BACHELOR OF SCIENCE IN DATA SCIENCE
PROGRESSION FLOWCHART

FRESHMAN

SSC 2413 Foundations of Amer. Experience
COM 1103 College Composition

SOPHOMORE

SSC 2423 Development of Amer. Experience
LLT 1213 World Masterpieces 1
LLT 1223 World Masterpieces 2
COM 2103 Tech. & Prof. Communication
MCS 2124 Statistics
MCS 2513 Software Engineering 1
MCS 2523 Discrete Math
MCS 2534 Data Structures
MCS 3963 Linear Algebra

JUNIOR

MCS 1111 Coding Club Python
MCS 2111 Coding Club Seminar
MCS 3123 Applied Statistics
MCS 3543 Intro to Database Systems
MCS 3523 Mathematical Modeling
MCS 4993 Artificial Intelligence
MCS 4833 Senior Project

SENIOR

MCS 4111 Coding Club R
MCS 1111 Coding Club Jr./Sr. Elective
MCS 4993 Applied Regression Analysis
MCS 4833 Senior Project 2
MCS 5713 Deep Learning & Neural Networks
MCS 5723 Social Network Mining
MCS 1111 Coding Club Sr. Elective

MCS 1514 Computer Science 1
MCS 2514 Computer Science 2
MCS 2524 Calculus 3
PHY 2413 Univ. Physics 1 Lab
PHY 2421 Univ. Physics 1 Lab
COM 4001 Pathways Capstone Lab
COM 1424 Calculus 2
MCS 2414 Calculus 3
MCS 3963 Linear Algebra
MCS 2543 Text Mining & Data Analytics
MCS 4993 Data Mining & Artificial Intelligence
MCS 4653 Theory of Computation

14 18 15 17 14 16 16 15
127 credit

Name: __________________________ I.D. No. ____________ See Dept for list of approved Electives.

NOTES

KEY: Prerequisite
Prerequisite
Corequisite
Corequisite

Revised: March 2021