

# DIGITAL SCIENCES - MINOR

## College of Communication and Information

School of Digital Sciences  
 129 Taylor Hall  
 Kent Campus  
 330-672-9105  
 digital-sciences@kent.edu  
 www.kent.edu/dsci

## Description

The Digital Sciences minor is designed to complement a wide range of majors, including computer science, fashion, computer information systems, visual communication design, journalism and mass communication, communication studies.

The minor includes curriculum that focus on developing a content-rich website and on making a web page or software application easier to use. The minor also provides options for students to explore either societal or ethical issues involving technology; explore either design thinking or programming; and explore either security, project management, information management or enterprise architecture.

## Fully Offered At:

- Kent Campus

## Admission Requirements

Admission to a minor is open to students declared in a bachelor's degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

## Minor Requirements

[DS]

Code	Title	Credit Hours
<b>Minor Requirements</b>		
DSCI 10010	SOCIETY, CULTURE AND THE DIGITAL SCIENCES	3
or DSCI 10410	INFORMATION ETHICS AND SOCIAL RESPONSIBILITY	
DSCI 10310	MY STORY ON THE WEB	3
Programming Elective, choose from the following:		3-4
CS 13011 & CS 13012	COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING	
or CS 13001	COMPUTER SCIENCE I: PROGRAMMING AND PROBLEM SOLVING	
DSCI 15310	COMPUTATIONAL THINKING AND PROGRAMMING	
MIS 34070	PROGRAMMING THEORY AND APPLICATIONS	
Design Elective, choose from the following:		3
DSCI 13210	DESIGN PROCESSES AND PRINCIPLES	
FDM 10053 & FDM 10054	INTRODUCTION TO FASHION TECHNOLOGY and INTRODUCTION TO FASHION TECHNOLOGY LABORATORY	

VCD 13000	DESIGN: PRINCIPLES, PROCESSES AND PRACTICE	
Digital Sciences Elective, choose from the following:		3
DSCI 31010	ENTERPRISE ARCHITECTURE	
DSCI 33310	HUMAN-COMPUTER INTERACTION	
DSCI 34410	DIGITAL INFORMATION MANAGEMENT AND PROCESSING	
DSCI 41510	PROJECT MANAGEMENT AND TEAM DYNAMICS (WIC)	
DSCI 41610	DIGITAL SYSTEMS SECURITY	
Digital Sciences or Related Area Elective, choose from the following: <sup>1</sup>		3
COMM 35600	COMMUNICATION IN SMALL GROUPS AND TEAMS	
COMM 41000	SPORTS COMMUNICATION	
COMM 43000	COMMUNICATION TECHNOLOGY AND HUMAN INTERACTION	
COMM 45006	MEDIA USE AND EFFECTS	
COMM 45957	LANGUAGE, MEANING AND COGNITION	
CS 33007	INTRODUCTION TO DATABASE SYSTEM DESIGN	
CS 33101	STRUCTURE OF PROGRAMMING LANGUAGES	
CS 33211	OPERATING SYSTEMS	
CS 33223	UNIX TOOLS	
CS 33901	SOFTWARE ENGINEERING	
CS 35101	COMPUTER ARCHITECTURE	
CS 43202	SYSTEMS ADMINISTRATION	
CS 43203	SYSTEMS PROGRAMMING	
CS 46101	DESIGN AND ANALYSIS OF ALGORITHMS	
DSCI 31010	ENTERPRISE ARCHITECTURE	
DSCI 39995	SPECIAL TOPICS IN DIGITAL SCIENCES	
DSCI 49910	EMERGING TECHNOLOGIES IN DIGITAL SCIENCES	
DSCI 49995	SPECIAL TOPICS IN DIGITAL SCIENCES	
ENG 30062	PRINCIPLES OF TECHNICAL WRITING	
ENG 30063	PROFESSIONAL WRITING	
ETEC 47427	TECHNOLOGY AND LEARNING	
GEOG 49070	GEOGRAPHIC INFORMATION SCIENCE	
GEOG 49076	SPATIAL PROGRAMMING	
GEOG 49080	ADVANCED GEOGRAPHIC INFORMATION SCIENCE	
GEOG 49085	WEB AND MOBILE GEOGRAPHIC INFORMATION SCIENCE	
GEOG 49162	CARTOGRAPHY AND GEOVISUALIZATION	
GEOG 49163	CARTOGRAPHY AND GEOVISUALIZATION LABORATORY	
IT 36302	ADVANCED C# PROGRAMMING	
IT 36308	ERGONOMICS IN COMPUTER SYSTEMS	
IT 36310	MULTIMEDIA DEVELOPMENT TOOLS	
IT 36318	SURVEY OF INFORMATION SECURITY, INTERNET FRAUD AND COMPUTER FORENSICS (WIC)	
IT 36320	COMPUTER FORENSICS	
IT 36321	NETWORK FORENSICS	
IT 36330	LOCAL AREA NETWORK SECURITY FUNDAMENTALS	
IT 42000	SOCIAL MEDIA SECURITY	
MIS 34036	ENTERPRISE SYSTEMS AND BUSINESS PROCESSES	

MIS 34054	USING INFORMATION SYSTEMS FOR SOLVING BUSINESS PROBLEMS
MIS 34060	OPERATIONS MANAGEMENT
MIS 34068	SYSTEMS ANALYSIS AND DESIGN
MIS 34070	PROGRAMMING THEORY AND APPLICATIONS
MIS 34158	MANAGERIAL AND TECHNOLOGICAL ASPECTS OF HEALTHCARE SYSTEMS MANAGEMENT
MIS 34165	DYNAMICS OF LEADERSHIP
MIS 44042	NETWORK THEORY AND APPLICATIONS
MIS 44043	DATABASE MANAGEMENT SYSTEMS
MIS 44045	INFORMATION SYSTEMS MANAGEMENT
MIS 44049	NETWORK MANAGEMENT AND CYBERSECURITY
MIS 44062	SUPPLY CHAIN MANAGEMENT
PSYC 40445	COGNITIVE PSYCHOLOGY
TECH 33010	COMPUTER HARDWARE
TECH 36302	NETWORKING HARDWARE II
TECH 43050	INVENTIVE PROBLEM SOLVING
TECH 43222	COMPUTER HARDWARE ENGINEERING AND ARCHITECTURE
TECH 46312	WIRELESS NETWORK AND TELECOMMUNICATION SYSTEMS
TECH 46330	VISUAL BASIC PROGRAMMING IN ENGINEERING TECHNOLOGY
TECH 46350	NETWORK MANAGEMENT AND DESIGN TECHNOLOGY
VCD 34004	VISUAL ETHICS
VCD 37000	VISUAL DESIGN FOR MEDIA: ADVANCED
Elective approved by an advisor	
Minimum Total Credit Hours:	18

<sup>1</sup> Requests for consideration of another elective should be submitted to the student's advisor in the School of Digital Sciences.

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## Graduation Requirements

### Minimum Minor GPA

2.000

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).