

BUSINESS ADMINISTRATION 3+2 PROGRAM, INTEGRATED COMPUTER INFORMATION SYSTEMS: DATA ANALYTICS CONCENTRATION, BACHELOR OF SCIENCE/MASTER OF BUSINESS ADMINISTRATION: CYBERSECURITY CONCENTRATION

Specific Admission Requirements

The BS-CIS/MBA program is unique. It allows qualified students to earn both a BS degree in CIS and an MBA concurrently.

Students are required to take the Graduate Management Admissions Test (GMAT). An admission index formula of 200 times the undergraduate GPA (4.000 system) plus the GMAT score is used as an admission score. The undergraduate GPA must be based on a minimum of 90 semester hours of course work, including MGMT 201 Principles of Management (3 c.h.), FIN 330 Principles of Finance (3 c.h.), and MKTG 340 Principles of Marketing (3 c.h.). Students must have a minimum GPA of 3.5 and a GMAT of at least 450 (i.e., an index of 1150) to be admitted to the program. Students may also take the GRE and must receive a minimum of 152 on the Verbal Reasoning and a 152 on the Quantitative Reasoning to be admitted to the program.

Options to satisfy GMAT requirement:

All MBA students are required to either take the Graduate Management Admissions Test (GMAT) or qualify to waive the GMAT requirement based on the options provided in the following sections.

Option I: Complete the GMAT with a minimum score of 400 and satisfy the qualification score of 1,150 calculated as $200 * \text{Undergraduate cumulative GPA} + \text{GMAT score}$.

Option II: Take the GRE with a minimum GMAT score equivalent of 400 and a minimum undergraduate GPA of 3.0.

GMAT equivalent Score calculated as $[-2080.75 + (\text{GRE Verbal} * 6.38) + (\text{GRE Quant} * 10.62)]$ must be at least 400.

Admissions Index Score calculated as $\text{GMAT equivalent score} + 200 * \text{Undergraduate cumulative GPA}$, must be equal to or greater than 1,150.

Option III: If you have earned a graduate degree (equivalent to a U.S. Master's or PhD) from a regionally accredited institution with cumulative GPA of 3.0 higher.

If your degree is from outside of the U.S., you will have to provide an official evaluation from any approved evaluation company that proves your master's is equivalent to a U.S. master's degree from a regionally accredited institution.

OR

Current admission and enrollment in a graduate dual-degree program at select partner institutions, currently including MBA admission at Chungnam National University, Korea.

Option IV: Five (5) or more years of full-time substantive mid-level managerial work experience and/or military service with increasing levels of responsibility AND an undergraduate cumulative GPA of 3.0 or higher.

Option V: Ten (10) or more years of full-time substantive mid-level managerial work experience and/or military service with increasing levels of responsibility AND an undergraduate GPA of 2.75 or higher.

All petitioners will need to provide one letter of reference from a supervisor who can verify your work experience and increasing scope of responsibility.

GMAT writing score must be 4.5 or higher to waive BSAD 592 Research (1-6 c.h.). GRE writing score must be a minimum of 3.5 to waive BSAD 592 Research (1-6 c.h.).

Prior to enrolling in the first 500-level course, students are expected to have completed a significant portion of the requirements for their undergraduate major and must have submitted an acceptable GMAT.

NOTE: Students are strongly encouraged to complete an internship prior to enrolling in graduate-level courses.

Specific Program Requirements

Students in the integrated BS-CIS/MBA program must complete:

- The CIS required and required-related courses excluding CIS 350 Database Management (3 c.h.) and CIS 432 Senior Professional Project (6 c.h.);
- ACCT 201 Principles of Financial Accounting (3 c.h.), ECON 202 Principles of Microeconomics (GT-SS1) (3 c.h.), FIN 330 Principles of Finance (3 c.h.) and MKTG 340 Principles of Marketing (3 c.h.);
- The CIS major within the Hasan School of Business; and
- All remaining specified MBA courses.

In addition, students must satisfy all GPA requirements for the BS in CIS and the MBA.

Special Projects and Internships will not be substituted for required CIS major courses. Independent Studies will not be substituted for required MBA courses.

Program Overview

Requirement	Credits
General Education	35
BS Computer Information Systems	64
BS Data Analytics Concentration	12
MBA Cybersecurity Requirements	34
Total Credits	145

Undergraduate Requirements

Specific General Education Requirements

Course	Title	Credits
CID 103	Speaking & Listening	3
ECON 201	Principles of Macroeconomics (GT-SS1)	3

ECON 202	Principles of Microeconomics (GT-SS1)	3	CIS 562	Computer Forensics	3
MATH 120	College Algebra (GT-MA1)	3	CIS 550	Advanced Data Analytics	3
Other General Education Courses		23	Total Credits		34
Total Credits		35			

Specific Major Requirements

Course	Title	Credits
CIS Major Courses		
CIS 105	Introduction to Access DBMS	1
CIS 120	Introduction to Programming with Python	3
CIS 150	Introduction to Computer Information Systems	3
CIS 171	Introduction to Java Programming	4
CIS 210	Introduction to Cyber Security	3
CIS 240	Systems Analysis & Design	3
CIS 250	Introduction to Business Analytics	3
CIS 271	Advanced Program Design with Java	4
CIS 289	Network Concepts	3
CIS 311	Introduction to Web Development	3
CIS 315	Linux Fundamentals	3
CIS 350	Database Management	3
CIS 493	Senior Seminar	1
Quantitative Analysis Requirement		
BSAD 265	Inferential Statistics & Problem Solving	3
BSAD 360	Advanced Business Statistics	3
MATH 220	Quantitative Analysis for Business	4
Required Related Courses		
BSAD 270	Business Communications	3
MGMT 201	Principles of Management	3
MGMT 368	Project Management	3
CIS Upper Division Electives ^{3 credits must be upper division}		8
Total Credits		64

Specific Concentration Requirement

Course	Title	Credits
CIS 359	Advanced Programming with C#	3
CIS 410	Data Analytics with Python	3
CIS 470	Virtualization & Cloud Technologies	3
CIS Upper Division Electives		3
Total Credits		12

Graduate Requirements

Course	Title	Credits
ACCT 510	Managerial Accounting	3
BSAD 510	Academic Writing for MBA Students	1
CIS 565	Management Information Systems	3
ECON 510	Economics for Managers	3
FIN 530	Financial Management	3
MGMT 511	Production/Operations Management	3
MKTG 540	Marketing Management	3
MGMT 585	Management Policy & Strategy	3
Required CIS Courses		
CIS 560	Cyber Security & Defense	3
CIS 561	IT Security Management	3