

## Previously Approved Cognate Areas

### **Communicating Technology Policy**

AEC6932 Food, Community & Justice<sup>1</sup>  
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:

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<sup>1</sup> 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