Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
ENC 1101	English Composition I	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♦ ♦Students must seek advisement for proper mathematics course from discipline chairperson.
CGS 1060C★	Introduction to Computer Technology and Applications	4	
COP 1334★	Introduction to C++ Programming	4	
	Semester Credits	**14**	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
CGS 1540C★	Database Concepts and Design	4	
CIS 2331	Systems Analysis, Design and Implementation	5	
COP 2800★	Java Programming	4	Prerequisite: COP 1047C, COP 1334 or COP 2270
	Semester Credits	**13**	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
Social Science	AMH 2010, AMH 2020, POS 2041	3	
Humanities	ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000	3	**Note**: ENC 1101 is a prerequisite to LIT 2000.
Natural Science	AST 1002, BSC 1005, CHM 1020, ESC 1000, EVR 1001, GLY 1010, OCE 1001, PHY 1020, PHY 2053	3	**Note**: Check with advisor for requisite information
	Semester Credits	**9**	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
COP 2660★	Android App Development 1	4	Prerequisite: COP 2800
COP 2662★	Android App Development 2	4	Prerequisites: COP 2660 and COP 2800
Elective	CAI*, CEN*, COP*, CTS*, CGS 2091, EET 1033C, GEB 1432, PHI 2680	4	**Note**: Check with advisor for requisite information.
	Semester Credits	**12**	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
COP 2654★	iPhone App Development 1	4	Prerequisite: COP 1332 or COP 1334
COP 2658★	iPhone App Development 2	4	Prerequisite: COP 2654
Elective	CAI*, CEN*, COP*, CTS*, CGS 2091, EET 1033C, GEB 1432, PHI 2680	4	**Note**: Check with advisor for requisite information.
	Semester Credits	**12**	
	Program Total	**60**	

Academic Pathway at MDC: The AS in Computer Engineering Technology is a pathway to the BAS in Leadership and Management Innovation. ★ Course leads to a College Credit Certificate (CCC) in Computer Programmer - Mobile Applications Development. To learn more about the courses listed see College Catalog.