

## Data Analytics BS

78 credits, 20 credits for Minor

### Why study Data Analytics?

EWU offers a unique collaboration; courses from the Microsoft Professional Program in Data Science are integrated in a hybrid format into the final year of curriculum for students studying in this program. By completing this degree, you earn both a Bachelor of Science in Data Analytics from EWU and a Professional distinction in Data Science from Microsoft. As data science and analytics does not exist without the context of the discipline for which the data was collected – such as science, education, medicine, government, or business – you are strongly encouraged to major or minor in an additional discipline.

### Career Opportunities

The development of large-scale data collection in recent years has resulted in a growing gap in the work force as employers struggle to find those with the broad skillset needed to navigate in this environment while developing the narrative of meaning that underlies the data. The Bachelor of Science in Data Analytics concentrates at the undergraduate level on equipping graduates with the hybridization of programming, information systems, applied statistics, management science, data analysis and decision support skills needed by these employers. Data Scientist is rated the best job in America for 2017, with a median base salary of \$110,000

### Business Program Advisors

Business Program Advisors Center for Academic Advising and Retention (CAAR) 509.359.2345 [advising@ewu.edu](mailto:advising@ewu.edu)



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### Student Success Coordinator

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This is an example of a four year class schedule. Academic Advisors are there to help create individualized plans.

First Year	Fall 1	Q2	Q3
	BACR (5 cr.)	BACR (5 cr.)	Elective/Minor (5 cr.)
	BACR (5 cr.)	BACR (5 cr.)	Global Course (5 cr.)
	ENGL 101 (5 cr.)	Elective/Minor (5 cr.)	MATH 200 (5 cr.)
Second Year	Q5	Q6	Q7
	Elective/Minor (2 cr.)	Elective/Minor (2 cr.)	Diversity course (5 cr.)
	DSCI 245 (4 cr.)	ECON 201 (5 cr.)	Elective/Minor (5 cr.)
	DSCI 346 (4 cr.)	ENGL 201 (5 cr.)	MISC 373 (4 cr.)
	ECON 200 (5 cr.)	MISC 311 (4 cr.)	
Third Year	Q9	Q10	Q11
	Elective/Minor (2 cr.)	Elective/Minor (2 cr.)	Elective/Minor (2 cr.)
	Elective/Minor (5 cr.)	Elective/Minor (5 cr.)	Elective/Minor (4 cr.)
	Major Elective (4 cr.)	DSCI 353 (4 cr.)	MISC 374 (4 cr.)
	DSCI 450 (4 cr.)	MISC 485 (4 cr.)	
Fourth Year	Q13	Q14	Q15
	Elective/Minor (4 cr.)	Elective/Minor (2 cr.)	Elective/Minor (2 cr.)
	Elective/Minor (4 cr.)	Elective/Minor (5 cr.)	Elective/Minor (4 cr.)
	DSCI 445 (4 cr.)	Elective/Minor (5 cr.)	DSCI 483 (4 cr.)
	DSCI 482 (4 cr.)	DSCI 490 (4 cr.)	

Listed is a Sample Four Year Plan. Individual plans will vary based on placement test scores and course availability.



start something **big**

[www.ewu.edu/CBPA](http://www.ewu.edu/CBPA)

### Data Analytics, BS

Catalog Year 2019-2020

Date: \_\_\_\_\_

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_ MI: \_\_\_\_\_

Student ID \_\_\_\_\_ CAAR Advisor: \_\_\_\_\_

Colleges attended:

Previous Degrees Completed?  Direct Transfer  Bachelors  Masters  Other \_\_\_\_\_

Final Transcripts Evaluated?  Yes  No

### Program Coursework and Milestones

#### EWU General Education Requirements

Pre-University Basic Skills

All Coursework Complete

Competencies	Complete	Required
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English Proficiency  No

MATH Proficiency  Yes

BACRs	Complete	Required
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Humanities  No

Humanities  No

Social Sciences  No

Social Sciences  No

Natural Sciences  No

Natural Sciences  No

Graduation requirements	Complete	Required
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Diversity  No

Global  No

Foreign Language  No

#### Program Required Courses and/or Prerequisites

Course	Credits	Grade $\geq$	✓
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MISC 211/311 4 C

MATH 142, 161, or 200 5 C

ENGL 201 5 C

Faculty Advising Ready Degree Milestones

To be filled out by the Student Success Coordinator

Faculty Advisor

ID: \_\_\_\_\_

Name (printed)

Reviewed by: \_\_\_\_\_

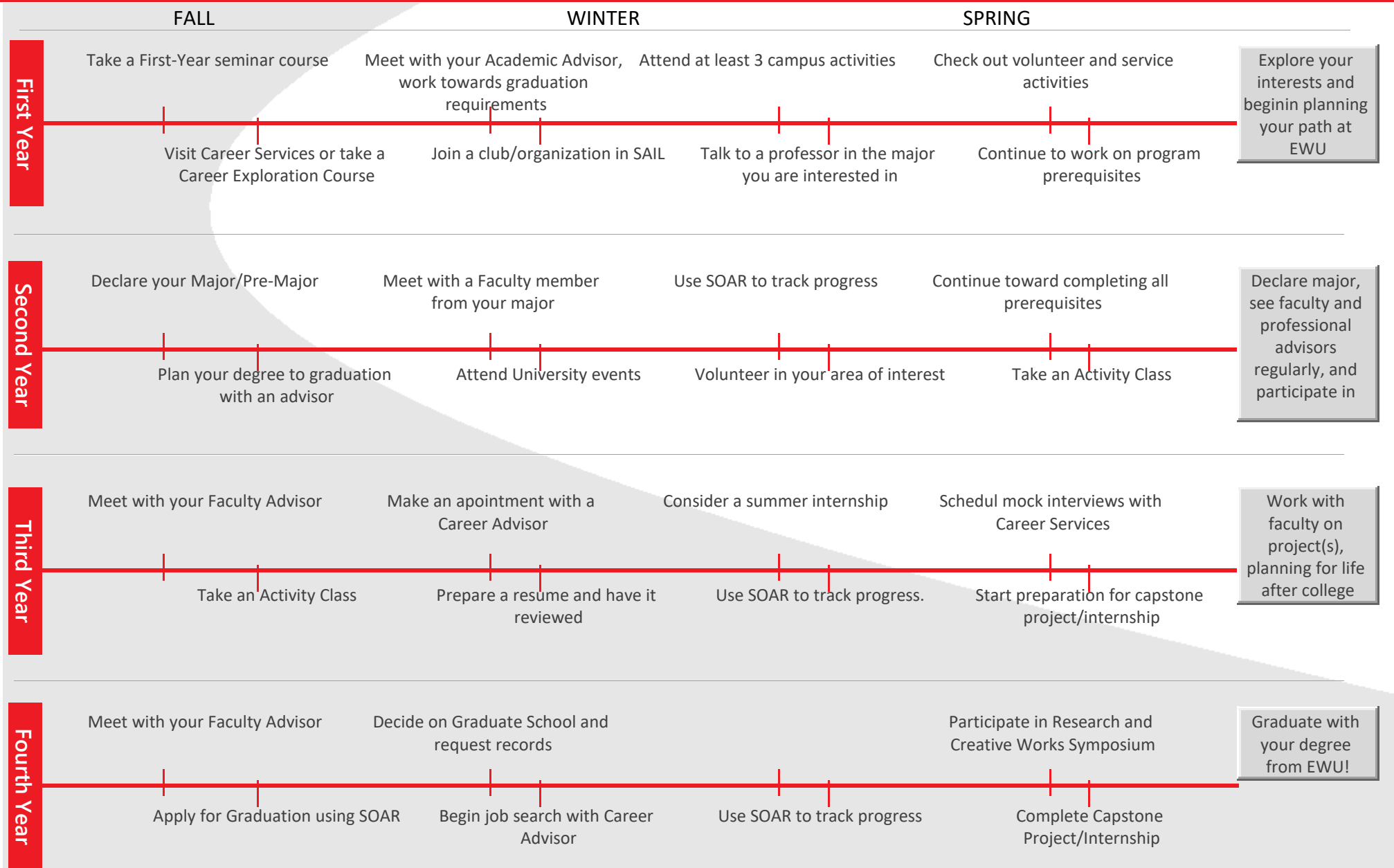
# Flight Plan to Success

The following milestones will help you succeed and improve your experience at EWU.

## Data Analytics, BS

College of Business

Department of Information Systems & Business Analytics



All recommended activities can occur at any time during a student's time at EWU



Student's name: \_\_\_\_\_ EWU ID: \_\_\_\_\_

Bachelor of Science in Data Analytics  
2019-2020 Catalog Year

College of Business  
SOAR Department: | SOAR Major:  
Major Declaration Form: Data Analytics, BS-DAAN  
Math proficiency needed: MATH 200

First year courses and prerequisites	Notes	Previously offered **
Q1 BACR (5 cr.)		
Q1 BACR (5 cr.)		
Q1 ENGL 101 COLL COMP: EXPOSITN & ARGUMNT (5 cr.) <i>Prerequisite: Writing Placement Test or General Advising.</i>		F18, W19, S19
Q2 BACR (5 cr.)		
Q2 BACR (5 cr.)		
Q2 Elective/Minor (5 cr.)		
Q3 Elective/Minor (5 cr.)		
Q3 Global Course (5 cr.)		
Q3 MATH 200 FINITE MATHEMATICS (5 cr.) <i>Prerequisite: a grade ?C in MTHD 104, or a satisfactory score on the mathematics placement assessment (MPA); placement into or above ENGL 101.</i>	Note: For the university proficiencies, the course may be substituted for MATH 107. Computer Literacy Competency recommended.	F18, W19, S19

I have discussed this academic plan with the student listed above. Advisor name: \_\_\_\_\_ Advisor signature: \_\_\_\_\_

\* See the catalog for prerequisites and other details.  
\*\* Future course offerings may differ from the past. Check the course schedule for future courses.  
To follow this MAP, you should place into MATH 200. If you place lower, your custom MAP may change.  
This list of courses is for information purposes only. All students are required to follow the catalog requirements for the year they declared a major.

Second year courses and prerequisites

Notes

Previously offered \*\*

Q5	Elective/Minor (2 cr.)	
Q5	DSCI 245 BUSINESS STATISTICS 1 (4 cr.) Prerequisites: one of the following: MATH 142, MATH 161 or (MATH 200 with a grade ?B-).	F18, W19, S19
Q5	DSCI 346 BUSINESS STATISTICS 2 (4 cr.) Prerequisites: DSCI 245 and one of the following: MATH 142, MATH 161, (MATH 200 with a grade ?B-) or permission of the instructor.	F18, W19, S19
Q5	ECON 200 INTRO TO MICROECONOMICS (5 cr.) Prerequisite: MTHD 104 completed.	F18, W19, S19
Q6	Elective/Minor (2 cr.)	
Q6	ECON 201 INTRO TO MACROECONOMICS (5 cr.) Prerequisite: MTHD 104 completed.	F18, W19, S19
Q6	ENGL 201 COLL COMP: ANALYSIS/RES/DOCMNT (5 cr.) Prerequisite: ENGL 101, Writing Placement Test or general advising.	F18, W19, S19
Q6	MISC 311 INFORMATION TECHNOLOGY IN BUS (4 cr.) Prerequisites: sophomore standing.	
Q7	Diversity course (5 cr.)	
Q7	Elective/Minor (5 cr.)	
Q7	MISC 373 BUSINESS DATABASE APPLICATIONS (4 cr.) Prerequisite: MISC 311.	F18, W19, S19

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Advisor signature: \_\_\_\_\_

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Third year courses and prerequisites

Notes

Previously offered \*\*

Q9	Elective/Minor (2 cr.)	
Q9	Elective/Minor (5 cr.)	
Q9	Major Elective (4 cr.)	
Q9	DSCI 352 MIXED RESEARCH METHODS (4 cr.) Prerequisites: DSCI 245 or permission of the instructor.	F18
Q10	Elective/Minor (2 cr.)	
Q10	Elective/Minor (5 cr.)	
Q10	DSCI 353 DATA MANAGEMENT, CLEANING (4 cr.) Prerequisites: DSCI 245 or permission of the instructor.	W19
Q10	DSCI 450 DATA VISUALIZATION (4 cr.) Prerequisite: DSCI 346 or permission of the instructor.	W19
Q11	Elective/Minor (2 cr.)	
Q11	Elective/Minor (4 cr.)	
Q11	MISC 374 SPREADSHEET MODEL FOR BUS APP (4 cr.) Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.	F18, W19, S19
Q11	MISC 485 ADV DATABASE APPLICATIONS DEV (4 cr.) Prerequisite: MISC 373 or permission of the instructor.	S19

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Fourth year courses and prerequisites

Notes

Previously offered \*\*

Q13	Elective/Minor (4 cr.)		
Q13	Elective/Minor (4 cr.)		
Q13	DSCI 445 OPTIMIZATION VIA MANAGEMENT (4 cr.) Prerequisite: DSCI 346 or permission of the instructor.		F18
Q13	DSCI 481 MPP-DATA SCIENCE FUNDAMENTALS (4 cr.) Prerequisites: DSCI 353, MISC 373 and MATH 142 (MATH 161 preferred) or permission of the instructor.		F18
Q14	Elective/Minor (2 cr.)		
Q14	Elective/Minor (5 cr.)		
Q14	Elective/Minor (5 cr.)		
Q14	DSCI 482 MPP-CORE DATA SCIENCE (4 cr.) Prerequisite: DSCI 481.		W19
Q15	Elective/Minor (2 cr.)		
Q15	Elective/Minor (4 cr.)		
Q15	DSCI 483 MPP-APPLIED DATA SCIENCE (4 cr.) Prerequisite: DSCI 482.		S19
Q15	DSCI 490 ANALYTICS SENIOR CAPSTONE (4 cr.) Prerequisite: DSCI 450; MISC 485, may be taken concurrently; and a declared BAB in Business Analytics or BS in Data Analytics major.	Note: to be taken in the final quarter of instruction.	S19

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