ENTERPRISE ARCHITECTURE - GRADUATE CERTIFICATE

Description
The Enterprise Architecture graduate certificate focuses on assisting organizations to review and improve their investments in technology and to ensure that their digital information, applications and technology are fully aligned with business goals and objectives. Graduates will know how to develop detailed blueprints of an organization's current state, work with the stakeholders to prepare a vision of a future architecture, prepare an implementation roadmap and execute technology and business change.

This certificate can assist graduates to prepare for a career as a computer system architect, enterprise architect, information architect or solution architect.

FULLY OFFERED AT:
* Kent Campus

Gainful Employment Disclosure
Disclosure statement for this certificate.

Program Requirements
Certificate Requirements
[C631]

Certificate Requirements
DSCI 61010 ENTERPRISE ARCHITECTURE 3
DSCI 62010 BUSINESS ARCHITECTURE 3
DSCI 64010 DATA ARCHITECTURE 3
DSCI 65010 APPLICATION AND TECHNOLOGY ARCHITECTURE 3

Certificate Electives, choose from the following: 1
COMM 65661 COMMUNICATION IN AN INFORMATION SOCIETY
COMM 65675 COMMUNICATION, UNCERTAINTY AND PRIVACY MANAGEMENT
COMM 65685 COMMUNICATION AND COGNITION
COMM 65851 ORGANIZATIONAL COMMUNICATION
CS 53203 SYSTEMS PROGRAMMING 2
CS 53401 SECURE PROGRAMMING 2
CS 56101 DESIGN AND ANALYSIS OF ALGORITHMS 2
CS 57205 INFORMATION SECURITY 2
CS 57221 INTRODUCTION TO CRYPTOLOGY 2
CS 61002 ALGORITHMS AND PROGRAMMING I
CS 61003 ALGORITHMS AND PROGRAMMING II
CS 63005 ADVANCED DATABASE SYSTEMS DESIGN 2
ITEC 67438  INSTRUCTIONAL APPLICATIONS OF THE INTERNET
ITEC 67442  DESIGNING ONLINE COURSES
ITEC 67444  TEACHING ONLINE COURSES
ITEC 67449  RESEARCH IN ONLINE LEARNING
KM 60301  FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT
KM 60305  COMMUNITIES OF PRACTICE
KM 60311  BUSINESS PROCESS MANAGEMENT
KM 60312  BUSINESS INTELLIGENCE-COMPETITIVE INTELLIGENCE
KM 60315  FOUNDATIONS OF DOCUMENT MANAGEMENT
KM 60316  ORGANIZATIONAL CULTURE ASSESSMENT
KM 60370  SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES
LIS 60613  INFORMATION NEEDS, SEEKING AND USE
LIS 60636  KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES
LIS 60637  METADATA ARCHITECTURE AND IMPLEMENTATION
LIS 60638  DIGITAL LIBRARIES
LIS 60644  INFORMATION SCIENCE
LIS 60645  DATABASE SYSTEMS
MIS 64042  GLOBALIZATION AND TECHNOLOGY STRATEGY
MIS 64080  EMERGING HARDWARE AND SOFTWARE TECHNOLOGIES
MIS 64081  DATA COMMUNICATIONS AND NETWORKING IN BUSINESS
MIS 64082  DATABASE MANAGEMENT AND DATABASE ANALYTICS
MIS 64083  INFORMATION SECURITY: A MANAGERIAL PERSPECTIVE
MIS 64158  LEADERSHIP AND MANAGERIAL ASSESSMENT
TECH 53222  COMPUTER HARDWARE ENGINEERING AND ARCHITECTURE
TECH 56330  VISUAL BASIC PROGRAMMING IN ENGINEERING TECHNOLOGY
TECH 56350  NETWORK MANAGEMENT AND DESIGN TECHNOLOGY
TECH 56411  REQUIREMENTS ENGINEERING AND ANALYSIS TECHNOLOGY
TECH 63010  COMPUTER HARDWARE
TECH 63020  FIBER OPTIC SYSTEMS
TECH 63031  PROGRAMMABLE LOGIC CONTROLLERS
TECH 63032  ADVANCED PROGRAMMABLE LOGIC CONTROLLERS
TECH 63050  TRIZ-THEORY OF INVENTIVE PROBLEM SOLVING
TECH 64312  ADVANCED WIRELESS TELECOMMUNICATION SYSTEM AND NETWORK TECHNOLOGIES
TECH 65330  ADVANCED VISUAL BASIC PROGRAMMING IN ENGINEERING TECHNOLOGY
TECH 66380  ADVANCED NETWORKING
VCD 55000  GRAPHIC DESIGN PERSPECTIVES
VCD 60121  USER EXPERIENCE DESIGN IN PRACTICE
UXD 60001  USER EXPERIENCE DESIGN PRINCIPLES AND CONCEPTS
UXD 60002  USER EXPERIENCE DESIGN IN PRACTICE
UXD 60101  INFORMATION ARCHITECTURE I
UXD 60103  RESEARCHING THE USER EXPERIENCE I
UXD 60104  USABILITY I
UXD 60110  INFORMATION TECHNOLOGIES
UXD 60113  RESEARCHING USER EXPERIENCE II
UXD 60114  USABILITY II

Approved Related Area Courses

Minimum Total Credit Hours: 18

1 Electives are intended to be courses in digital sciences or a related program that complement the enterprise architecture coursework and add depth in an area of interest to the student. For example, a student who feels weak in business processes may choose electives on business strategy or leadership and organizational change. A student who wants further depth related to data architecture may choose electives in information architecture or data mining.

2 These computer science courses are recommended only for students with a computer science background.

3 Maximum 3 credit hours of DSCI 69992DSCI 69992 may be applied toward approved electives in the Enterprise Architecture certificate.

Graduation Requirements

Minimum Certificate GPA 3.000