

# INFORMATION TECHNOLOGY (M.S.)

## Tracks

For students who are not interested in any of the below tracks, another option is to create an optimal mix of electives across the tracks, in consultation with the program director and area chair.

### Business Analytics Track

This track centers around the processes of collecting, cleaning, structuring, integrating, and analyzing data to drive management insight, informed decision-making, and superior business performance. *Courses in this group have the ISBA attribute.*

Course	Title	Credits
ISGB 7933	Audit Data Analytics	3
ISGB 7934	Artificial Intelligence	3
ISGB 7942	Optimization Models in Bus	3
ISGB 7944	Sports Analytics	3
ISGB 7975	Business Analytics for Managers	3
ISGB 7977	Text Analytics	3
ISGB 7978	Web Analytics	3
ISGB 7980	Bus Modeling w/Adv Sprdsheets	3
ISGB 7985	Data Warehousing	3
ISGB 7988	Business Performance and Risk Management	3
ISGB 7990	Big Data Analytics	3
ISGB 799Z	Deep Learning	3
ISGB 79AA	Advanced Python for Financial Programming	3

### Cybersecurity Track

In this emerging track, students can specialize in cybersecurity management in business. *Courses in this group have the ISCY attribute.*

Course	Title	Credits
ISGB 6910	Business Tech & Analytics	3
ISGB 799D	Cybersecurity for Business	3
ISGB 79AC	Cybersecurity Analytics for Business	3
ISGB 79AD	Digital Forensics	3

### Digital Transformation Track

This track addresses the transformational role of contemporary information technologies and their applications. *Courses in this group have the ISDT attribute.*

Course	Title	Credits
ISGB 6910	Business Tech & Analytics	3
ISGB 7901	E Business Strategies & Appl	3
ISGB 7922	Healthcare IT	3
ISGB 7924	Mobile E-Commerce and Apps	3
ISGB 7932	Accounting Info System	3
ISGB 7945	IT and Sustainability	3

ISGB 7988	Business Performance and Risk Management	3
ISGB 799L	Study Tour: Germany	3
ISGB 799R	IT Audit and Information Assurance	3
ISGB 799X	Fintech -An Introduction	3
ISGB 799Y	Blockchain Tech & App Dev	3
ISGB 79AA	Advanced Python for Financial Programming	3
ISGB 79AE	Robotic Process Automation	3

### Enterprise Computing Track

This track is for students who wish to delve deeper into solution delivery activities of enterprise applications. *Courses in this group have the ISEC attribute.*

Course	Title	Credits
ISGB 6910	Business Tech & Analytics	3
ISGB 7932	Accounting Info System	3
ISGB 7943	Programming with Python	3
ISGB 7985	Data Warehousing	3
ISGB 799S	C++ Programming	3
ISGB 799V	R Statistical Programming	3
ISGB 799W	Java Programming	3
ISGB 799X	Fintech -An Introduction	3
ISGB 799Y	Blockchain Tech & App Dev	3
ISGB 79AA	Advanced Python for Financial Programming	3
ISGB 79AE	Robotic Process Automation	3