

CYBER SECURITY CONCENTRATION (MBA/MSIS)

Concentration in Cyber Security

The Graduate Concentration in Cyber Security provides graduate students within the Hankamer School of Business exposure to 'best practice' concepts, techniques and methodologies critical to insuring data security in corporate/organizational environments. Furthermore, it is targeted towards addressing recent calls from the academic literature and professional journals to treat cyber security as a strategic organizational function rather than a back-office technical function. The purpose of the Concentration is to provide business graduate students with the necessary skills to develop and/or manage organizational processes, strategies, methodologies, and technologies designed to mitigate risks to the confidentiality, integrity, and availability of organizational data and information-related resources for preparation to take cyber-security related management positions in industry and/or consulting practices.

Admission to the Cyber Security Concentration is contingent on admission into the Master of Business Administration and the Master of Science in Information Systems degrees. Additional admissions requirements can be found under the Business School Admissions.

The Degree requirements are as follows:

Code	Title	Hours
Required Framework Courses		
BUS 5401	Business Frameworks	4
Required Core Courses		
ACC 5300	Accounting Tools for Management Decision Making	3
BUS 5101	Focus Firm I	1
BUS 5111	Professional Career Development for First Semester Graduate Students	1
BUS 5112	Professional Career Development for Second Semester Graduate Students	1
BUS 5390	Management Communication	3
ECO 5340	Economic Tools for Management Decision Making	3
FIN 5360	Seminar in Corporate Finance	3
MGT 5310	Management of Organizational Behavior	3
MGT 5320	Manufacturing and Service Operations	3
MGT 5325	Leadership in the Global Marketplace	3
MGT 5385	Strategic Management and Business Policy	3
MKT 5310	Seminar in Marketing Strategy	3
QBA 5330	Business Analytics for Decision Making	3
Cyber Security Courses		
ISEC 5330	Cybersecurity Policy and Planning	3
Select two courses from the following:		6
ISEC 5310	Cyber Security Human Factors: Ethics, Integrity, Practices, Policies, and Procedures	
ISEC 5320	Cyber Security Technology Factors	
ISEC 5340	Cyber Warfare, Threats, Vulnerabilities and Countermeasures	

Required MSIS Courses (Non-thesis)

MIS 5355	Management of Information Systems	3
All MSIS students must demonstrate competency in four core content areas; programming, systems analysis and design, database, and information security. This competency may be shown by previous course work (for those with an undergraduate degree in information systems or computer science) or by completion of specific courses as part of their MSIS program.		
MIS 5301	Seminar in Object-Oriented Business Programming	3
MIS 5315	NET Systems Development	3
or MIS 5317	Seminar in Java Development	
MIS 5335	Information Systems Analysis and Design	3
MIS 5340	Database Management Systems	3
ISEC 5305	Seminar in Information Security Foundations	3

Other MBA Requirements

1-hour internship required for students without 2 years of full-time work experience	1
Students with more than 2 years can choose to take an elective.	
Students who do not have an undergraduate degree in Business Administration will be required to take the following:	
BL 5104	Business Foundations - Business Law (1)
Total Hours	65