

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CGS1060C	Intro to Computer Tech & Apps.	4		
CTS1134★	Networking Technologies	4		CompTIA Network+
CTS1145★	Cloud Essentials	4		CompTIA Cloud Essentials AWS Cloud Practitioner
MAC1105	College Algebra	3	Prerequisite: MAT1033♦ <i>Students must seek advisement for proper mathematics course from discipline chairperson.</i>	
Semester Credits		15		

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
CGS1540C★	Database Concepts and Design	4		
CTS1111★	Linux +	4		CompTIA Linux+
CTS1120	Cybersecurity Fundamentals	4		CompTIA Security+
Semester Credits		12		

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
ENC1101	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).	
CTS2375C★	Cloud Infrastructure and Services	4	Prerequisite: CTS 1145 Corequisite: CTS 2960	AWS Solutions Architect Associate
CTS2960★	Cloud Computing Capstone	4	Departmental approval required	
Semester Credits		11		

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
<i>Humanities</i>	ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000	3	Note: ENC 1101 is a prerequisite to LIT 2000.	
CTS2303	Configuring Windows Servers	4	Recommended Prep: CGS1060C and CTS1134 or equivalent knowledge	
AMH2020 or POS2041	History of the US Since 1877 or American Federal Government	3		
Semester Credits		10		

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites	Industry Certifications
<i>Natural Science</i>	AST 1002, BSC 1005, CHM 1020, ESC 1000, EVR 1001, PHY 1020, PHY 2053	3		
CTS2306	Windows Networking Services	4		
<i>Elective</i>	COP 1047C - Introduction to Python Programming	4	Department recommendation	
<i>Elective</i>	CGS*; CIS*; COP*; CTS*	1	Any course with the listed prefixes satisfies this requirement.	
Semester Credits		12		
Program Total		60		

Academic Pathway at MDC: The AS in Networking Services Technology - Enterprise Cloud Computing is a pathway to the [BS in Information Systems Technology](#). ★ Course leads to a [College Credit Certificate \(CCC\) in Enterprise Cloud Computing \(Plan Code: 66058\)](#). In addition, the courses lead to an industry certification through [CompTIA](#), [AWS Cloud Practitioner](#), and [AWS Solutions Architect Associate](#). To learn more about the courses listed see [College Catalog](#). Some [industry certifications](#) are eligible for reimbursement.

Note Math Pathway Algebra Through Calculus