

2021-2022 Entrepreneurial Analytics Major, Bachelor of Science (BS) (83-85 Credits)

Note: Business classes identified with a double asterisk () requires admittance to the BAB Program therefore will need a permit to register for those classes.**

PREREQUISITE COURSES:

ENGL 201 (5) (FWSU)
College Composition: Analysis, Research, & Documentation
Prereq: ENGL 101
Meets English Proficiency

MATH 142(5) (FWSU)
Pre-Calculus Math II
Or: **MATH 161 (Preferred)**
Prereq: MATH 141
Meets Math Proficiency

CSCD 210 (5) (FWSU)
Programming Principles I
Or: CSCD 211
Prereq: MATH 114 with grade \geq C and CSCD 110

MISC 311 (4) (FWSU)
Information Technology in Business

Prereq: Sophomore status

REQUIRED DECISION SCIENCE COURSES:

DSCI 245(4) (FWSU)
Business Statistics 1
Prereq: MATH 142, 161, or MATH 200

DSCI 346(4) (FWSU)
Business Statistics 2
Prereq: DSCI 245; MATH 142, 161, or MATH 200

DSCI 352 (4) (FW)
Mixed Research Methods, Security and Ethics for Analytics
Prereq: DSCI 245

DSCI 353 (4) (WS)
Data Management, Cleaning and Imputation
Prereq: DSCI 245

DSCI 445 (4) (FS)
Optimization Via Management Science
Prereq: DSCI 346

DSCI 450 (4) (WU)
Data Visualization

Prereq: DSCI 346

REQUIRED ENTREPRENEURSHIP COURSES:

****ENTP 411 (4)** (F)
Finding and Evaluating Opportunities

Prereq: ENTP 387, ENTP 388, ENTP 389

ENTP 388 (4) (W)
Learning From Others: Entrepreneurial Case Analysis

Prereq: Sophomore Standing, ENGL 201, MTHD 104

****ENTP 412 (4)** (S)
Business Model Design

Prereq: ENTP 387, ENTP 388, ENTP 389

REQUIRED MANAGEMENT INFORMATION SYSTEMS COURSES:

MISC 373 (4) (FWSU)
Business Database Applications

Prereq: MISC 211/311

MISC 374 (4) (FWSU)
Spreadsheet Modeling for Business Applications
Prereq: MISC 211/311 or CSCD 211

MISC 485 (4) (WS)
Advanced Database Applications Development
Prereq: MISC 373

REQUIRED CAPSTONE:

DSCI 490 (4) (S)
Analytics Senior Capstone

Prereq: DSCI 450

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(83-85 Credits) (Continued)

ELECTIVES – Select at least 3 from the following list with the approval of your faculty advisor:

CSCD 300 (5) (FWSU) Data Structures Prereq: CSCD 211, MATH 142	CSCD 320 (5) (FWS) Algorithms Prereq: CSCD 300, MATH 301	CSCD 423 (4) (???) Randomized Algorithms and Probabilistic Analysis Prereq: CSCD 320
CMST/ENTP 433 (4) (W) Leadership, Innovation, and Sustainability Prereq: ENGL 201	CMST/ENTP 466 (5) (S) Public Relations in Business and For Entrepreneurship Prereq: ENGL 201, Junior Standing	
DSCI 446 (4) (FU) Business Forecasting Prereq: DSCI 346	DSCI 447 (4) (???) Design of Experiments Prereq: DSCI 346	DSCI 448 (4) (???) Business Simulation Prereq: DSCI 346
DSCI 449 (4) (S) Multivariate Data Analysis Prereq: DSCI 346	DSCI/MISC 498 (4) (S) Seminar Prereq: Permission of the instructor, Department Chair, and College Dean	
ENTP 387 (4) (F) Business Startup Research Prereq: Sophomore Standing, ENGL 201, MTHD 104	ENTP 389 (4) (S) Business Feasibility: Plan and Pitch Prereq: Sophomore Standing, ENGL 201, MTHD 104	**ENTP/FINC 438 (4) (W) Entrepreneurial and Small Business Finance Prereq: ENTP 387, ENTP 388, ENTP 389
MISC 371 (4) (FW) Business Applications Program Design Prereq: MISC 211/311	MISC 372 (4) (FS) Data Communication and Network Fundamentals Prereq: MISC 211/311	MISC 486 (4) (S) Information Security Management Prereq: MISC 211/311
MISC/ENTP 487 (4) (W) Digital Entrepreneurship Prereq: MISC 211/311		