THE FOX PHD

IN DECISION NEUROSCIENCE

Fox School of Business
TEMPLE UNIVERSITY®
Decision neuroscience, including its subfields of neuroeconomics and neuromarketing, has provided new insights into the mechanisms that underpin a wide range of economic and social phenomena, from risky choice and consumer behavior to altruism and cooperation. The field represents a primary example of interdisciplinary research, with people from diverse fields working together to advance our knowledge of decision-making and decision preferences.

At the Fox School of Business, the PhD in Decision Neuroscience trains the next generation of decision neuroscience researchers to integrate and apply academic findings to real-world questions and problems.
Through the efforts of the Center for Neural Decision Making, the Fox School of Business is uniquely positioned to offer a PhD in Decision Neuroscience. Leveraging the capabilities of Temple University’s College of Liberal Arts Department of Psychology—renowned for its endeavors in brain and cognitive sciences—the PhD in Decision Neuroscience provides a powerful integrative initiative that opens up several funding opportunities in the form of external grants.

With an emphasis on close-knit collaboration and a deep-rooted commitment to research excellence, the PhD program will prepare you for successful academic scholarship.

- Students are matched with research faculty mentors from both the Fox School of Business and the Temple University’s College of Liberal Arts Department of Psychology.
- Three research competitions each year provide the opportunity to compete for seed-funding grants and receive awards based on high-quality research.
- Strong job placement support includes travel to conferences, annual seminars, and individual faculty support.
- The program focuses on rigorous research training with projects and papers embedded into the curriculum.
- Dedicated support for dissemination of research insights in academic and popular media.

PUSH THE FRONTIER OF ACADEMIC RESEARCH

Advance management theory and business practice within a world-class research institution. The Fox PhD program offers a collaborative learning environment where you will challenge traditional ideas, pursue bold insights, question conventional thinking, and define the future of business through research.
CORE FACULTY

FOX SCHOOL OF BUSINESS
• Angelika Dimoka, Marketing and Supply Chain Management
• Crystal ReecK, Marketing and Supply Chain Management
• Vinod Venkatraman, Marketing and Supply Chain Management

COLLEGE OF LIBERAL ARTS
• Jason Chein, Department of Psychology, Brain and Cognitive Sciences
• Ingrid Olson, Department of Psychology, Brain and Cognitive Sciences
• David V. Smith, Department of Psychology, Brain and Cognitive Sciences

AFFILIATED FACULTY

FOX SCHOOL OF BUSINESS
• Jeffrey Boles, Legal Studies in Business
• Paul Pavlou, Management Information Systems
• Anthony Vance, Management Information Systems
• Monica Wadhwa, Marketing and Supply Chain Management

COLLEGE OF LIBERAL ARTS
• Kevin Arceneaux, Department of Political Science
• Ryan J. Vander Wielen, Department of Political Science; Department of Economics

PERSONAL—AND POWERFUL—MENTORSHIP

As soon as you begin the Fox PhD program, you will be paired with research faculty mentors from both the Fox School of Business and the College of Liberal Arts Department of Psychology to support you on your path to academic scholarship.
The Fox School of Business and the College of Liberal Arts are proud to share recent notable accomplishments in the area of decision neuroscience.

**TOP-TIER JOURNAL PUBLICATION**
Faculty have published articles and research in:
- Brain
- Cerebral Cortex
- Information Systems Research
- Journal of Cognitive Neuroscience
- Journal of Marketing Research
- Journal of Neuroscience
- Management Information Systems Quarterly
- Neuroimage
- Neuron
- Organization Behavior and Human Decision Processes
- Trends in Cognitive Sciences

**CENTERS & LABS**

**THE CENTER FOR NEURAL DECISION MAKING**
Using functional magnetic resonance imaging (fMRI), eye tracking, and other biometric data, the Center for Neural Decision Making examines how an understanding of the brain’s underlying functionality can inform human decision-making, behavior, and preference formation.

**TEMPLE UNIVERSITY NEUROCOGNITION LABORATORY**
Through traditional experimental and cognitive neuroscience methods, this lab explores the relationship between working memory and cognitive control and the involvement of these capacities in the broader landscape of higher-order cognition.

**OLSON LAB**
As part of the Cognitive Neuroscience Laboratory, the Olson Lab studies human memory and its relationship to social processing, conceptual and abstract aspects of language, and decision-making. The Olson Lab investigates neural structure-function relationships, especially with regards to white-matter connectivity and brain networks that predict human behavior.

**CENTER FOR HIGH DIMENSIONAL STATISTICS**
This center engages the shared research interests and expertise of faculty from the Department of Statistical Science to create a vibrant place for research, with an aim to develop new tools for use within a rising field.

**POPULAR MEDIA PRESENCE**
Through strong industry collaborations, faculty have increased topic visibility in:
- Forbes
- Newsweek
- Science Online
- Wall Street Journal

**FACULTY GRANT FUNDING**
Large-scale grant funding has been awarded to core Decision Neuroscience faculty, including:
- Jason Chein
- Angelika Dimoka
- Ingrid Olson
- Crystal Reeck
- Vinod Venkatraman

**CONFERENCE ORGANIZATION**
Faculty members within the discipline have eight years of experience organizing the Interdisciplinary Symposium in Decision Neuroscience, which is attended by top scientists in the field.
CURRICULUM REQUIREMENTS

Each PhD candidate needs to complete 12 PhD-level courses and a minimum of six dissertation credit hours in order to graduate with 42 credit hours. The typical PhD curriculum includes:

- Two lab rotations in the first year
- Six core courses (18 credits total)
- Six electives (18 credits total)
- Three credit-bearing doctoral examinations (6 credits total)
- Three doctoral examinations (6 credits total; minimums listed below)
- Preliminary exam proposal
- Dissertation proposal
- Dissertation

ADMISSIONS CRITERIA

The ideal applicant for the Decision Neuroscience PhD program at the Fox School of Business should score:

- 90th percentile or above on the GRE or GMAT.
- 100 or above on the TOEFL-IBT for international students, unless the applicant has earned, or is in the process of earning, an undergraduate or graduate degree from an institution based in the United States.
- A 7.0 on the IELTS may also be accepted.

FUNDING AND FINANCIAL AID

All students admitted to the Fox PhD in Decision Neuroscience are considered for full financial support for up to five years. Funding typically comes in the form of research or teaching assistantship and includes full tuition and a competitive stipend. The funding is renewable every year, subject to adequate progress and annual evaluations. Students who apply prior to January 5 will also be considered for Temple University’s prestigious university fellowships.

"We have the first program that aims to leverage the developments in the field of psychology and neuroscience and apply them to interesting real-world problems and business situations."

— Vinod Venkatraman
Assistant Professor of Marketing and Supply Chain Management
Fox School of Business

Learn more: fox.temple.edu/PHD
Connect with Us

Find out more about the Fox PhD programs by contacting foxphdoffice@temple.edu.

Fox PhD Programs
Office of Research, Doctoral Programs, and Strategic Initiatives

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Email: foxphdoffice@temple.edu

Deadlines
January 5 – Early Consideration for Fellowship Deadline

From our roots as Temple University’s School of Commerce in 1918, the Fox School of Business has built a century-long heritage of innovation within business education. With a longstanding tradition of preparing professionals with the power to lead tomorrow’s economy, we advance the world of business—and transform lives through education.

Temple University’s 17 schools and colleges, eight campuses, hundreds of degree programs, and more than 38,000 students combine to create one of the nation’s most comprehensive and diverse learning environments. In neighborhoods, across disciplines, and on a global stage, members of the Temple community are making things happen.