

MASTER OF SCIENCE IN COMPUTER INFORMATION SYSTEMS | FALL 2023

CIS TRACK

CYBER SECURITY

DATA SCIENCE

I.T. MANAGEMENT

SOFTWARE DEVELOPEMENT

PREREQS

Can be taken at Parkside or your home institution

MIS 327 | INFRASTRUCTURE OR CS 370 | OPERATING SYSTEMS OR CS 477 | NETWORKS COMM | 3 CR EACH

MIS 328 / CS 380 | DATABASE MANAGEMENT SYSTEMS | 3 CR

CS 241 | COMP SCIENCE I | 5 CR

CS 242 | COMP SCIENCE II | 4 CR

OR

PLACEMENT EXAM | If you pass you don't take CS 241 or 242

CORE COURSES 15 CREDITS

MBA 716	PROJECT MANAGEMENT 2 CR FALL & SPRING	Online Evening
CIS 710	DATA SCIENCE FOR CS 3 CR FALL	Programming Paradigms Prereq Evening
CIS 774	PROGRAMMING PARADIGMS 3 CR FALL	Evening
CIS 779	INFORMATION SYSTEMS SECURITY 3 CR SPRING	Evening
CIS 795	RESEARCH METHODS IN CIS 3 CR SPRING	PREREQ 6 CIS cr Evening
CIS 798	CIS SEMINAR 1 CR FALL	Evening

ELECTIVE COURSES 15 CREDITS

9 cr in your track
6 cr in any track

CIS 677 | 3 CR
COMPUTER COMMUNICATIONS & NETWORKS
PREREQ | Placement Exam or CS 242
Fall

CIS 645 | 3 CR
WEB SECURITY
PREREQ | Placement Exam or CIS 774
Summer

CIS 678 | 3 CR
NETWORK SECURITY
Fall

CIS 679 | 3 CR
SECURITY RISK
PREREQ | any security course
Summer

CIS 605 | 3 CR
ARTIFICIAL INTELLIGENCE
Spring

CIS 611 | 3 CR
DATA SCIENCE PROGRAMMING & VISUALIZATION
PREREQ | CIS 774 and CIS 710
Spring

CIS 612 | 3 CR
DATA MINING & MACHINE LEARNING
PREREQ | CIS 611 and CIS 710
Fall

CIS 614 | 3 CR
DEEP LEARNING
PREREQ | CIS 710
Spring

CIS 615 | 3 CR
DATA SCIENCE/MACHINE LEARNING PROJECT
PREREQ | CIS 710 or CIS 605
Summer

MBA 729 | 2 CR
TECH DATA ANALYTIC

MBA 761 | 2 CR
OPTIMIZATION TECHNIQUES
Spring

MBA 762 | 2 CR
SUPPLY CHAIN ANALYTICS

CIS 624 | 3 CR
ADVANCED BUSINESS DATA COMMUNICATIONS

CIS 625 | 3 CR
SYSTEM ANALYSIS & DESIGN

CIS 641 | 3 CR
ADVANCED PROJECT MANAGEMENT TOOLS
Spring

CIS 642 | 3 CR
PROJECT MANAGEMENT SIMULATION
Spring

CIS 645 | 3 CR
WEB APPLICATION SECURITY
PREREQ | CIS 774

CIS 678 | 3 CR
NETWORK SECURITY
Fall

CIS 681 | 3 CR
SECURITY RISK
Summer

MBA 502 | 2 CR
ACCOUNTING & FINANCE

MBA 715 | 2 CR
ADVANCED OPERATIONS MANAGEMENT

MBA 718 | 2 CR
GLOBAL SUPPLY CHAIN MANAGEMENT

MBA 720 | 2 CR
I.T. BUSINESS DECISION MAKING

MBA 729 | 2 CR
TECH DATA ANALYTICS
Spring

MBA 761 | 2 CR
OPTIMIZATION TECH
Fall

MBA 762 | 2 CR
SUPPLY CHAIN ANALYTICS
Spring

CIS 523 | 3 CR
MOBILE DEVELOPMENT IN ANDROID
Fall

CIS 524 | 3 CR
MOBILE DEVELOPMENT IN IOS
Spring

CIS 540 | 3 CR
DATA STRUCTURES & ALGORITHM DESIGN
Spring

CIS 570 | 3 CR
OPERATING SYSTEMS
Fall

CIS 605 | 3 CR
ARTIFICIAL INTELLIGENCE
Spring

CIS 620 | 3 CR
COMPUTER GRAPHICS
PREREQ | CIS 540

CIS 621 | 3 CR
COMPUTER VISION
PREREQ | CIS 774

CIS 640 | 3 CR
COMPILER DESIGN & IMPLEMENTATION
PREREQ | CIS 774

CIS 645 | 3 CR
WEB APPLICATION SECURITY
Summer

CIS 674 | 3 CR
CLIENT/SERVER DEVELOPMENT
PREREQ | CIS 524 or CIS 523
Fall

CIS 675 | 3 CR
SOFTWARE ENGINEERING PRINCIPLES AND PRACTICE
Fall

CIS 676 | 3 CR
SOFTWARE ENGINEERING/PROJECT MANAGEMENT
PREREQ | CIS 625 or CIS 675

CIS 677 | 3 CR
COMPUTER COMMUNICATION & NETWORKS
Fall

CIS 680 | 3 CR
ADVANCED DATABASES

TOTAL
30 CREDITS
FOR MASTERS
COMPLETION

*ALL COURSE SCHEDULING IS SUBJECT TO CHANGE

UNIVERSITY OF
WISCONSIN **PARKSIDE**

CONTACT

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