Major: DATA - Data Science (BA); Minors: BUAL - Business Analytics; BUIS - Business Information Systems

NOTE: This "Eastern in 4" is a planning document only. Consult with your faculty advisor & use Degree Evaluation to obtain accurate assessment of progress towards your graduation.

Your Name:	EasternID:	Date:

Eastern in 4 Notes — Revised: 07/01/2024

A degree has GPA, Residency, Major, ELAC, Foreign Language, University Writing, and Upper-level requirements. Minimum of 120 credits are required to graduate. If you have open space, fill in with "Elective."

Major Specific Notes

Students must earn a C or better in major courses or a 2.3 GPA in all major courses is required. Students contribute to a portfolio which should be suitable for showcasing work to future employers.

ELAC Requirements

Courses in Minors and Second Majors may count towards ELAC Requirements. Check Degree Evaluation.

In	Course	Title	Requirement		Credits	Rec. Year	Prerequisite
		ELAC - Seminars & Foundationals					
X	MAT 195	Foundational Math	LACM		3	1st	3 to 5 Credits
X	ENG 100	Foundational Writing	LACW		3	1st	3 to 5 Credits
X	LAC 100	LAC 100	LAC 100		3	1st	Must take in first 15 credits
X	LAC 101	LAC 101	LAC 101		1	1st	Must take in first 15 credits
X	LAC 200	LAC 200	LAC 200		3	2nd	
X	LAC 400	LAC 400	LAC 400		3	4th	
	ELAC Disciplinary Perspectives Courses		LA Area	LO	Credits	Year Taken	Prerequisites
X	ELA C01	ELAC 24 - Course 1	AH	CR	3		
X	BIS 437	Rapid IT Development Mgmt	SS	CT	3		
X	ART 140	What is Art?	AH	CM	3		
X	ELA C04	ELAC 24 - Course 4	SS	CT	3		
X	PHI 220	Ethics	AH	ER	3		
X	ECO 200	Introductory Macroeconomics	SS	CT	3		
X	BIS 379	Data Wrangling	SS	QL	3		
X	ELA C08	ELAC 24 - Course 8	SM	ER	3		

Liberal Arts Areas (LAxx)				Learning Outcomes (LOxx)
3	LA Area - Arts Humanities (AH)		1	LO - Creativity (CR)
4	LA Area - Social Sciences (SS)		1	LO - Communication (CM)
1	LA Area - Science & Math (SM)		3	LO - Critical Thinking (CT)
	ELAC - Seminar & Foundationals	Credits: 16	2	LO - Ethical Reasoning (ER)
	ELAC Disciplinary Perspectives	Credits: 24	1	LO - Qunatative Literacy (QL)

Major Code:	DATA	DATA - Data Science (BA)				
Course	Title	Requirement	Credit	Elect	Rec. Ye	Prerequisite
	Core L1: Data Sciences Found	**es Foun**	**dati**			
X MAT 195	Calculus I or Calculus I for BUS	Major	4	MAT 19	1st (F)	
X MAT 315	Statistics course	Major	3 or 4	MAT 31	2nd	
X MAT 342	Explorations in Data Science	Major	3	MAT 34	3rd (F)	MAT216/ECO215 & CSC 20
X CSC 202	Intro to Programming/Machin	Major	3	CSC 202	1st (Sp)	
X CSC 203	Advanced Programming for Da	Major	3	CSC 203	2nd	CSC 202
X BIS 205	Information Management	Major	3	BIS 205	1st	
X BIS 305	Business Analytics	Major	3	BIS 305	3rd (F)	BIS 205 and one from: ECO
X EES 300	Intro to Geographic Info Syste	Major	3		2nd	
X EES 301	Intro to Geographic Info Sys La	Major	1		2nd	EES 300 (Pre or Co-req.)
	L2: Database Crse: CSC 341 or	**SC 341**	**or B**			
X BIS 373		Major	3	BIS 373	3rd	Depends on selection
	L3: Data Mining/Analytics Crs	**ytics C**	**rse**			
	MAT 343/CSC 305/BIS 447	**447**				
X BIS 447	Bus Intelligence&Data Solutio	Major	3	BIS 447	3rd	Depends on selection
	L4: W2 Crse Requirement	**ent**				
X BIS 449	Data Visualization	Major	3		4th	MAT 343 or CSC 305 or BIS
	L5: Capstone/W3 Crse (Choos	**(Choos**	**e 1)**			
	BIS 377, CSC 450, LAP 430	**P 430**				
X BIS 461	Seminar:Info Sys/Bus Strategy	Major	3	BIS 461	4th	Depends on selection
	Data Science Electives	**es**				
	Select 2 MAT/CSC/BIS/GIS Crs	**/GIS Cr**	**se.**			
2 XXX		Major Elect	3 or 4		3rd	Depends on selection
2 XXX		Major Elect	3 or 4		4th	Depends on selection

Minor Code:	BUAL	BUAL - Business Analytics				
Course	Title	Requirem	Credit	Elect	Rec. Ye	Prerequisite
X BIS 205	Information Management	Minor	3		1st Spr	
X BIS 373	Bus. Database Management	Minor	3		2nd Fall	BIS 205
X BIS 305	Business Analytics	Minor	3		3rd	BIS 205 and one from: ECO
	1 of: ECO 215, MAT 216, SOC	**16, SOC**	**351**			
X MAT 216	Statistical Data Analysis	lysis		MAT 216		
	Choose 1: BIS 447 or BIS 449	**BIS 44**	**9**			
X BIS 379	Data Wrangling	Minor	3	BIS 379	2nd	
	1 Applied Data Course:	**e:**				
	FIN 346, BUS 380, 428, ECO 3	**8, ECO**	**305,**			
X OSC 360	Supply Chain Management	Minor	3	OSC 360	2nd	

Minor Code:	BUIS	BUIS - Business Information Systems				
Course	Title	Requireme	Credit		Rec. Year	Prerequisite
X BIS 205	Information Management	Minor	3		2nd	
X BIS 361	Bus. Info Systems	Minor	3		2nd	BIS 205
X BIS 370	Systems Analysis & Design	Minor	3		2(Sp)/3	BIS 205
	One of Following Courses:	**rses:**				
	ACC 201, BUS 201, 225, FIN 24	**5, FIN**	**245**			
X OSC 260	Operations Management	Minor	3	OSC 26	2nd	
	Two BIS Elective Courses:	**rses:**				
	BIS 3xx or 4xx Courses	**es**				
X BIS 437	Rapid IT Development Mgmt	Minor	3	BIS 437	2nd	
X BIS 442	Information Tech Project Mgm	Minor	3	BIS 442	2nd	

1st year Fall 2024

Subj, Crs#	Title	Requirement/s	Crs.
MAT 195	Calculus I for BUS, BIS,	LACM	4
ENG 100	College Writing	LACW	3
LAC 100	LAC 100 Seminar	LAC 100	3
LAC 101	LAC 101 LAC Overview	LAC 101	1
ECO 200	Principles Of Macroeconom	LASS, LOCT	3
ART 140	Explorations Visual Cultu	LAAH, LOCM	3
Total			17

1st year Spring 2025

Subj, Crs#	Title	Requirement/s	Crs.
ELA C01	ELAC 24 - Course 1	ELAC	3
PHI 220	Ethics	LAAH,LOER	3
BIS 205	Information Management	DSC Major	3
CSC 202	Intro to Prog/Machine Int	DSC Major	3
Total			12

2nd year Fall 2025

Subj, Crs#	Title	Requirement/s	Crs.
ELA C04	ELAC 24 - Course 4	BIS Major	3
BIS 373	Business Database Managem	DSC Major	3
MAT 315	Appl Probability & Statis	DSC Major	4
MAT 216	Statistical Data Analysis	BA Minor	3
Total			13

2nd year Spring 2026

Subj, Crs#	Title	Requirement/s	Crs.
CSC 203	Adv Programming/Data Scie	Both Majors	3
BIS 370	Systems Analysis and Desi	BIS Minor	3
OSC 260	Operations Management	BIS Minor	3
EES 300	Intro to Geographic Info	DSC Major	3
EES 301	Intro to GIS Laboratory	DSC Major	1
Total			13

3rd year Fall 2026

Subj, Crs#	Title	Requirement/s	Crs.
MAT 342	Explorations in Data Scie	DSC Major	3
BIS 379	Data Wrangling	BIS Major	3
BIS 305	Business Analytics	DSC Major	3
BIS 437	Rapid IT Development Mgmt	BIS Minor	3
Total			12

3rd year Spring 2027

Subj, Crs#	Title	Requirement/s	Crs.
BIS 447	Bus Intelligence&Data Sol	DSC Major	3
BIS 449	Data Visualization	DSC Major	3
LAC 200	LAC 200 Seminar	LAC 200	3
BIS 442	Information Tech Project	BIS Minor	3
Total			12

4th year Fall 2027

Subj, Crs#	Title	Requirement/s	Crs.
BIS 361	Business Information Syst	BIS Minor	3
XXX	Data Science Electvie	Conc. Elective	3
XXX	Data Science Electvie	Conc. Elective	3
Total			9

4th year Spring 2028

Subj, Crs#	Title	Requirement/s	Crs.
BIS 461	Seminar:Info Sys/Bus Stra	DSC Major	3
OSC 360	Supply Chain Management	BA Minor	3
LAC 400	LAC 400 Seminar	LAC 400	3
ELA C08	ELAC 24 - Course 8		
Total			9

Grand Credit Total (120 minimum) **97**

Congratulations, Graduate!

Transfer Courses/Outside Credits (CLEP/DSST Tests)