for research grants are available each year to doctoral candidates in support of dissertation research. It is typical for a graduate student to receive a grant to support dissertation research for at least one year of his or her residency. A monthly stipend is allotted to recipients of research grants for the duration of their award. In addition, students holding University research grants receive remission of tuition and all fees except for a small graduate staff rate each semester. Sources for dissertation research grants include University fellowships, Krannert thesis grants, and research grants funded by outside agencies, typically through various research centers. Announcements are posted frequently.

**Research Proposal Award**

A Robert W. Johnson Award for Distinguished Research Proposal is given annually to the top two Ph.D. student proposals, based on the criteria described below.

Awards are given to one economics and one management student (including OBHR) each spring. In addition to a certificate and written letter of recognition from the dean’s office, each recipient receives a monetary award. Award recipients are honored at a luncheon given during the spring semester by the dean’s office and recognized at the dinner in honor of Ph.D. students held during orientation the following fall.

To be objective, the awards are based on Krannert evaluations and rankings conducted by area faculty, the director of doctoral programs, and the associate dean, from research proposals submitted to the Purdue Research Foundation (PRF) grant competition during the fall semester.

To be eligible for the Robert W. Johnson Award for Distinguished Research Proposal in the spring semester, a student must submit a proposal for the PRF grant competition the previous fall semester. Only students who are eligible candidates for a PRF grant will be considered for the research proposal award.

**Travel Allowance**

The Krannert School supports representation of its doctoral students at national meetings by providing travel support.

Any doctoral student presenting or discussing a paper at an approved academic conference is eligible for funding. Approval comes from the student’s advisor and the director of doctoral programs.

Academic conferences that have been approved in the past include: National INFORMS, American Marketing Association, Academy of Management, American Economic Association, and the American Accounting Association.

Students are eligible to be reimbursed for up to $600 per trip in travel-related expenses, and are eligible for funding for two trips per academic year.
Krannert Complex

The Krannert School of Management is housed in two adjacent buildings (and the School is building a third) in a prominent location on Purdue’s West Lafayette campus. The buildings are connected by underground walkways to the Purdue Memorial Union (complete with eateries, shops, study spaces, theaters, bowling alley, and pool hall) and Union Club Hotel, parking garages, and graduate housing. The computer center and Management and Economics Library are also housed in the Krannert Building.

In addition to the wealth of on-campus resources, off-site projects with partner companies enrich the research process.
Information Technology

At the core of Krannert’s focus on technology is one of the most extensive computing laboratory complexes found in any business school, thanks to Krannert corporate and foundation investors, including Ameritech, AT&T Foundation, Hewlett-Packard, IBM, Microsoft, and SAP America. Public areas and most classrooms of the Krannert Building offer wireless networking, useful for study groups and for accessing reference material and other resources with your laptop. The School uses the Palm Pilot personal digital assistant standard at its docking stations, allowing you to synchronize your e-mail and planner.

Computer labs include:
- Enterprise Integration Laboratory
- Krannert Computing Information Center
- Ph.D. Laboratory
- Network Computer Laboratory
- Master’s Laboratory
- Visualization Laboratory

Management and Economics Library

The library encompasses the full range of recorded management and economics thought. At one end of the spectrum is an 8,000-volume Rare Book Collection that includes a first edition of Adam Smith’s *An Inquiry into the Nature and Causes of the Wealth of Nations*. At the other end are online, full-text databases of periodicals and government data sources. Visit the library’s Web site at [www.lib.purdue.edu/mel](http://www.lib.purdue.edu/mel) for more information.

Purdue Research Park

Businesses, faculty members, and students benefit alike from access to one of the largest and oldest university-affiliated research parks in the country. The park’s business incubation program fosters the growth of new high-tech ventures and turns research into real products and services through three incubator facilities. For established businesses, the Technical Assistance Program provides advice on new technology and improved management practices. Business start-up financial assistance is available through two new venture funds established by the Purdue Research Foundation.

Research Centers

Doctoral students have the opportunity to work on important research projects through Krannert’s centers, including the Center for International Business Education and Research (CIBER), the Center for Tax Policy Studies, the Dauch Center for the Management of Manufacturing Enterprises (DCMME), the Purdue Center for Economic Education, and the Technology Transfer Initiative (TTI). The centers’ interaction with corporate partners ensures that courses and research agendas are relevant to business needs and that they anticipate trends.

The outstanding reputations of the centers attract top faculty members to the Krannert School.
Health Insurance
All half-time graduate teaching or research assistants are enrolled in the Purdue Graduate Student Staff Medical/Health Insurance Plan, which provides excellent coverage for graduate assistants and family members. In addition, Purdue's student health center provides numerous health services.

Krannert Doctoral Student Association
The Krannert Doctoral Student Association (KDSA) is an organization committed to enhancing the academic experience of doctoral students at Krannert. The organization acts as a liaison between the doctoral student body and administration. KDSA officers meet weekly with doctoral students, the Krannert Office of Doctoral Programs, and the associate dean to discuss issues important to doctoral students and the continued improvement of the teaching and research environment. All Krannert doctoral students are members of KDSA.

Teaching Seminars
Purdue University is dedicated to teaching excellence. In addition to your academic research, Krannert provides an opportunity to enhance your skills in the classroom. The Division of Instructional Services and Committee for the Education of Teaching Assistants provide numerous workshops during orientation week and throughout the year for those interested in enhancing their skills in classroom management, effective presentation skills, and methods for encouraging learning, among other subjects. A special course, Teaching in the American Classroom, is particularly useful for international students.

Placement
Professors in each discipline act as placement officers each year. In addition, major professors assist directly with the placement of those whose dissertation research they supervise.

Officers of the Krannert Doctoral Student Association work with the administration to enhance the services and resources available to their peers.
## Placement of Recent Graduates

<table>
<thead>
<tr>
<th>Name</th>
<th>Employer</th>
<th>Thesis Title and Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apurva Jain</td>
<td>University of Washington</td>
<td>A Stochastic Production-Inventory Model with Two Demand Processes of Different Variability Thesis Advisor: Ananth V. Iyer December 1999</td>
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<tr>
<td>Sam V. Florance</td>
<td>Purdue University</td>
<td>Square Pegs and Round Holes: Testing the Alignment of Firm Strategy and Top Management in Young-Potential Firms Thesis Advisor: Arnold C. Cooper August 1999</td>
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<tr>
<td>Nerses Kazarian</td>
<td>American Express Company</td>
<td>Essays on “Just-In-Time” Manufacturing Thesis Advisor: Dan J. Kovenock August 1999</td>
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<tr>
<td>Nancy J. Lightner</td>
<td>University of South Carolina</td>
<td>Visualization of Information: The Fit of Multi-Dimensional Displays for Effective Decision Making Tasks Thesis Advisor: Alok Chaturvedi May 1999</td>
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<tr>
<td>Sungsoo Ok</td>
<td>Korea Development Institute</td>
<td>Rational Speculation, Central Bank Intervention, and the Negative Forward Discount Bias Thesis Advisor: John A. Carlson December 1998</td>
</tr>
<tr>
<td>Jaume Franquesa Oller</td>
<td>Western Michigan University</td>
<td>Compensation in Related Diversified Firms: The Contingencies of Centralization and Directionality of Intra-Corporate Sharing Thesis Advisor: Arnold C. Cooper May 1999</td>
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<tr>
<td>Myung-Seok Park</td>
<td>San Francisco State University</td>
<td>Industry Earnings Performance and Firms’ Accrual Decisions Thesis Advisor: Byung Tak Ro May 1999</td>
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<tr>
<td>Raji G. Srinivasan</td>
<td>University of South Carolina</td>
<td>Long Term Vertical Alliances and Supplier Performance Thesis Advisor: Arnold C. Cooper December 1998</td>
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<tr>
<td>Kerem Tomak</td>
<td>University of Texas at Austin</td>
<td>Strategic Pricing, Resource Allocation and Infrastructure in Electronic Commerce Thesis Advisor: Kemal Altinkemer August 1999</td>
</tr>
</tbody>
</table>
Purdue University

Purdue is the Indiana link in the chain of 68 land-grant colleges and universities that owe their origin to the Morrill Act signed by President Lincoln on July 2, 1862. Staying true to the spirit of the Morrill Act by promoting agriculture and industry in the state, the University now reaches new frontiers around the globe through education and research in a vast range of disciplines.

History

Founded in 1869

Profile

- Public, doctoral-granting research university
- Indiana's land-, sea-, and space-grant university
- Statewide university system includes five campuses and numerous teaching and research sites
Noted Alumni

Krannert Ph.D.s have a history of significant influence in education and research. The School is proud to count the following alumni among our graduates.

James Cash (Ph.D., 1976)
James E. Robison Professor of Business Administration, Harvard University

Bruce Cohen (Ph.D., 1966)
Economic affairs officer, United Nations (Switzerland)

Karel Cool (Ph.D., 1985)
BP Chaired Professor of European Competitiveness (INSEAD)

Abel Jeuland (Ph.D., 1975)
Charles H. Kellstadt Professor of Marketing, University of Chicago

Morton Kamien (Ph.D., 1964)
Joseph and Carole Levy Distinguished Professor of Entrepreneurship and director of the Entrepreneurship and Innovation Program, Northwestern University

Donald Kiefer (Ph.D., 1972)
Senior specialist in economic policy, Congressional Research Service, Library of Congress

John Ledyard (Ph.D., 1968)
Chair, Division of the Humanities and Social Sciences and Professor of Economics and Social Sciences, California Institute of Technology

R. Preston McAfee (Ph.D., 1980)
Murray S. Johnson Chair in Economics, University of Texas at Austin

Cynthia Montgomery (Ph.D., 1979)
John G. McLean Professor of Business Administration, Harvard University

Narakesari Narayandas (Ph.D., 1994)
Associate professor, Harvard University

Donald Rice, Jr. (Ph.D., 1965)
Former secretary of the Air Force and RAND president

Delwin Roy (Ph.D., 1968)
President and CEO, Hitachi Foundation

Hugo Sonnenschein (Ph.D., 1964)
Department of Economics, University of Chicago; former President of the University of Chicago

Carolyn Woo (Ph.D., 1979)
Martin J. Gillen Dean of Business Administration and Professor of Management, University of Notre Dame

Location

Main campus in West Lafayette, Indiana
(126 miles southeast of Chicago, 65 miles north of Indianapolis).

Community

West Lafayette and Lafayette (across the Wabash River) form a small, safe community of 69,000 people.

Purdue and the Greater Lafayette Community provide a safe, family friendly environment.

Robert Vassolo and Natalia Weisz, husband and wife team in the management Ph.D. Program, enjoy their family and their research and coursework in strategic management. “Working as a team is a rewarding experience,” says Vassolo.
Purdue University is located in the Midwest—the heartland of the United States.

Driving Time and Mileage

<table>
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<th>City</th>
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<td>3</td>
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<td>Cincinnati, OH</td>
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<td>Milwaukee, WI</td>
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<td>Columbus, OH</td>
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<td>St. Louis, MO</td>
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<td>Cleveland, OH</td>
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<td>Pittsburgh, PA</td>
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<tr>
<td>Washington, DC</td>
<td>670</td>
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</tr>
<tr>
<td>Los Angeles, CA</td>
<td>2,165</td>
<td>A LONG TIME</td>
</tr>
</tbody>
</table>

Athletics

- Member of Big Ten Conference
- 9 men’s, 9 women’s Division I NCAA teams

Schools

- Agriculture
- Consumer and Family Sciences
- Education
- Engineering
- Health Sciences
- Liberal Arts
- Management
- Nursing
- Pharmacy and Pharmacal Sciences
- Science
- Technology
- Veterinary Medicine

Student Body

- Systemwide enrollment of 66,512 students;
  West Lafayette enrollment of 37,871 students (fall 2000)

- Students from 50 states and 127 countries

K R A N N E R T

INDIANAPOLIS, IN 65 MILES 1 HOUR

CHICAGO, IL (O'HARE) 155 MILES 3 HOURS

CINCINNATI, OH 175 MILES 3 HOURS

LOUISVILLE, KY 180 MILES 3 HOURS

MILWAUKEE, WI 225 MILES 4 HOURS

COLUMBUS, OH 245 MILES 4 HOURS

ST. LOUIS, MO 275 MILES 4 1/2 HOURS

DETOIT, MI 299 MILES 5 1/2 HOURS

CLEVELAND, OH 325 MILES 6/7 HOURS

PITTSBURGH, PA 445 MILES 7/8 HOURS

WASHINGTON, DC 670 MILES 11/12 HOURS

LOS ANGELES, CA 2,165 MILES A LONG TIME
During my years spent at Krannert, I had numerous research opportunities and a great deal of exposure to different research areas. Frequent and constructive interactions between faculty and students made it easy for me to explore different research venues.

Research seminars provide Ph.D. students an excellent opportunity to learn about cutting edge research, and also to learn about the research work of the faculty. Krannert encourages students to take courses in diverse areas. I had opportunities to do coursework and research in schools across campus, such as Computer Science and Industrial Engineering. Students are also given a high degree of freedom in determining research projects.

Within Krannert, there were opportunities to take courses in different disciplines such as finance and economics that helped me learn the fundamentals as well as broaden my knowledge.

The Management and Economics Library provides excellent research support in terms of access to academic journals and databases plus other resources. The Krannert Computing Center also provides excellent computing support for teaching and research.
Admission to the doctoral programs in economics, management, or organizational behavior and human resource is limited to students of outstanding promise. Only applicants with at least a bachelor’s degree, or those in the process of receiving such a degree, are considered for admission. There are no required fields of study for applicants who will have completed undergraduate or higher-level degrees by the time they enroll at Purdue University.

To apply to the Ph.D. program, fill out the application form online:
www.mgmt.purdue.edu/programs/phd

Required Materials
In addition to completing an application form, admission to the program requires the submission of the following materials:

Transcripts
Applicants must submit one official copy of all previous universities and colleges attended. If transcripts are not in English, an official English translation, certified by the college or university, must be provided along with an official transcript in the native language. Note that a certified copy of a diploma will be required if a transcript does not show or state the awarding of a baccalaureate degree.

Letters of Recommendation
At least two letters of recommendation are required. Academic or professional recommendations are acceptable.

Statement of Purpose
Applicants must submit a short essay concerning their purpose for seeking a Ph.D., reasons for wanting to study at Purdue University, research interests, and professional plans for the future.

Test Scores
Admission to the program requires that official scores be sent from Educational Testing Service (ETS) to Purdue University.

GRE (Required for admission to Economics)
When registering for the GRE, use the following codes to ensure that the admission office receives your official test score:

- Institution code for Purdue University: 1631
- Department codes for Purdue University: Economics 1801 OBHR 4206

To receive test information and registration forms, contact:

Graduate Record Examinations (GRE) Educational Testing Service
225 Phillips Boulevard
Ewing, New Jersey 08628-7435
U.S.A.
Phone: (609) 771-7670
Fax: (609) 771-7906
E-mail: gre-info@ets.org
URL: www.gre.org
**GMAT** (Required for admission to Management)

When registering for the GMAT, use the following code to ensure that the admission office receives your official test score:

- **Institution code for Purdue University:**
  - 1631

To receive test information and registration forms, contact:

**Graduate Management Admission Test (GMAT) Educational Testing Service**

225 Phillips Boulevard  
Ewing, New Jersey 08628-7435  
U.S.A.  
Phone: (609) 771-7330, (800) 462-8669  
Fax: (609) 883-4349  
E-mail: gmat@ets.org  
URL: www.gmat.org

**TOEFL**

An official score report for the TOEFL must be received from applicants whose native language is not English. The Test of Written English (TWE) and the Test of Spoken English (TSE) are not required for either admission or standard financial aid packages, including assistantships and fellowships. However, the TSE is required to be considered for the supplemental awards that are based on teaching potential if an applicant’s native language is not English.

When registering for TOEFL, use the following code to ensure that the admission office receives your official test score:

- **Institution code for Purdue University:**
  - 1631

- **Department code for Purdue University:**
  - 02

To receive information for TOEFL, TWE, and TSE, contact:

**Test of English as a Foreign Language (TOEFL) Educational Testing Service**

P.O. Box 6151  
Princeton, New Jersey 08541-6151  
U.S.A.  
Telephone: (609) 771-7100  
Fax: (609) 771-7500  
E-mail: toefl@ets.org  
URL: www.toefl.org

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**...support and encouragement...**

*My experiences at Krannert were certainly among the most enriching and important in my life because of three main factors: the faculty, my fellow students, and the environment provided by the School. First, doctoral students are given a wonderful opportunity to work closely with renowned faculty members who believe that learning about research is a top priority. I was particularly fortunate to work with a dissertation chairman who is one of the top researchers worldwide in human resource management. Second, even several years after leaving, some of my closest friends and colleagues are fellow Krannert doctoral students. It was especially enriching that some came from other countries such as Turkey, Germany, Singapore, and Japan. It is an added bonus that most of these friends are now at prestigious research universities across the country. Third, the resources and opportunities offered in the Krannert environment were truly exceptional. When I talk with graduates of other respected programs I am struck by how often they characterize their doctoral student experiences as hyper-competitive, restrictive, or lacking direction. The Krannert environment is none of these things. It is about the freedom to pursue your personal research/career interests in an atmosphere of support and encouragement.*
Application Deadline

The deadline for receiving applications and supporting documentation is February 15. Late applications may be considered, but only upon the approval of the director of doctoral programs. Supplemental application materials (if not completed online) should be mailed to the address below. Additional information and questions concerning Krannert’s doctoral programs may also be obtained by contacting:

E-mail: PhD_admissions@mgmt.purdue.edu
URL: www.mgmt.purdue.edu/programs/phd

Mail complete packet of application materials to:

Ph.D. Admissions
Krannert Graduate School of Management
Purdue University
1310 Krannert Building, Room 719
West Lafayette, Indiana 47907-1310
E-mail: PhD_admissions@mgmt.purdue.edu