DATA ANALYTICS & AI, BACHELOR OF APPLIED SCIENCE (AA GRADUATE)

Program Code: T200 AA
Career Pathway: Science, Technology, Engineering, and Math

Location(s): Courses for this program are offered at all BC locations. (https://www.broward.edu/about/locations/) This program is also offered fully online.

Program Description: The Bachelor of Applied Science Degree in Data Analytics & AI provides individuals who hold an Associate degree the opportunity to further their education. Students completing this program will have the skills and knowledge required to become successful Technology Managers and Leaders within public, private, and non-profit organizations. The curriculum offers a learner-centered and practical approach to understanding Technology Management with a focus on data analytics and IT management.

Special Admissions Requirement for BAS Program: A supplemental application is required for this program. You can complete the application online here (https://broward.formstack.com/forms/bachelors_of_applied_science_application/).

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog. You can find further information on the foreign language requirement here (https://www.broward.edu/admissions/testing/foreign-language-competency.html).

General Education Courses: Will vary based on a student's transcript. Total General Education credits must total 36 as outlined here (https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/).

Program Competency: Once admitted, students must complete 18 credits of program competencies during their beginning semesters. Program competency courses are pre-requisites are pre/co-requisites to all program courses.

Course	Title	Credits
CGS1510C	EXCEL DATA ANALYSIS	3.00
CAP2788C	DATA+	3.00
ISM2410C	ANALYZING AND VISUALIZING DATA WITH POWER BI	4.00
CIS1513C	PROJECT MANAGEMENT	4.00
MAR2644C	DATA BASED MARKETING	3.00
GEB2430	BUSINESS ETHICS	1.00

1. Associate of Arts
2. Data Analytics, Advanced Technical Certificate 4290
3. Information Technology Management, Advanced Technical Certificate 4291
4. Technology Management, Bachelor of Applied Science (AA Graduate) T200 AA

Course	Title	Credits
CGS1510C	EXCEL DATA ANALYSIS [1]	3.00
ISM3212C	DataSys+	3.00
CIS1513C	PROJECT MANAGEMENT [1]	4.00
CAP2788C	DATA+ [1]	3.00
ISM2410C	ANALYZING AND VISUALIZING DATA WITH POWER BI [1]	4.00
ISM3545C	DATA ANALYTICS TECHNOLOGIES	3.00
ISM4201C	APPLIED DATA INTEGRATION AND MANIPULATION	3.00
ISM4547C	DATA ANALYTICS MANAGEMENT	3.00
ISM4415C	APPLIED DATA REPORTING	4.00
CAP4612C	ARTIFICIAL INTELLIGENCE FOR BUSINESS	4.00
MAR2644C	DATA BASED MARKETING [1]	3.00
GEB2430	BUSINESS ETHICS [1]	1.00
ISM3013C	INFORMATION SYSTEMS MANAGEMENT	3.00

ISM3314C	APPLIED PROJECT MANAGEMENT	3.00
ISM3054C	WEB SYSTEMS AND TECHNOLOGIES	3.00
MAN4102	MANAGING CULTURAL DIVERSITY	3.00
ISM4318C	AGILE PRACTIONER	4.00
MAN4120	LEADERSHIP CHALLENGES AND SUPERVISION	3.00
MAN4504	OPERATIONS MANAGEMENT	3.00
Total Credits		**60**

[1] If the course has already been successfully completed, students may take an upper level (UL) course beginning with CET, CIS, CNT, COP, CTS, GEB, ISM, MNA, MAN.

Notes: See General Education course information here (https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/).

Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY.

In accordance with Florida Statute and Florida Administrative Code, students may need to satisfy the Civic Literacy Graduation Requirement. Visit the Civic Literacy Graduation Requirement page at broward.edu/civic-literacy (https://students.broward.edu/resources/civic-literacy/).

Students are strongly encouraged to meet with an advisor (https://students.broward.edu/resources/advising/) to create a personalized educational plan.

PROGRAM HIGHLIGHTS

CREDIT FOR PRIOR LEARNING

Accelerate your path to completion with these options:

- Credit by exam
- Prior Learning Assessment
- Earned industry certifications
- And much more…

RELATED INDUSTRY CERTIFICATIONS

Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses:

- Microsoft Analyzing Data with Power BI
- CompTIA Data +
- PMI Project Management Professional (PMP)
- Certified Associate Project Manager (CAPM)

GET AN INTERNSHIP

After completing your first year of coursework make sure to visit Employment Solutions (https://broward.edu/career/) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship (http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx)
- Virtual Job Shadow Tool (http://www.broward.edu/studentresources/career/Pages/default.aspx)

MEDIAN WAGE AND JOB GROWTH OUTLOOK

Broward College has Career Coach (https://www.broward.edu/careercoach/)! It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

FUND YOUR EDUCATION

This Program is Financial Aid (https://www.broward.edu/admissions/financial-aid/) eligible. Scholarships (https://www.broward.edu/admissions/financial-aid/scholarships/) may be available. This program is part of the Career Source Broward ITA List (http://careersourcebroward.com/).

PROGRAM LEARNING OUTCOMES

Graduates from this program will:

- Graduates will be able to build dashboards to visualize and analyze data and\\napply data analysis to the business decision making process.
- Graduates will be able to read, format, manipulate and analyze various\\ndata types.

- Graduates will summarize the properties of a project and classify project roles and responsibilities
- Graduates will be able to create a unified Extract-Transform-Load data flow to integrate data from various sources and to prepare data for complex analysis.\\n\\nThis is measured in Assignment 6: The Output Step
- Graduates will be able to identify the role of Artificial Intelligence and Machine Learning in Technology and some important applications.
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