



**Bachelor of Applied Science  
Cloud Computing  
Cloud Technology Track  
2021-2022**

**VCCS  
Transfer Guide**

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

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

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

**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 VCCS. 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](mailto:BAS@gmu.edu).