

Information Systems

System & Network Administration Specialization Checklist – Fall 2025

Policy Note: Each course in the specialization cannot also be used to satisfy a requirement in the ISE Major.

Specialization Requirements

Requirement	Course Options	Grade	Semester
Requirement 1	ISE 311 (System Administration)		
Requirement 2	ISE 321 (Network Administration)		
Requirement 3	ISE 331 (Computer Security) <i>or</i> CSE 331 (Computer Security Fundamentals)		
Requirement 4	ISE 337 (Scripting Languages) <i>or</i> CSE 337 (Scripting Languages)		
Requirement 5	ISE 488 (Internship) <i>or</i> ISE 487 (Research in Information Systems)		
Requirement 6	<i>Select one from:</i> • ESE 442 (Recent Advances in Communications and Networks) • CSE 370 (Wireless and Mobile Networking) • EST 393 (Project Management)		

Requirement	Course Options	Grade	Semester
	• BUS 393 (Principles of Project Management) • BUS 346 (Management and Operations) • AMS 341 (Operations Research I)		

Specialization Footnotes & Policy Notes

1. **ISE 391 Substitution:** Also eligible when offered as ISE 391 (Spring 2013).
2. **CSE/ISE 390 Substitution:** Also eligible when offered as CSE 390 / ISE 390 (Fall 2011).
3. **ISE 488 Internship Policy:** Cannot also be used as an ISE upper-division elective unless the two completions of ISE 488 involved work at different organizations.