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	Min. Grade	Major GPA	Attribute	Notes
Semester One [16 Credits]						
!	**DSCI 10010 Society, Culture and the Digital Sciences** [1]	**3**		■		
	UC 10097 Destination Kent State: First Year Experience [2]	1				
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	Approved Electives in Digital Sciences (DSCI) [6]	3		■		
	Approved Electives in Digital Sciences or Related Area [6]	3		■		
Semester Two [15 Credits]						
!	**DSCI 10410 Information Ethics and Social Responsibility** [3]	**3**		■		
!	**DSCI 13210 Design Processes and Principles** [3]	**3**		■		
!	**MIS 24053 Introduction to Computer Applications**	**3**		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
Semester Three [15 Credits]						
!	**MIS 24065 Web Programming**	**3**		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	Approved Electives in Digital Sciences (DSCI) [6]	3		■		
	Approved Electives in Digital Sciences or Related Area [6]	3		■		
Semester Four [15 Credits]						
!	**DSCI 15310 Computational Thinking and Programming**	**3**		■		
!	**DSCI 34410 Digital Information Management and Processing** [3]	**3**		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	Approved Electives in Digital Sciences (DSCI) [6]	3		■		
Semester Five [15 Credits]						
!	**DSCI 41610 Digital Systems Security** [1]	**3**		■		
!	**MIS 44043 Database Management Systems**	**3**		■		
	Kent Core Requirement	3				
	Kent Core Requirement	3				
	Approved Electives in Digital Sciences or Related Area [6]	3		■		
Semester Six [15 Credits]						
!	**DSCI 41510 Project Management and Team Dynamics** [3]	**3**	C [5]	■	WIC	
!	**TECH 46411 Requirements Engineering and Analysis**	**3**		■		
	Kent Core Requirement	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	
	Approved Electives in Digital Sciences or Related Area [6]	6		■		
	General Electives [4]	6				
Semester Eight [14 Credits]						
	Approved Electives in Digital Sciences or Related Area [6]	3		■		
	General Electives [4]	11				

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours 30000 – 40000 level course	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.000	2.000

1. Offered in fall only.

2. UC 10097 is not required of transfer students with 25 credits (excluding College Credit Plus) 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 (a total of 30 credit hours are required with a of minimum 9 credit hours of DSCI courses)

Choose from the following pre-approved electives or consult with a DSCI advisor for alternatives:	
CADT 22005 Multimedia and Game Design (2)	ENG 20002 Introduction to Technical Writing (3)
COMM 21008 Social Media Strategies (3)	ENG 30062 Principles of Technical Writing (3)
COMM 26001 Public Communication in Society (3)	ENG 30063 Professional Writing (3)
COMM 35600 Communication in Small Groups and Teams (3)	ENTR 27056 Introduction to Entrepreneurship (3)
COMM 41000 Sports Communication (3)	GEOG 29160 Mapping our World (3)
COMM 43000 Communication Technology and Human Interaction (3)	GEOG 49070 Geographic Information Science (4)
COMM 45006 Media Use and Effects (3)	GEOG 49076 Spatial Programming (3)
COMM 45957 Language, Meaning and Cognition (3)	GEOG 49080 Advanced Geographic Information Science (3)
COMT 20021 C Sharp Programming (3)	GEOG 49085 Web and Mobile Geographic Information Science (3)
COMT 21200 Ethical Hacking (3)	GEOG 49162 Cartography and Geovisualization (3)
COMT 36302 Advanced C Sharp Programming (3)	GEOG 49163 Cartography and Geovisualization Laboratory (1)
COMT 36308 Ergonomics in Computer Systems (3)	ITEC 47413 Digital Video in Education (3)
COMT 36310 Multimedia Development Tools (3)	ITEC 47427 Technology and Learning (3)
COMT 36318 Survey of Information Security, Internet Fraud and Computer Forensics (3)	ITEC 47430 Computer Applications in Education (3)
	JMC 20001 Media, Power and Culture (3)
COMT 36320 Computer Forensics (3)	JMC 21001 Principles of Advertising (3)
COMT 36321 Network Forensics (3)	JMC 21008 Social Media Strategies (3)
COMT 36330 Local Area Network Security Fundamentals (3)	JMC 28001 Principles of Public Relations (3)
COMT 42000 Social Media Security (3)	MIS 24163 Principles of Management (3) [1]
CS 10001 Computer Literacy (3)	MIS 34036 Enterprise Systems and Business Processes (3)
CS 10051 Introduction to Computer Science (4) [KMC]	MIS 34054 Using Information Systems for Solving Business Problems (3)
CS 13001 Computer Science I-Programming and Problem Solving (4)	MIS 34060 Operations Management (3)
CS 13011 Computer Science IA - Procedural Programming (2)	MIS 34068 System Analysis and Design (3)
CS 13012 Computer Science IB - Object Oriented Programming (2)	MIS 34070 Programming Theory and Applications (3)
CS 13401 User Level Computer Security (3)	MIS 34158 Managerial and Technological Aspects of Healthcare Systems Management (3)
CS 23001 Computer Science II-Data Structures and Abstraction (4)	
CS 23022 Discrete Structures for Computer Science (3)	MIS 34165 Dynamics of Leadership (3)
CS 33007 Introduction to Database System Design (3)	MIS 44042 Network Theory and Applications (3)
CS 33101 Structure of Programming Languages (3)	MIS 44043 Database Management Systems (3)
CS 33211 Operating Systems (3)	MIS 44045 Information Systems Management (3)
CS 33223 Unix Tools (3)	MIS 44049 Network Management and Cybersecurity (3)
CS 33901 Software Engineering (3)	MIS 44062 Supply Chain Management (3)
CS 35101 Computer Architecture (3)	PSYC 11762 General Psychology (3) [KSS]
CS 43202 Systems Administration (3)	PSYC 40445 Cognitive Psychology (3)
CS 43203 Systems Programming (3)	TECH 10001 Information Technology (3)
CS 46101 Design and Analysis of Algorithms (3)	TECH 26010 Introduction to Computer Engineering Technology (3)
DSCI 10310 My Story on the Web (3)	TECH 26301 Networking Hardware I (3)
DSCI 19995 Special Topics in Digital Sciences (1-4)	TECH 33010 Computer Hardware (3)
DSCI 23410 Cognition in Technology (3)	TECH 36302 Networking Hardware II (3)
DSCI 26010 Telecommunication Infrastructure (3)	TECH 43050 Inventive Problem Solving (3)
DSCI 29995 Special Topics in Digital Sciences (1-4)	TECH 43222 Computer Hardware Engineering and Architecture (3)
DSCI 31010 Enterprise Architecture (3)	TECH 46312 Wireless Network and Telecommunication Systems (3)
DSCI 33310 Human-Computer Interaction (3)	TECH 46330 Visual Basic Programming in Engineering Technology (3)
DSCI 39995 Special Topics in Digital Sciences (1-4)	TECH 46350 Network Management and Design Technology (3)
DSCI 49910 Emerging Technologies in Digital Sciences (1-3)	VCD 14001 Visual Design Literacy (3)
DSCI 49992 Internship in Digital Sciences (1-6)	VCD 14002 Communicating with Color (3)
DSCI 49995 Special Topics in Digital Sciences (1-4)	VCD 34004 Visual Ethics (3)
DSCI 49996 Individual Investigation in Digital Sciences (1-3)	VCD 37000 Visual Design for Media: Advanced (3)

1. Equivalent to BMRT 11009 Introduction to Management Technology

University Requirements: Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

Attribute Legend: **DD** Diversity–Domestic; **DG** Diversity–Global; **ELR** Experiential Learning; **KAD** Kent Core Additional; **KBS** Kent Core Basic Sciences; **KCM** Kent Core Composition; **KFA** Kent Core Fine Arts: **KHU** Kent Core Humanities; **KMC** Kent Core Mathematics and Critical Reasoning; **KSS** Kent Core Social Sciences; **WIC** Writing Intensive