# BAY PATH UNIVERSITY
### 1897

## MS in Applied Data Science: Track 1—Data Science Generalist*

### OCTOBER 2019 START – 2 YEAR SCHEDULE

### NOTE: All courses will be offered online.

**FALL SEMESTER: October 21st – December 14th 2019 (Session 1)**

ADS 521 Foundations of Data Science

**FALL SEMESTER: January 6th – February 29th 2020 (Session 2)**

ADS522 Data Analytics I

**SPRING SEMESTER: March 2nd – April 25th 2020 (Session 3)**

ADS523 Data Analytics II

**SPRING SEMESTER: May 4th – June 27th 2020 (Session 4)**

ADS 534 Statistical modeling

**SUMMER SEMESTER: June (TBD) – August (TBD), 2020 (Session 5)**

ADS 525 Introduction to Machine Learning I

**SUMMER SEMESTER:  August (TBD) – October (TBD), 2020 (Session 6)**

ADS 526 Introduction to Machine Learning II

**FALL SEMESTER: October (TBD) – December (TBD), 2020 (Session 1)**

ADS 638 Database Systems

**FALL SEMESTER: January (TBD) – February (TBD), 2021 (Session 2)**

ADS 637 Data Exploration and Visualization

**SPRING SEMESTER: February (TBD) – April (TBD), 2021 (Session 3)**

ADS 650 Time Series Analysis or Other elective*

**SPRING SEMESTER: May (TBD)–June (TBD)–, 2021 (Session 4)**

ADS 652 Text Mining or Other elective*

**SUMMER SEMESTER: June (TBD) – August (TBD), 2021 (Session 5)**

Other elective*

**SUMMER SEMESTER:  August (TBD) – October (TBD), 2021 (Session 6)**

ADS 670 Case Analysis Capstone (online)

## *: OTHER ELECTIVES

**Students may select elective courses from the following list, additional courses may be approved based on students' background.**

INF 642 Project management

INF 654 Organization Knowledge Management

INF 658 Strategies for Information Management

CIM 507 Applied Research Strategies

CIM 605 Decision Support Systems

CBY 510 Foundations of Cybersecurity Management

CBY 515 Foundations of Data Protection

MBA 660 Investment Strategy & Risk Management

MBA 651 High Performance Leadership Strategies

MLN 500 Introduction to Theory/Practice of Negotiation

MLN 505 Introduction to Models/Concepts in Leadership

MHE 500 Introduction to Higher Education Administration

MHE 505 Organization and Governance of Higher Education

NMP 500 Foundations of the Nonprofit Sector

NMP 655 Leadership & Personal Effectiveness

## Note:
- **Student's placement into Track 1 (Data Science Specialist) or Track 2 (Data Science Generalist) will be determined based on the results of the placement test taken at the end of ADS521 as well as the student's preference.**
- **Students must successfully complete their entire program in order to participate in the official graduate ceremony held each May.**
- **Meeting times subject to change.**