Miami Dade College

Business Intelligence Specialist
Associate in Science | Code: 25073 | 60 credits
CIP (1552130101**)**
Effective Term: Fall 2024 (2247)

The Associate in Science in Business Intelligence Specialist prepares students for employment as business intelligence analysts and related occupations and/or for upper division studies in data analytics. Business intelligence is a broad category of application programs and technologies for gathering, storing, analyzing, and providing access to data to help enterprise users make improved business decisions. Students will learn how to build business intelligence applications and how to manipulate massive amounts of data, turning it into useful information and reports.

GENERAL EDUCATION REQUIREMENTS (15.00 Credits)
COMMUNICATIONS (3.00 credits)

ENC 1101	English Composition	(3 credits)	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).

HUMANITIES (3.00 credits)

ARH 1000	Art Appreciation	(3 credits)	
HUM 1020	Introduction to Humanities	(3 credits)	
LIT 2000	Introduction to Literature	(3 credits)	Prerequisite: ENC 1101
MUL 1010	Music Appreciation	(3 credits)	
PHI 2010	Introduction to Philosophy	(3 credits)	
THE 2000	Theatre Appreciation	(3 credits)	

MATHEMATICS (3.00 credits)

MAC 1105	College Algebra	(3 credits)	Prerequisite: MAT 1033♦

♦*Note:* Students must seek advisement for proper mathematics course from discipline chairperson.

NATURAL SCIENCE (3.00 credits)

AST 1002	Descriptive Astronomy	(3 credits)
BSC 1005	General Education Biology	(3 credits)
CHM 1020	General Education Chemistry	(3 credits)
ESC 1000	General Education Earth Science	(3 credits)
EVR 1001	Introduction to Environmental Science	(3 credits)
GLY 1010	Physical Geology	(3 credits)
OCE 1001	Introduction to Oceanography	(3 credits)
PHY 1020	General Education Physics	(3 credits)

SOCIAL SCIENCE (3.00 credits)

AMH 2010	History of the US to 1877	(3 credits)
AMH 2020	History of the US since 1877	(3 credits)
POS 2041	American Federal Government	(3 credits)

COMPUTER COMPETENCY
Test type(s) needed:
Computer Competency Test (CCT)
---or---
CGS 1060C   Introduction to Computer Technology & Applications

MAJOR COURSE REQUIREMENTS (34.00 Credits)

CAP 1788	Introduction to Data Analytics	(4 credits)	
CAP 2761C	Intermediate Analytics	(4 credits)	Prerequisites: CAP 1788 and CGS 1540C
CAP 2791C	Power BI: Data Preparation and Modeling	(4 credits)	Prerequisites: CAP 1788 and CGS 1540C
CAP 2743C	Power BI: Data Visualization and Analysis	(4 credits)	Prerequisite: CAP 2791C
CGS 1060C	Introduction to Computer Technology & Applications	(4 credits)	
CGS 1540C	Database Concepts and Design	(4 credits)	
COP 1047C	Introduction to Python Programming	(4 credits)	
GEB 1011	Principles of Business	(3 credits)	
STA 2023	Statistical Methods	(3 credits)	Prerequisite: MAT 1033♦ or MGF 1131

♦*Note:* Students must seek advisement for proper mathematics course from discipline chairperson.

PROGRAM ELECTIVES (11.00 Credits)

Electives are restricted to courses listed below:

ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA