East Central University

Harland C. Stonecipher School of Business

Information Technology Management –Data Analytics Concentration B.S. (0612) | 4-Year Degree Plan

2026–2027 Catalog Year | 120 Credit Hours |

About This Plan: Recommended course sequence supporting timely graduation and proper prerequisite order. Actual selection may vary with transfer credits, placement, or scheduling. Meet with your advisor each semester. Does not replace an official degree audit.

Year 1 — Freshman (32 Credit Hours)

✓	Course	Course Name	Cr.
	Fall Semester		**16**
☐	BUS 1113	Foundations of Business±	3
☐	ENG 1113	Freshman Composition I^	3
☐	MATH 1613	Functions and Modeling^	3
☐	To be selected	Cultural & Aesthetic Awareness^	3
☐	MIS 1903	Computer Business Apps. ±	3
☐	UNIV 1001	Tiger Connect (1st Year Exp.)^	1
	Spring Semester		**16**
☐	BUCOM 2013	Professional Speaking	4
☐	ENG 1213	Freshman Composition II^	3
☐	PS 1113	U.S. Government^	3
☐	To be selected	Science I w/ Lab^1	3
☐	CMPSC 1113	Computer Programming I±	3

Year 2 — Sophomore (32 Credit Hours)

✓	Course	Course Name	Cr.
	Fall Semester		**16**
☐	ACCT 2103	Financial Accounting	3
☐	To be selected	Cultural & Aesthetic Awareness^	3
☐	ECON 2003	Principles of Macroeconomics	3
☐	HIST 2483/2493	U.S. History Survey^	3
☐	To be selected	Science II — Diff. Discipline^1	4
	Spring Semester		**16**
☐	ACCT 2203	Managerial Accounting	3
☐	BSEC 2603	Business & Econ. Statistics	3
☐	ECON 2013	Principles of Microeconomics	3
☐	MGMT 3013	Principles of Management	3
☐	To Be Selected	Elective Course (non-specified)	3
☐	To be selected	General Education Elective^	1

Year 3 — Junior (30 Credit Hours)

✓	Course	Course Name	Cr.
	Fall Semester		**15**
☐	BSEC 3103	Fundamentals of Data Analytics	3
☐	BUCOM 3133	Written Business Communication	3
☐	BUSLW 3213	Legal Environment of Business	3
☐	MGMT 3023	Project Management I	3
☐	MIS 3433	Management Information Systems	3
	Spring Semester		**15**
☐	FIN 3113	Financial Management	3
☐	MIS 3423	Adv. Computer Business Apps	3
☐	MKTG 3313	Principles of Marketing	3
☐	To Be Selected	Approved Data Analytics Option	3
☐	To Be Selected	Elective Course (non-specified)	3

Year 4 — Senior (26 Credit Hours)

✓	Course	Course Name	Cr.
	Fall Semester		**14**
☐	BUS 4213	Business Ethics	3
☐	ITM 4653	Database Theory & Applications	3
☐	To Be Selected	Approved Data Analytics Option	3
☐	To Be Selected	Approved Data Analytics Option	3
☐	To Be Selected	Elective Course (non-specified)	2
	Spring Semester		**12**
☐	ITM 3473	Data Visualization	3
☐	ITM 4753	Software Dev. & Team Dynamics*	3
☐	To Be Selected	Elective Course (non-specified)	3
☐	To Be Selected	Elective Course (non-specified)	3

Credit Hour Summary

Year 1: 32 hours | Year 2: 32 hours | Year 3: 30 hours | Year 4: 26 hours | Total: 120 hours | Min. Core GPA: 2.25 | 30 hours req. at ECU

If Science II is taken without a lab (3 credit hours), one additional General Education elective credit hour is required to maintain the 120-hour total.

ECU Mission: *To prepare students for tomorrow's world through a dynamic & diverse learning experience.*

Updated: 07/06/2026

General Education Outcomes

Outcome	Covered by Named Courses on This Plan
C — Communication	BUS 1113, ENG 1113, MIS 1903, UNIV 1001
CT — Critical Thinking	MATH 1613, FIN 1113, PS 1113, ECON 2003, HIST 2483/2493, ENTR 3103
IL — Information Literacy	ENG 1213
IKC — Intercultural Knowledge	*Must be satisfied by a "To Be Selected" course*
GC — Global Citizenship	*Must be satisfied by a "To Be Selected" course*

Notes and Key

Topic	Detail
^ and ± Symbols	^ fulfills a Gen Ed requirement. ± counts toward both degree and Gen Ed (max 12 hours). At least one course per SLO (C, CT, IL, IKC, GC) required.
Note 1 — Science	Two science courses from two different disciplines are required (8 credit hours total), each including a lab. If Science II is taken without a lab (3 credit hours), one additional General Education elective credit hour must be selected to reach the 120-hour graduation requirement. Approved disciplines: BIOL, CHEM, EHS, GEOG, and PHYS. Consult your advisor.
Note 2 – Approved Data Analytics Options	Approved Data Analytics options include FIN 3223 Investment Analysis, FIN 4626 Applied Finance, ITM 3423 Web Development, ITM 3613 Data Comm & Computer Networks, ITM 3823 Cybersecurity, ITM 3843 Cloud Management, MKTG 4413 Marketing Research.
Minimum GPA	A cumulative GPA of 2.25 or higher in required courses is needed for graduation. Several courses require a grade of C or better to satisfy prerequisites for the next course in sequence — confirm requirements with your advisor.
Degree Requirements	120 credit hours total required for graduation. At least 40 hours must be upper-level (3000/4000-level) courses. At least 60 hours must be from a senior-level institution. At least 30 hours must be completed at East Central University.
Non-Business Hours	Majors must take at least 40% (48 hours) in non-business coursework. BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113, and MIS 1903 qualify as non-business.