

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

Critical	Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Type	Term Taken
Semester One [16 Credits]							
!	DSCI 10010 Society, Culture and the Digital Sciences ¹	3			■		
	DSCI 10310 My Story on the Web	3			■		
	US 10097 Destination Kent State: First Year Experience ²	1					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Two [15 Credits]							
!	DSCI 10410 Information Ethics and Social Responsibility ³	3			■		
!	DSCI 13210 Design Processes and Principles ³	3			■		
!	DSCI 15310 Computational Thinking and Programming	3			■		
!	MIS 24053 Introduction to Computer Applications	3			■		
	Kent Core Requirement	3					
Semester Three [16 Credits]							
!	MIS 24065 Web Programming	3			■		
	CS 13001 Computer Science I-Programming and Problem Solving	4			■		
	DSCI 23410 Cognition in Technology ¹	3			■		
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Four [16 Credits]							
!	DSCI 34410 Digital Information Management and Processing ³	3	■		■		
	CS 23001 Computer Science II-Data Structures and Abstraction	4			■		
	CS 23022 Discrete Structures for Computer Science	3			■		
	DSCI 33310 Human-Computer Interaction ³	3	■		■		
	Kent Core Requirement	3					
Semester Five [15 Credits]							
!	DSCI 41610 Digital Systems Security ¹	3	■		■		
	CS 33901 Software Engineering ¹	3	■		■		
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	Approved Electives in Digital Sciences or Related Area ⁶	3			■		
Semester Six [15 Credits]							
!	CS 33007 Introduction to Database System Design ³	3	■		■		
!	DSCI 41510 Project Management and Team Dynamics ^{3,5}	3	■	C	■	WIC	
!	TECH 46411 Requirements Engineering and Analysis	3	■		■		
	Kent Core Requirement	3					
	Approved Electives in Digital Sciences or Related Area ⁶	3			■		
Semester Seven [15 Credits]							
!	DSCI 40910 Capstone in Digital Sciences ¹	3	■		■	ELR	
	Kent Core Requirement	3					
	Kent Core Requirement	3					
	General Electives ⁴	6					
Semester Eight [12 Credits]							
	Approved Electives in Digital Sciences or Related Area ⁶	3			■		
	General Electives ⁴	9					

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.000	2.000

1. Offered in fall only
2. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.
3. Offered in spring only
4. Total credit hours depend on meeting minimum 120 credit hours and minimum 39 upper-division hours.
5. Minimum C (2.000) grade required in DSCI 41510 to fulfill the writing-intensive requirement.

6. Approved Electives in Digital Sciences or Related Area (9 credit hours)

Choose from the following pre-approved electives or consult with a DSCI advisor for alternatives:	
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 41000 Sports Communication (3)	JMC 20001 Media, Power and Culture (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 36310 Multimedia Development Tools (3)	MIS 34036 Enterprise Systems (3)
COMT 36318 Survey of Information Security, Internet Fraud and Computer Forensics (3)	MIS 34054 Using Information Systems for Solving Business Problems (3)
	MIS 34068 Systems Analysis and Design (3)
COMT 36320 Computer Forensics (3)	MIS 34070 Programming Theory and Applications (3)
COMT 36321 Network Forensics (3)	MIS 34158 Managerial and Technological Aspects of Healthcare Systems Management (3)
COMT 36330 Local Area Network Security Fundamentals (3)	
CS 10001 Computer Literacy (3)	MIS 34165 Dynamics of Leadership (3)
CS 10051 Introduction to Computer Science (4)	MIS 44042 Network Theory and Applications (3)
CS 13001 Computer Science I-Programming and Problem Solving (4)	MIS 44043 Database Management Systems (3)
CS 13401 User Level Computer Security (3)	MIS 44045 Information Systems Management (3)
CS 23001 Computer Science II-Data Structures and Abstraction (4)	MIS 44062 Supply Chain Management (3)
CS 23022 Discrete Structures for Computer Science (3)	PSYC 11762 General Psychology (3)
CS 33007 Introduction to Database System Design (3)	PSYC 40445 Cognitive Psychology (3)
CS 33223 Unix Tools (3)	TECH 10001 Information Technology (3)
CS 33901 Software Engineering (3)	TECH 26301 Networking Hardware I (3)
CS 35101 Computer Architecture (3)	TECH 36302 Networking Hardware II (3)
CS 43202 Systems Administration (3)	TECH 43050 Inventive Problem Solving (3)
DSCI 10310 My Story on the Web (3)	TECH 46312 Wireless Network and Telecommunication Systems (3)
DSCI 23410 Cognition in Technology (3)	TECH 46330 Visual Basic Programming in Engineering Technology (3)
DSCI 26010 Telecommunication Infrastructure (3)	TECH 46350 Network Management and Design Technology (3)
DSCI 31010 Enterprise Architecture (3)	VCD 14001 Visual Design Literacy (3)
DSCI 33310 Human-Computer Interaction (3)	VCD 14002 Communicating With Color (3)
DSCI 49992 Internship in Digital Sciences (1 - 6)	VCD 34004 Visual Ethics (3)
DSCI 49996 Individual Investigation in Digital Sciences (1-3)	VCD 37000 Visual Design for Media: Advanced (3)
GEOG 49070 Geographic Information Science (4)	

University Requirements Summary

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	Kent Core I. Composition Enrollment based on placement test	visit www.kent.edu/catalog/kent-core	6
KMC	Kent Core II. Mathematics and Critical Reasoning Enrollment based on placement test	visit www.kent.edu/catalog/kent-core	3
KHU	Kent Core III. Humanities Minimum one course from humanities in Arts and Sciences; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFA	Kent Core IV. Fine Arts Minimum one course from the fine arts; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFH	Kent Core V. Humanities or Fine Arts One additional course from either the humanities or fine arts category, may fulfill diversity requirement.	visit www.kent.edu/catalog/kent-core	3
KSS	Kent Core VI. Social Sciences Must be selected from two curricular areas; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	6
KBS	Kent Core VII. Basic Sciences Must include one laboratory	visit www.kent.edu/catalog/kent-core	6
KAD	Kent Core VIII. Additional May fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	6
DD	Domestic Diversity Course Requirement Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
DG	Global Diversity Course Requirement Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
ELR	Experiential Learning Requirement Either course or non-course experience approved by the appropriate faculty member	DSCI 40910	fulfilled
WIC	Writing-Intensive Course Requirement Minimum C (2.000) grade	DSCI 41510	fulfilled