

M e m o r a n d u m

To: University Senate
From: Maria Coyle, Chair, Council on Academic Affairs
Subject: Proposal to Establish a Center for Quantum Information Science and Engineering
Date: February 8, 2022

A PROPOSAL FROM THE COUNCIL ON ACADEMIC AFFAIRS TO ESTABLISH A CENTER FOR QUANTUM INFORMATION SCIENCE AND ENGINEERING

- Whereas in recent years interest in quantum information science has grown dramatically through a series of groundbreaking technical and scientific advances, laying the foundation for a paradigm shift bridging much of modern science and technology; and
- Whereas the University wants to leverage the talent it has across multiple disciplines and its role in existing regional partnerships (academic and business) for a Center that will position the University as regional Quantum hub for research and innovation, help produce the next generation of the quantum literate workforce, and support the quantum economy; and the proposal is an outgrowth the 2020 Report of an Office of Research-commissioned Task Force on Quantum Information Science and Technology; and
- Whereas the Center will be administered by two Co-Directors who will report to the Vice President for Knowledge Enterprise; has criteria for selecting faculty, staff and student membership; will have an Executive Advisory Committee; and will have significant synergy with existing internal and federally supported centers and institutes; and
- Whereas initial funding has been secured through the Enterprise for Research Innovation and Knowledge for personnel, operating and seed funding, and plans for sustainability including internal support from the Colleges of Arts and Sciences and Engineering, and a federal funding strategy are presented, as is an assessment plan; and strong letters of support have been provided; and
- Whereas the proposal was reviewed and approved by a subcommittee and then the full Council on Academic Affairs at its meeting on January 19, 2022; and

Therefore be it resolved that the University Senate approve the proposal to establish a Center for Quantum Information Science and Engineering