MEMORANDUM

UTAH SYSTEM OF HIGHER EDUCATION

August 30, 2024

Deep Technology Advisory Council Recommendations for Funding

Utah Board of Higher Education Policy *R430, Deep Technology Talent Initiative*, provides funding to expand programs in deep technology. The Deep Technology Talent Initiative aims to facilitate collaborations that create expanded, multidisciplinary programs or stackable credential programs in both undergraduate and graduate studies. They prepare students to work at the research and development level in leading-edge technologies such as Advanced Materials, Autonomous Vehicles, Artificial Intelligence, Cyber Security, Precision Medicine, Machine Learning, Augmented and Virtual Reality, Quantum Computing, Robotics, Nanotechnology, and others.

Deep Tech refers to cutting-edge breakthroughs based on substantial scientific advances and/or meaningful engineering innovation. The Deep Tech Initiative provides funding to create and expand programs in deep technology.

In accordance with [Utah Code 53B-26-302](link), the Deep Technology Talent Advisory Council recommends the Board issue the following grants:

Weber State University – Autonomous Vehicles Systems Graduate-Level Certificate

   Total Award of $199,000 for one year

University of Utah – Enhancing Graduate Program in Secure Computing

   Total Award of $186,179 for one year

University of Utah – Deep Learning AI & Robotics

   Total Award of $80,000 annually, on-going

Weber State University – Machine Learning/Data Science

   Total Award of $330,500 annually, on-going

Utah Valley University/Utah State University- I3SC Consortium

   Total Award of $1,624,425 annually, on-going

Utah State University – Data Science (and AI) in STEM

   Total Award of $74,407 annually, on-going

Utah Tech University – Functional Genomics

   Total Award of $230,714 annually, on-going

University of Utah – Resilient Energy

   Total Award of $250,521 annually, on-going

Commissioner's Recommendation

The Commissioner recommends that the Board approve the recommendations for institutional awards from the Deep Technology Talent Advisory Council as presented.