KENT STATE UNIVERSITY

Roadmap: Digital Sciences – Enterprise Architecture – Bachelor of Science

[DS-BS-DS-ENAR]
School of Digital Sciences
Catalog Year: 2011-2012

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester One: [16 Credit Hours]					
DSCI 10010 Society, Culture and the Digital Sciences	**3**			■	
TECH 10001 Information Technology	**3**			■	
DSCI 10310 My Story on the Web	3			■	
US 10097 Destination Kent State: First Year Experience	1				Not required for transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Two: [15 Credit Hours]					
DSCI 10410 Information Ethics and Social Responsibility	**3**			■	
DSCI 13210 Design Processes and Principles	**3**			■	
DSCI 16010 Telecommunication Infrastructure	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Three: [16 Credit Hours]					
DSCI 24410 Digital Information Management and Processing	**3**			■	
CS 23021 Computer Science I: Programming and Problem Solving	4			■	
CS 23022 Discrete Structures for Computer Science	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Four: [16 Credit Hours]					
MIS 44045 Information Systems Management	**3**	■		■	
CS 33001 Computer Science II: Data Structures and Abstractions	4	■		■	
DSCI 21010 Enterprise Architecture	3			■	
DSCI 23310 Human-Computer Interaction	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Five: [15 Credit Hours]					
DSCI 31510 Global Project Management and Team Dynamics	**3**	■	**C**	■	**Fulfills writing-intensive course requirement**
TECH 36411 Requirements Engineering and Analysis	**3**	■		■	
MIS 34054 Using Information Systems for Solving Business Problems	3	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Elective in Digital Sciences or Related Area	3				Consult DSCI advisor
Semester Six: [15 Credit Hours]					
CS 43005 Introduction to Database System Design *or* **MIS 44043 Data Base Management Systems**	**3**	■		■	
DSCI 31610 Digital Systems Security	**3**	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Elective in Digital Sciences or Related Area	3				Consult DSCI advisor
Semester Seven: [15 Credit Hours]					
DSCI 40910 Capstone in Digital Sciences	**3**	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Elective in Digital Sciences or Related Area (upper division)	3	■			Consult DSCI advisor
General Electives (upper division)	6	■			

KENT STATE UNIVERSITY

Roadmap: Digital Sciences – Enterprise Architecture – Bachelor of Science
[DS-BS-DS-ENAR]
School of Digital Sciences
Catalog Year: 2011-2012

Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Eight: [13 Credit Hours]					
Kent Core Requirement	3				See Kent Core Summary below
General Electives (5 credits upper division)	10	■			Number of credits required depends on meeting minimum 121 credit hours and 39 upper-division credit hours

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Diversity Course Global / Domestic	Writing-Intensive	Minimum Major GPA	Overall GPA
121	39	36	Kent Core or general electives	DSCI 31510	2.0	2.0

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Enrollment based on placement test	3-5
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts*	May fulfill diversity requirement	9
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	May fulfill diversity requirement	6
Basic Sciences (6-7 credit hours) *Must include one laboratory*		6-7
Additional (6 credit hours) *Must be selected from two Kent Core categories*	May fulfill diversity requirement	6

Kent Core
Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement
Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement
Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade.
Visit www.kent.edu/catalog/wic for course list.

Upper-Division Requirement
Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.