

Bachelor of Science in Information Technology



KENNESAW STATE
UNIVERSITY

Catalog Year: 2025-2026

Updated 6/3/2025

Total Degree Credit Hours: 120

I Institutional Priority	2 Classes 5 credit hours	Complete the following course: ECON 1000	Complete <u>one</u> course from the following: AMST 1102, ASIA 1102, BLCK 1102, COMM 1100, GWST 1102, ISD 2700, LALS 1102, LDERS 2300, PAX 1102, POLS 2401, RELS 1102
M Mathematics & Quantitative Skills	1 Class 3 credit hours	Complete the following course: MATH 1111	
P Political Science & U.S. History	2 Classes 6 credit hours	Complete the following course: POLS 1101	Complete <u>one</u> course from the following: HIST 2111 or HIST 2112
A Arts, Humanities & Ethics	2 Classes 6 credit hours	Complete <u>one</u> course from the following: CHIN 1001, CHIN 1002, ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2140, FREN 1001, FREN 1002, GRMN 1001, GRMN 1002, HEBR 1001, HEBR 1002, ITAL 1001, ITAL 1002, JAPN 1001, JAPN 1002, KOR 1001, KOR 1002, LATN 1001, LATN 1002, PHIL 2010, PORT 1001, PORT 1002, RUSS 1001, RUSS 1002, SPAN 1001, SPAN 1002, WLC 1001, WLC 1002, WLC 2209	Complete <u>one</u> course from the following: ART 1107, DANC 1107, MUSI 1107, TPS 1107
C Communication in Writing	2 Classes 6 credit hours	Complete the following course: ENGL 1101	Complete the following course: ENGL 1102
T Technology, Mathematics, & Science	3 Classes 12 credit hours	Complete the following course: MATH 1113	Select <u>two</u> course pairs from the following for a total of 8 credit hours: CHEM 1211 and CHEM 1211L CHEM 1212 and CHEM 1212L PHYS 1111 and PHYS 1111L PHYS 1112 and PHYS 1112L PHYS 2211 and PHYS 2211L PHYS 2212 and PHYS 2212L BIOL 1107 and BIOL 1107L BIOL 1108 and BIOL 1108L <i>Please note: You <u>CANNOT</u> take both PHYS 1111/L and PHYS 2211/L nor PHYS 1112/L and PHYS 2212/L</i>
S Social Science	2 Classes 6 credit hours	Complete <u>one</u> course from the following: HIST 1100, HIST 1111 or HIST 1112	Complete <u>one</u> course from the following: ANTH 1102, CRJU 1101, ECON 2105, ECON 2106, GEOG 1101, PSYC 1101, SOCI 1101, or STS 1101

Core Field of Study (18 credit hours)

Prerequisites

IT 1114/L Programming Principles	Lecture & Lab must be taken at the same time	4	
IT 1103 Intro to Information Technology	IT 1114*	3	
CSE 1321/L Programming & Problem Solving I	Lecture & Lab must be taken at the same time	4	
CSE 2300 Discrete Structures for Computing Or MATH 2345 Discrete Mathematics	CSE 1321/L & MATH 1113 MATH 1113	3	
STAT 1401 Elementary Stats Or STAT 2332 Probability & Data Analysis	None MATH 1190	3	

Students should start in IT 1103 &
IT 1114/L then move to CSE 1321/L.

* - can be taken before or at the
same time

Free Electives

Select 6 credit hours of 1000-4000 level coursework from the University Catalog

Major Requirements (39 credit hours)

Prerequisites				
CSE 3153 Database Systems	IT 1114/L	3		All major courses must have a minimum grade of 'C'.
CSE 3801 Professional Practices & Ethics	IT 3123*	2		
IT 3123 Hardware/Software Concepts	IT 1114/L or CSE 1321/L	3		
IT 3203 Intro to Web Development	IT 1114/L or CSE 1321/L	3		
IT 3223 IT Organization & Management	None	3		* - can be taken before or at the same time
IT 3423 Operating Systems Concepts & Admin	IT 3123	3		
IT 3703 Intro to Data Analytics & Technology	IT 3123 & CSE 3153*	3		
IT 3883 Advanced Application Development	CSE 3153 & (IT 1114/L or CSE 1321/L)	4		
IT 4323 Data Communications & Networking	IT 3123	3		+1 credit carried over from IMPACTS
IT 4423 Linux/Unix Administration	IT 3423	3		
IT 4723 IT Policy & Law	IT 3123 & IT 3223	3		
IT 4823 Information Security Admin & Privacy	IT 3123 & (CSE 2300 or MATH 2345)	3		
IT 4983 IT Capstone	IT 3423, IT 3223, IT 3203, IT 3883, IT 4323* and IT 4823*	3		

Concentration (15 credit hours)

Choose **ONE** concentration to complete a total of **5 courses** (15 credit hours). You must take **four courses** (12 credit hours) from your chosen concentration. The **fifth course** you must take may be from your chosen concentration, any other concentration, or selected from the listed additional 5th course options.

Data Analytics & Technology

Prerequisites

IT 4153 Advanced Database	CSE 3153	3
IT 4713 Business Intelligence Systems	IT 3703	3
IT 4733 Big Data Sys. Admin.	IT 3703	3
IT 4773 Machine Learning for Enterprise Applications	IT 3703	3
IT 4793 Applied Data Driven Solutions	IT 3703	3

Enterprise Systems

Prerequisites

IT 4153 Advanced Database	CSE 3153	3
IT 4333 Network Config & Admin	IT 4323	3
IT 4403 Adv. Web & Mobile Apps	IT 3203	3
IT 4673 Virtual IT Systems	IT 3423, IT 4323 & CSE 3153	3
IT 4713 Business Intelligence Systems	IT 3703	3

Cyber Operations Security

Prerequisites

IT 4833 Wireless Security	IT 4323	3
IT 4843 Ethical Hacking	IT 4323	3
IT 4853 Computer Forensics	IT 4323	3
IT 4863 Web & Mobile Applications Security	IT 3203	3
IT 4883 Infrastructure Defense	IT 4323	3
IT 4893 Internet of Things: Applications & Security	IT 4823 & IT 4323	3

Additional 5th Course Options

Prerequisites

IT 3503 Foundations of Health Information Technology	ENGL 1102	3
IT 4490 Special Topics	Varies, Junior/Senior Standing	1-3
IT 4493 Undergraduate Research	Junior Standing	3
CSE 4983 Computing Internship	Senior Standing	3