

COLLEGE OF BUSINESS
Major: Information Systems – 27-33 credits
2021-2022

Required Courses – 18 credits	Semester	Prerequisite course(s)
Choose one of the following:		
INFO SYS 201 Intro to Business App Develop	Fall/Spring	MATH 104, 106, 171, 204 or 206
COMP SCI 221 OO Design & Programming I	Fall/Spring	(MATH 104 or 108 or 206 w/C) or (CS 142) or placement to MATH 171
Required Courses		
INFO SYS 314 System Analysis & Design	Fall	c/INFO SYS 311 or CS 271
INFO SYS 315 Database Systems in Business	Spring	(INFO SYS 311) or (MHR 381) or (CS 271 w/C)
INFO SYS 316 Networking & Data Communications	Spring	INFO SYS 311 w/C or CS 271 w/C
INFO SYS 318 Agile App Development in C#	Fall/Spring	INFO SYS 201 w/C or CS 221 w/C
INFO SYS 417 IS Strategy and Management	Spring	INFO SYS 314, INFO SYS 315, INFO SYS 318 and Admit to COB, Senior Standing, Last semester of enrollment, complete or concurrent with BUS 340 or BUS 442 and have submitted a graduation application

PLUS: Choose one of the following emphases to complete major (9-15 credits)

Business Analysis Emphasis			9 credits
COMM 213/214 Interpersonal Communication	Fall/Spring		
INFO SYS 414 Business Analysis	Spring		INFO SYS 311
Plus 3 credits from:			
COMM 318 Intercultural Communication (ES)			(COMM 104 and c/COMM 213/214) or (instructor consent)
COMM 416 Managerial Communication			(COMM 104 and COMM 280) or (c/ COMM 368) or (instructor consent)
INFO SYS 481 Strategic IS Project Management	Fall		Complete 4 core course
MHR/EGRT 360 Engineering Project Management	Fall/Spring		
APC 380 Project Management Techniques			(APC 370) or (approval from instructor)

Cybersecurity Emphasis			9 credits
INFO SYS 411 Enterprise Security Management	Spring		INFO SYS 311
INFO SYS 412 Securing the Network	Fall		INFO SYS 311 and INFO SYS 316
Plus 3 credits from:			
APC 380 Project Management Techniques			(APC 370) or (approval from instructor)
COMP SCI 326 Computer Security			(COMP SCI 212 w/C and COMP SCI 271 w/ C)
COMP SCI 361 Database Systems			(COMP SCI 212 w/C and COMP SCI 271 w/ C)
INFO SYS 414 Business Analysis	Spring		INFO SYS 311
INFO SYS 432 Agile Web Design & Development	Fall		(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 221)
INFO SYS 433 Mobile Application Development	Spring		(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 262)
INFO SYS 445 Intro to ERP	Fall		INFO SYS 311
INFO SYS 481 Strategic IS Project Management	Fall		Complete 4 core course
MHR/EGRT 360 Engineering Project Management	Fall/Spring		

Enterprise Resource Planning (ERP) Emphasis			9 credits
INFO SYS 445 Intro to ERP	Fall		INFO SYS 311
INFO SYS 446 ERP Config & Implementation	Spring		INFO SYS 445
Plus 3 credits from:			
ACCT 305 Accounting Information Systems	Spring		ACCT 301 and INFO SYS 311
INFO SYS 481 Strategic IS Project Management	Fall		Complete 4 core course
MHR/EGRT 360 Engineering Project Management	Fall/Spring		

Web & Mobile Development Emphasis			9 credits
INFO SYS 432 Agile Web Design & Development	Fall		(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 221)
INFO SYS 433 Mobile Application Development	Spring		(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 262)
Plus 3 credits from:			
CS 247 Introduction to Usability			(CS 142 w/C or CS 221 w/C or INFO SYS 318 w/C)
INFO SYS 350 E-Commerce Technology Mgmt	Fall		(INFO SYS 311) and (CS 125 or INFO SYS 201)
INFO SYS 481 Strategic IS Project Management	Fall		Complete 4 core course

Computer Science Emphasis			12-14 credits
INFO SYS 432	Agile Web Design & Development	Fall	(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 221)
INFO SYS 433	Mobile Application Development	Spring	(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 262)
Plus 6 credits from:			
COMP SCI 251	Com Architect & Assembly Lang		COMP SCI 221 w/C
COMP SCI 262	Object Oriented Design & Program II		MATH 108 w/C or higher math placement & COMP SCI 221 w/C
COMP SCI 271	Data Structures		COMP SCI 262 w/C or CS majors c/COMP SCI 251
COMP SCI 341	Software Engineering I		COMP SCI 271 or COMP SCI 262 w/C and junior standing
COMP SCI 346	Web Software Development		COMP SCI 262 w/C
COMP SCI 371	Computer Graphics		COMP SCI 262 w/C and (MATH 171 or MATH 206 w/C)

Networking Technologies Emphasis		15 credits
<i>Note: this emphasis is offered in partnership with Fox Valley Technical College (FVTC) and will require courses taken at FVTC.</i>		
Required courses from FVTC	UW Oshkosh Course Equivalent	
10-150-116 Network Infrastructure I	INFO SYS 230 Network Hardware Technology	
10-150-122 Network Infrastructure II	INFO SYS 231 Advanced Network Hardware Technology	
10-150-150 Virtualization Technologies	INFO SYS 232 Virtualization Technologies	
Plus 6 credits from:		
At least six credits of 300/400 level Information Systems courses previously not taken, at least three of which must be 400 level.		

Information Systems major with no emphasis; take 3 of these courses			9 credits
CS 247	Introduction to Usability		(CS 142 w/C or CS 221 w/C or INFO SYS 318 w/C)
INFO SYS 432	Agile Web Design & Development	Fall	(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 221)
INFO SYS 433	Mobile Application Development	Spring	(INFO SYS 315 or CS 361) and (INFO SYS 318 or CS 262)
INFO SYS 445	Intro to ERP	Fall	INFO SYS 311
INFO SYS 446	ERP Config & Implementation	Spring	INFO SYS 445
INFO SYS 474	Honors Thesis		
INFO SYS 481	Strategic IS Project Management	Fall	Complete 4 core course

NOTE:

- Emphasis requirements appear on Advisement Report when you declare a specific emphasis within the IS major
- Most INFO SYS courses are ONLY available in fall OR spring and can be prerequisites to other courses in the IS major.
- Students cannot earn both Computer Science & Web Presence emphasis
- **Residency Requirement:** INFO SYS 417 + nine 300/400 level INFORMATION SYSTEM credits must be taken at UWO.
- **See your advisor for suggested course sequence.**