

East Central University
Stonecipher School of Business
2024-2025 ITM - Data Analytics Degree Plan

FIRST YEAR

Fall Semester

BUS 1113 Foundations of Business (C)
ENG 1113 Freshman Composition I (C)
MATH 1613 Functions and Modeling (CT)
MIS 1903 Computer Business Applications (C)
UNIV 1001 Tiger Connect (IL)
CMPSC 1113 Computer Programmin I (C)
16 TOTAL HOURS

Spring Semester

---4 Nature and Science*
COMM 1113 Fundamantals of Human Communication (C)
ENG 1213 Freshman Composition II (IL)
---3 Civic Consciousness
---3 Cultural and Aesthetic Awareness
16 TOTAL HOURS

SECOND YEAR

Fall Semester

ACCT 2103 Financial Accounting
BSEC 2603 Business and Economic Statistics
ECON 2003 Principles of Macroeconomics
---3 Civic Consciousness
---4 Nature and Science*
16 TOTAL HOURS

Spring Semester

ACCT 2203 Managerial Accounting
ECON 2013 Principles of Microeconomics
---3 Cultural & Aesthetic Awareness
---1 General Education Electives*
---5 Elective Hours
15 TOTAL HOURS

THIRD YEAR

Fall Semester

BUCOM 3133 Bus. Communication & Report Writing
BSEC 3103 Foundations of Data Analytics
MGMT 3013 Principles of Management
MGMT 3023 Project Management I
MIS 3433 Management Information Systems
15 TOTAL HOURS

Spring Semester

BSEC 4303 Advanced Data Analytics
FIN 3113 Financial Management
MIS 3453 Advanced Computer Business Applications
BUSLW 3213 The Legal Environmnet of Business
MKTG 3313 Principles of Marketing
15 TOTAL HOURS

FOURTH YEAR

Fall Semester

BUS 4213 Business Ethics
ITM 4653 Database Theory and Applictions
---6 Choose 2 courses from the list below#
---3 Elective hours
15 TOTAL HOURS

Spring Semester

BUS 4103 Global Business
ITM 3473 Data Visualization
ITM 4753 Software Development and Team Dynamics
---3 Choose course from the list below#
12 TOTAL HOURS

Total Hours 120

* The elective hour requirement here is based upon the assumption that both science courses are 4 hour courses. If one taken is a 3 credit hour course, you

Per graduation requirements, you must have at least one course from each of the Student Learning Outcomes - Communication (C), Critical Thinking (CT), Information Literacy (IL), Intercultural Knowledge and Competence (IKC), Global Citizenship (GC)

Choose from this list of courses: FIN 3223 Investment Analysis, FIN 4263 Applied Finance, ITM 3423 Web Development, ITM 3613 Data Communication and Computer Networks, ITM 3823 Cybersecurity, ITM 3843 Cloud Management, ITM 4653 Database Theory and Application, MKTG 4413 Marketing Research, MKTG 4623 Marketing Analytics

All ECU students are required to meet the Board of Regents' Computer Proficiency Requirement.