



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			■	Offered in fall only
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				
Kent Core Requirement	3				
General Elective	3				
Semester Two: [15 Credit Hours]					
DSCI 10410 Information Ethics and Social Responsibility	3			■	Offered in spring only
DSCI 13210 Design Processes and Principles	3			■	
MIS 24053 Introduction to Computer Applications	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Semester Three: [15 Credit Hours]					
MIS 24065 Web Programming	3			■	
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
Kent Core Requirement	3				
General Elective	3				
Semester Four: [15 Credit Hours]					
DSCI 15310 Computational Thinking and Programming	3			■	
DSCI 34410 Digital Information Management and Processing	3	■		■	Offered in spring only
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				
General Elective	3				
Semester Five: [15 Credit Hours]					
DSCI 41610 Digital Systems Security	3	■		■	Offered in fall only
MIS 44043 Database Management Systems	3	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
General Electives (upper division)	6	■			
Semester Six: [15 Credit Hours]					
DSCI 41510 Global Project Management and Team Dynamics	3	■	C	■	Fulfills writing-intensive course requirement; offered in spring only
TECH 46411 Requirements Engineering and Analysis	3	■		■	
Kent Core Requirement	3				See Kent Core Summary on page 2
General Electives	6				
Semester Seven: [15 Credit Hours]					
DSCI 40910 Capstone in Digital Sciences	3	■		■	Offered in fall only
Approved Elective in Digital Sciences or Related Area	3			■	Consult DSCI advisor
General Electives (upper division)	9	■			
Semester Eight: [15 Credit Hours]					
Approved Elective in Digital Sciences or Related Area	3			■	Consult DSCI advisor
General Electives (6 upper division credit hours)	12	■			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	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum Major GPA	Minimum Overall GPA
121	39	36	Kent Core or general electives	DSCI 31510	Visit www.kent.edu/catalog/elr	2.000	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	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) <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	May fulfill diversity requirement	9
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	May fulfill diversity requirement	6
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>		6-7
Additional (6 credit hours)	May fulfill diversity requirement	6

Approved electives in Digital Sciences or related area (6 credit hours):

COMM 21008 Social Media Strategies	3	ITEC 47413 Digital Video in Education	3
COMM 26001 Public Communication in Society	3	ITEC 47427 Technology and Learning	3
COMM 35600 Communication in Small Groups and Teams	3	ITEC 47430 Computer Applications in Education	3
COMM 43000 Communication Technology and Human Interaction	3	JMC 21001 Principles of Advertising	3
COMM 45006 Media Use and Effects	3	JMC 21008 Social Media Strategies	3
COMM 45957 Language, Meaning and Cognition	3	JMC 28001 Principles of Public Relations	3
COMT 36308 Ergonomics in Computer Systems	3	MIS 24163 Principles of Management*	3
COMT 36318 Survey of Information Security, Internet Fraud and Computer Forensics	3	MIS 34036 Enterprise Systems	3
COMT 36320 Computer Forensics	3	MIS 34054 Using Information Systems for Solving Business Problems	3
COMT 36321 Network Forensics	3	MIS 34068 System Analysis and Design	3
COMT 36330 Local Area Network Security Fundamentals	3	MIS 34070 Programming Theory and Applications	3
CS 10001 Computer Literacy	3	MIS 34161 Managerial and Technological Aspects of Healthcare Systems Management	3
CS 10051 Introduction to Computer Science ^K	4	MIS 44042 Network Theory and Applications	3
CS 13001 Computer Science I-Programming and Problem Solving	4	MIS 44045 Information Systems Management	3
CS 13401 User Level Computer Security	3	MIS 44062 Supply Chain Management	3
CS 23001 Computer Science II-Data Structures and Abstraction	4	PSYC 11762 General Psychology ^K	3
CS 23022 Discrete Structures for Computer Science	3	PSYC 30445 Cognitive Psychology	3
CS 33007 Introduction to Database System Design	3	TECH 10001 Information Technology	3
CS 33223 Unix Tools	3	TECH 26301 Networking Hardware I	3
CS 33901 Software Engineering	3	TECH 36302 Networking Hardware II	3
CS 35101 Computer Architecture	3	TECH 43050 Inventive Problem Solving	3
CS 43202 Systems Administration	3	TECH 46312 Wireless Network and Telecommunication Systems	3
DSCI 10310 My Story on the Web	3	TECH 46330 Visual Basic Programming in Engineering Technology	3
DSCI 23410 Cognition in Technology	3	TECH 46350 Network Management and Design Technology	3
DSCI 26010 Telecommunication Infrastructure	3	VCD 14001 Visual Design Literacy	3
DSCI 31010 Enterprise Architecture	3	VCD 14002 Communicating with Color	3
DSCI 33310 Human-Computer Interaction	3	VCD 34004 Visual Ethics	3
DSCI 49992 Internship in Digital Sciences ^E	1-6	VCD 37000 Visual Design for Media: Advanced	3
DSCI 49996 Individual Investigation in Digital Sciences	1-3		
GEOG 49070 Geographic Information Science	3		

^K Fulfills Kent Core Requirement

^E Fulfills Experiential Learning Requirement

*Equivalent to BMRT 11009 Introduction to Management Technology

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 (2.000) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement (ELR)

To provide students with direct engagement in learning experiences that promote academic relevance, meaning and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr 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.