

DATA ANALYTICS, BACHELOR OF APPLIED TECHNOLOGY

Code	Title	Hours
Required Coursework		
Data Analytics, Associate of Applied Science		60
Total Hours		60

Code	Title	Hours
Core/Technical Electives		
HIST 1301	United States History I	3
GOVT 2305	Federal Government	3
ENGL 1302	Composition II	3
XXXX X3XX	Life and Physical Science Elective (CORE)	3
COSC 2336	Programming Fundamentals III (Prescribed Elective)	3
Total Hours		15

Code	Title	Hours
Core/Technical Electives		
GOVT 2306	Texas Government	3
HIST 1302	United States History II	3
XXXX X3XX	Creative Arts Elective	3
XXXX X3XX	Life and Physical Science Elective (CORE)	3
COSC 2325	Computer Organization (Prescribed Elective)	3
Total Hours		15

Course	Title	Hours
First Semester		
ITCS 3330	Applied Database Management	3
COSC 3350	Stat Programming with R	3
Hours		6
Second Semester		
ITCS 4331	DataMining&PredictiveAnalytics	3
ITCS 4332	Data Visualization & Reporting	3
NETC 4301	Intro to ML in Cloud Envir	3
NETC 4380	Big Data Analytics on Cloud In	3
Hours		12
Third Semester		
NETC 4302	Adv AI&ML in Cloud Envir	3
COSC 4325	Advanced Data Analytics	3
CSIS 3385	Database&WebVulnerability&Sec	3
ITCS 4355	Applied Technology Capstone ¹	3
Hours		12
Total Hours		30

Note: All Data Analytics **upper-division courses** within the Bachelor of Applied Technology require a grade of "B" or better.

¹ **Capstone Experience:** ITCS 4355 - Applied Technology Capstone is a course that provides a culminating learning experience that integrates and consolidates the knowledge, skills, and competencies gained throughout the student's program of study.

Total Data Analytics, Associate of Applied Science
60

Total Core/Technical Electives
30

Total Data Analytics - Upper Division Courses
30

Total Program Hours
120