

Patterson Bio

Dr. Jeremy Patterson is Dean of the College of Innovation and Design and Executive Director of the Office of Innovation and New Ventures at Wichita State University. As the founding dean, he led the development and launch of an interdisciplinary, degree-granting college that integrates design, technology, business, and human-centered innovation. The college offers cohort-based graduate programs, certificates, and interdisciplinary learning pathways that prepare students for research-intensive and workforce-aligned careers in emerging technology and innovation fields.

Dr. Patterson is also an endowed professor of clinical exercise physiology and has served on the Wichita State faculty for more than two decades. He directs the Human Performance Laboratory and holds joint or affiliate appointments in the Honors College, Biomedical Engineering, and the Wichita Space Initiative, reflecting a career devoted to interdisciplinary collaboration, applied research, and student mentorship.

He earned his Ph.D. and master's degrees in clinical exercise physiology from Victoria University in Melbourne, Australia, where his doctoral training was embedded within a major teaching hospital's cardiology and heart failure programs. His early research focused on cardiovascular and metabolic regulation of blood flow in high-risk populations, including advanced heart disease, transplant patients, and individuals using mechanical circulatory support devices.

More recently, his externally funded work has expanded into innovation ecosystems, emerging technologies, and interdisciplinary graduate education that prepares students with industry-relevant skills. He has served as principal investigator or co-investigator on projects supported by NASA, the National Science Foundation, the U.S. Economic Development Administration, the Kauffman Foundation, and industry partners.

Dr. Patterson has mentored dozens of graduate students and more than 50 student-led startups and serves as faculty lead for the NSF I-Corps Great Plains Hub, helping connect universities, industry, and government partners to advance innovation, entrepreneurship, and emerging technology workforce development.