Information Systems
Graduation Requirements Checklist – Fall 2012

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**	**Prereq.**	**Grade**	**Semester**
ISE102	Web Design and Programming			
ISE108	Introduction to Programming			
ISE208	Intermediate Programming	ISE108		
ISE215 (Foundations of Computer Science)	or ISE218 (Computer Organization)	ISE215 prereqs (AMS151 or MAT125 or MAT131)		
ISE300	Technical Communications[2]	WRT102		
ISE312	Legal, Social, and Ethical Issues in Information Systems			
ISE305	Database Design and Practice	ISE208		
ISE311 (Systems Administration)	or ISE321 (Network Administration)	ISE208		
ISE320	Information Management			
ISE____	4 upper division ISE courses			
ISE____				
ISE____				
ISE____				
Mathematics Courses				
Number	**Title**	**Prereq.**	**Grade**	**Semester**
AMS151	or MAT131 or MAT141 or MAT125/126			
AMS210	or MAT211			
AMS310	or ECO320			

[1] At least two courses from among ISE312, ISE305, ISE308, ISE311, and ISE320 must be completed at SBU.
[2] EST304 (Communications for Engineers and Scientists) may be substituted for ISE300.

Specializations[3]				
Specialization: Business & Economics				
Number	**Title**	**Prereq.**	**Grade**	**Semester**
BUS111[4]	Introduction to Business			
ECO108	Introduction to Economics			
BUS210	Financial Accounting			
1. One of the following: • BUS 214, 346, 349, 355, 356 • ECO 348, 389 • EST 392, 393 • ESE 201				
2. One of the following: • BUS 348 • ECO 326, 345 • POL 319, 359, 364 • SOC 381				
3. One of the following: • BUS 343 • EST 302, 305, 320, 325				
Specialization: Technological Systems Management				
Number	**Title**	**Prereq.**	**Grade**	**Semester**
EST 202	Intro to Science, Technology & Society Studies			
EST 391	Technology Assessment			
EST 392	Engineering & Managerial Economics			
EST 393	Project Management			
Two elective courses from the following: • EST310/ISE340 • EST320 • EST/ISE323 • EST326 • EST327 • EST421				

[3] Students must complete a specialization in Business and Economics or Technological Systems Management. Alternatively, a student may design a specialization in another application area of information systems in consultation with the ISE Undergraduate Director before the courses for the specialization are completed.

[4] BUS110 or BUS115 may be substituted for BUS111