



**Bachelor of Applied Science
Cloud Computing
Cloud Technology Track
2020-2021**

**VCCS
Transfer Guide**

Mason Core Requirements http://catalog.gmu.edu/mason-core		
	VCCS Course	Notes
Foundation		
Lower-Level Written Communication: ENGH 101	ENGH 101	Must be completed prior to application.
Oral Communication:	CST 110	
Quantitative Reasoning:	MTH 154	See note below.
Information Technology & Computing:	ITE 119	
Exploration		
Arts:	Full list of Mason Core equivalencies is available at http://ist.gmu.edu/go/transfer-core	
Global Understanding:		
Literature:		
Natural Science, lab:		
Natural Science, non-lab:		
Social & Behavioral Science:		
Western Civilization/World History:		
Integration		
Upper-Level Written Communication: ENGH 302	n/a	Mason Only

Major: Core Requirements		
BAS 300 Building Professional Competencies	n/a	Mason Only
BAS 490 Introduction to Research Methods	n/a	Mason Only
BAS 491 Applied Sciences Capstone (<i>fulfills synthesis requirement</i>)	n/a	Mason Only
Major: Additional Concentration Requirements		
MATH 108 Intro Calc. w/Bus App <i>or</i> MATH 113 Analytic Geom. & Calc. I	MTH 261/263	See note below.
IT 102 Discrete Structures <i>or</i> MATH 125 Discrete Mathematics	MTH 288	
IT 104 Introduction to Computing	ITE 119	
IT 105 IT Architecture Fundamentals	ITN 100 + ITE 221	Must take both to receive credit
IT 106 IT Problem Solving <i>or</i> IT 109 Intro Computer Programming	ITP 120/ITP 195	Bridge course may be required. Consult advisor.
IT 300 Modern Telecommunications	n/a	Mason Only
IT 341 Data Communications and Network Principles	ITN 154 + ITN 155	Must take both to receive credit
IT 343 IT Project Management (<i>fulfills writing intensive requirement</i>)	n/a	Mason Only
IT 442 Cloud Infrastructure	n/a	Mason Only
IT 451 Cloud Services Management	n/a	Mason Only
IT 461 Application Development in Cloud	n/a	Mason Only
IT 471 Big Data on Cloud Systems	n/a	Mason Only
IT 481 Cloud Security	n/a	Mason Only

Graduation Checklist	
120 Total Credits <i>Most BAS-CYBS students will graduate with 125+ credits</i>	____/120
45 Upper-Division Credits (Courses numbered 300-499) <i>In order to meet this requirement, most Cloud Technology students will need to make three Mason Core courses upper-level.</i>	____/45
Grade of C or better in all Major Core and Concentration courses	_____

Math Course Note: MTH 154 will fulfill Mason Core Quantitative Reasoning, but will not fulfill the Calculus requirement for the Major. Further, MTH 154 cannot be used as a prerequisite for Calculus. As such, students will need to take the Math Placement Exam in order to determine eligibility for Calculus. Alternatively, students may elect to take MTH 161 at NOVA. While MTH 161 does not fulfill Mason Core, it does serve as the prerequisite for Calculus at Mason, eliminating the need for the Placement Exam. Calculus will fulfill both Mason Core and Major requirements. As a third alternative, students can take MTH 261 or MTH 263 at NOVA in order to fulfill both the Mason Core and Major requirements at Mason. Questions? Email BAS@gmu.edu.