KOGOD SCHOOL *of* BUSINESS
AMERICAN UNIVERSITY • WASHINGTON, DC

Information Technology and Analytics Department

Information Systems and Technology (IST) Concentration and Minor

Prof. Alberto Espinosa, IST & Analytics Curriculum Coordinator (alberto@american.edu)
Last revised 5/31/2018; Latest version at: http://fs2.american.edu/alberto/www/istconcentration.pdf

IST education in business differs from computer science in that the focus is not on learning how the technology works internally, but on how IT can be best utilized and managed to derive business value. IT professionals serve as a bridge between business and technology, so the best candidates for IT jobs are business students who understand the functional areas (e.g., marketing, finance, accounting, etc.) but also have a solid understanding of how the technology can support business and what opportunities it creates.

Notes: (K) Required for all Kogod students; (IST) **Required for IST concentration;**
(EIST) Electives for IST concentration and IST minor; (E) General electives
Typically offered in: F=Fall; S=Spring; Su=Summer

Required for BSBA

- (K) ITEC 200 The Edge of Information Technology (F, S)
- (K) ITEC 320 Business Analytics (F, S)
- (K) ITEC 355 Production and Operations Management (F, S)

Required for IST Specialization

- (IST) (3) (EIST) **ITEC 455 Business Process Analysis** (F, S)
- (IST) (2) (EIST) **ITEC 470 Database and Big Data** (F, S)

Electives

- (EIST) ITEC 334 Online Business Development (Not offered presently)
- (E) ITEC 335 Social Networking, Social Media and Web 2.0 (Not offered presently)
- (EIST) ITEC 350 Digital Leadership (S)
- (EIST) (1) ITEC 460 Business Intelligence (Su; may be offered in the Fall in the future)
- (EIST) (4) ITEC 466 Cyber Security Risk Management (S)
- (EIST) (4) ITEC 467 Cyber Security Governance (F)
- (E) ITEC 477 Microsoft Certifications (F, S)
- (EIST) ITEC 596 Topics: Text & Visual Analytics (F)

BSBA IST Specialization for Kogod Students

Required for BSBA: ITEC 200, ITEC 320, ITEC 355; **Plus Required for IST: ITEC 455, ITEC 470**
Plus 2 electives from: ITEC 334, ITEC 350, ITEC 460, ITEC 466, ITEC 467, Special Topics (ITEC 333/496/596)

IST Minor for other Majors – 6 electives from:
ITEC 200, ITEC 320, ITEC 334, ITEC 350, ITEC 455, ITEC 470, ITEC 460, ITEC 466, ITEC 467, ITEC 333/496/596

BS/MS in Analytics

You can **double count** up to 9 credits 6XX for 4XX, or 5XX:
ITEC 630 for ITEC 455; ITEC 660 for ITEC 460; ITEC 666 for ITEC 466; ITEC 667 for ITEC 467;
ITEC 670 for ITEC 470; ITEC 5XX; Other AU 5XX courses, approved by MS Program Director

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IST Courses and Specialization (as of 5/31/18)

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Courses http://fs2.american.edu/alberto/www/istconcentration.pdf	Offered	Career Paths			
		Management Consulting	Business Analyst	Analytics & Data Science	Marketing, Finance, Accounting
ITEC 200 The Leading Edge of Information Technology	Fall & Spring	B	B	B	B
ITEC 320 Business Analytics 🌶🌶	Fall & Spring	E	E	E	E
ITEC 334 Online Application Development	Not at this time	E	C	C	E
ITEC 350 Digital Leadership and Strategy http://auapps.american.edu/~alberto/about_itec350.pdf	Spring	E	C	E	E
ITEC 355 Production and Operations Management	Fall & Spring	B	B	B	B
ITEC 455 Business Process Analysis 🌶🌶 http://auapps.american.edu/~alberto/itec455/about_itec455.pdf	Fall & Spring	**R**	**R**	**R**	**R**
ITEC 460 Business Intelligence	Fall	E	C	E	E
ITEC 470 Databases and Big Data 🌶🌶	Fall & Spring	**R**	**R**	**R**	**R**
ITEC 466 Cyber Security Risk Management	Spring	E	E	E	C
ITEC 467 Cybersecurity Governance	Fall	E	E	E	C
ITEC 596 Text & Visual Analytics for Business (number will change in 2019F)	Fall	E	E	E	E
ITEC 477 MS Office Certifications (1 credit each) 🌶🌶	Fall & Spring	C	C	C	C

B *– Required course for all Kogod BSBA students;* ***R – Required course for IST concentration***

E *– Recommended IST Elective;* ***C*** *– Complementary* 🌶🌶 *Hot: Fills up quickly*