Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CGS 1060C	Introduction to Computer Technology & Applications	4			
GEB 1101	Principles of Business	3			
ENC 1101	English Composition 1	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).		
MAC 1105	College Algebra	3	Prerequisite: MAT 1033 **Note:** Students must seek advisement for proper mathematics course from discipline chairperson.		
	Semester Credits	**13**			

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
Social Science	AMH 2010, AMH 2020, POS 2041	3	**Note:** Students must satisfy civic literacy requirement by successfully completing AMH 2010, AMH 2020 or POS 2041, which are course options for General Education - Social Sciences. Students are additionally required to achieve a passing score on an approved assessment. Please see Testing Department for examinations and exemptions.		
CAP 1788	Introduction to Data Analytics	4		✓	
CGS 1540C	Database Concepts and Design	4		✓	
Natural Science	AST 1002, BSC 1005, CHM 1020, ESC 1000, EVR 1001, GLY 1010, OCE 1001, PHY 1020	3			
	Semester Credits	**14**			

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
STA 2023	Statistical Methods	3	Prerequisite: MAT 1033 or MGF 1131 **Note:** Students must seek advisement for proper mathematics course from discipline chairperson.		
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	4	**Note**: Check with advisor for requisite information		
	Semester Credits	**7**			

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CAP 2761C	Intermediate Analytics	4	Prerequisite: CAP 1788 and CGS 1540C	✓	
COP 1047C	Introduction to Python Programming	4			Python Coding Specialist
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	4	**Note**: Check with advisor for requisite information		
	Semester Credits	**12**			

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CAP 2791C	Power BI - Data Preparation and Modeling	4	Prerequisite: CAP 1788 and CGS 1540C **Note:** Course offered during mini terms. Students are recommended to take CAP 2791C during the first half of the term, followed by CAP 2743C during	✓	Microsoft's Power BI Data Analyst Associate

			the ladder half.		
CAP 2743C	Power BI - Data Visualization and Analysis	4	Prerequisite: CAP 2791C **Note:** Course offered during mini terms. Students are recommended to take CAP 2791C during the first half of the term, followed by CAP 2743C during the ladder half.	✓	[Microsoft's Power BI Data Analyst Associate](#)
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	3	**Note**: Check with advisor for requisite information		
Humanities	ARH 1000, HUM 1020, LIT 2000 MUL 1010, PHI 2010, THE 2000	3	**Note**: ENC 1101 is a prerequisite to LIT 2000.		
Semester Credits		**14**			
Program Total		**60**		**20**	

Academic Pathway at MDC: The Associate in Science (AS) in Business Intelligence Specialist is a pathway to the [Bachelor of Science in Data Analytics](#) (Plan code: S9510). Program courses lead to a [College Credit Certificate (CCC) in Business Intelligence Professional (BIP)](#) (Plan code: 66038). To learn more about program courses, see the [College Catalog](#). Certain courses will prepare you for in-demand industry certifications and costs of exams may be eligible for reimbursement. You may also accelerate your studies via credit for prior learning or credit for attained industry certifications. [Learn more.](#)

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CGS 1060C	Introduction to Computer Technology & Applications	4			
ENC 1101	English Composition 1	3	Prerequisite: Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).		
MAC 1105	College Algebra	3	Prerequisite: MAT 1033 **Note:** Students must seek advisement for proper mathematics course from discipline chairperson.		
	Semester Credits	**10**			

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CAP 1788	Introduction to Data Analytics	4		✓	
CGS 1540C	Database Concepts and Design	4		✓	
	Semester Credits	**8**			

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
Social Science	AMH 2010, AMH 2020, POS 2041	3	**Note:** Students must satisfy civic literacy requirement by successfully completing AMH 2010, AMH 2020 or POS 2041, which are course options for General Education - Social Sciences. Students are additionally required to achieve a passing score on an approved assessment. Please see Testing Department for examinations and exemptions.		
GEB 1101	Principles of Business	3			
STA 2023	Statistical Methods	3	Prerequisite: MAT 1033 or MGF 1131 **Note:** Students must seek advisement for proper mathematics course from discipline chairperson.		
	Summer Semester Credits	**9**			

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CAP 2761C	Intermediate Analytics	4	Prerequisite: CAP 1788 and CGS 1540C	✓	
COP 1047C	Introduction to Python Programming	4			Python Coding Specialist
	Semester Credits	**8**			

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
CAP 2791C	Power BI - Data Preparation and Modeling	4	Prerequisite: CAP 1788 and CGS 1540C **Note:** Course offered during mini terms. Students are recommended to take CAP 2791C during the first half of the term, followed by CAP 2743C during the ladder half.	✓	Microsoft's Power BI Data Analyst Associate
CAP 2743C	Power BI - Data Visualization and Analysis	4	Prerequisite: CAP 2791C **Note:** Course offered during mini terms. Students are recommended to take CAP 2791C during the first half of the term, followed by CAP 2743C during the ladder half.	✓	Microsoft's Power BI Data Analyst Associate
	Semester Credits	**8**			

Semester 6

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	4	**Note**: Check with advisor for requisite information		
Humanities	ARH 1000, HUM 1020, LIT 2000 MUL 1010, PHI 2010, THE 2000	3	**Note**: ENC 1101 is a prerequisite to LIT 2000 and PHI 2010.		
	Summer Semester Credits	**7**			

Semester 7

Course ID	Course Title	Credits	Pre/Co-requisites	CCC-BIP	Industry Certifications
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	4	**Note**: Check with advisor for requisite information		
Electives	ACG*, CAI*, CAP*, CGS*, CIS*, CNT*, COP*, CTS*, FIN*, GEB*, MAC*, MAD*, MAN*, QMB*, STA*	3	**Note**: Check with advisor for requisite information		
Natural Science	AST 1002, BSC 1005, CHM 1020, ESC 1000, EVR 1001, GLY 1010, OCE 1001, PHY 1020	3			
	Semester Credits	**10**			
	Program Total	**60**		**20**	

Academic Pathway at MDC: The Associate in Science (AS) in Business Intelligence Specialist is a pathway to the Bachelor of Science in Data Analytics (Plan code: S9510). Program courses lead to a College Credit Certificate (CCC) in Business Intelligence Professional (BIP) (Plan code: 66038). To learn more about program courses, see the College Catalog. Certain courses will prepare you for in-demand industry certifications and costs of exams may be eligible for reimbursement. You may also accelerate your studies via credit for prior learning or credit for attained industry certifications. Learn more.