Previously Approved Cognate Areas

**Communicating Technology Policy**
AEC6932  Food, Community & Justice
MMC 6936  Communicating Privacy
PUP 6009  Public Policy Analysis

**Using technology to support collaboration in life-science research**
CAP 5510  Bioinformatics
EAB6099  Survey of Behavioral Analysis
MMC 6409  Science/Health Communication

**Disabilities in Society**
EEX 6099: Social Perspectives on Disability
EEX 6525: Disability Policy and Legislation
EEX 6778: Community and Work Access for Individuals with Disabilities
EEX 6930: Seminar in Disabilities

**Engineering Entrepreneurship**
EGN6640  Entrepreneurship For Engineers
EGN6642  Engineering Innovation
EGS6039  Engineering Leadership
CIS6930  Recent Advances In Social Network Computing
IS 6930: Dept/Cis 4930 – 9024 Data Mining

**Information Security**
CNT5410  Advanced Network Security
CIS5370  Advanced Systems Security
CIS5371  Introduction To Modern Cryptography
CIS6930  Cellular And Mobile Network Security
CIS6930  Embedded Systems Security
CAP6930  Malware Reverse Engineering
EEL6935  Cross Layered Computer Security
CIS6XXX  Penetration Testing And Ethical Hacking

**Data Science**
CAP4770/CAP5771 Introduction To Data Science
COP5725  Data Management Systems Or Cap6610 Machine Learning

Select From:

1 This Course Can Be Swapped With Approved Other Depending On Student’s Interests (e.g.,
EEX 6525 Disability Policy and Legislation)
ISM6405+ISM6423  Introduction To Business Intelligence/Data Mining For Business Intelligence
CAP5100/DIG6125c  Human Computer Interactions/Digital Design And Visualization
LAW6930  Electronic Discovery Data Analysis And Review
LIN6773  Topics In Computational Linguistics
STA6466-7  Probability Theory I And Ii
STA7346  Statistical Inference I
STA7934  Mcmc Methods In Statistical Inference
EIN6905  Data Analysis And Data Mining In Systems Engineering
CAP6769  Advanced Topics In Data Science

K-12 Teaching With Technology
EME5404  Instructional Computing Ii: Media Ecologies And Open Education
EME5207  Designing Technology-Rich Curricula
EME5405  Internet In K-12 Instruction
EME6059  Blended Learning Environments

Instructional Design
EME6208  Designing Integrated Media Environments I
EME6606  Advanced Instructional Design
EME6235  Managing Educational Projects
EME6609  Instructional Design

Managing Distance Education Environments
EME6609  Instructional Design
EME6235  Managing Educational Projects
EME6458  Distance Teaching And Learning
EME6236  Distance Education Leadership And Management

Online Teaching And Learning
EME6609  Instructional Design
EME6458  Distance Teaching And Learning
EME6059  Blended Learning Environments
EME6208  Designing Integrated Media Environments