Information Systems
Graduation Requirements Checklist – Fall 2023

All courses taken to satisfy the Information Systems major requirements must be taken for a letter grade and completed with a grade of C or higher. Students may not elect the P/NC option for any of the courses in the major.

Information Systems Courses[1]			
Number	**Title**	**Grade**	**Semester**
CSE114	Introduction to Object-Oriented Programming		
CSE214	Data Structures		
ISE218	Fundamentals of Information Technology		
ISE300	or EST304 (Technical Communications)		
ISE312	Legal, Social, and Ethical Issues in Information Systems		
ISE305	Database Design and Practice		
CSE310	or ISE316 (Introduction to Networking)		
ISE320	or BUS340 (Information Management)		
ISE____	4 upper division ISE or CSE courses[2]		
ISE____			
ISE____			
ISE____			
Mathematics Courses			
Number	**Title**	**Grade**	**Semester**
AMS151	or MAT131 or MAT141 or MAT125/126		
AMS161	or CSE215 or MAT132 or MAT142 or MAT127		
AMS210	or MAT211		
AMS310	or ECO320 (Mathematical Statistics) or AMS110 (Probability and Statistics in the Life Sciences)		
Specialization			

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[1] At least two courses from among ISE312, ISE305, ISE218, and ISE320 must be completed at SBU. [2] ISE475 and ISE488 may be used to satisfy an ISE upper-division elective requirement, but each course may only be counted once towards the ISE upper-division elective requirement.

Students must complete a specialization in one of the defined application areas (Business & Economics, Technological Systems Management, System & Network Administration, or Digital Media), or else design a specialization of six to eight courses in another application area in consultation with the ISE Undergraduate Director before the courses for the specialization are completed.