MARICOPA COMMUNITY COLLEGES

GRAND CANYON UNIVERSITY

Associate in Computer Information Systems – Bachelor of Science in Information Technology

General Education requirements, excluding University Foundations and Christian Worldview, will be considered fulfilled in the event a student has completed one of the following Associate degrees:

- *Associate of Arts (AA)*
- *Associate of Science (AS)*

In the event a student has not earned one of the aforementioned Associate level degrees, all general education coursework will be required to complete GCU's Baccalaureate degree.

The following table outlines the requirements needed to receive an Associate in Computer Information Systems from Maricopa Community College. Within the tables below are preferred courses from Maricopa Community College that are applicable towards Grand Canyon University's transfer-oriented Bachelor of Science degree programs. The General Education courses outlined below are not course to course equivalencies, however they will fulfill the requirements for each competency. If the General Education GCU course has a (+) symbol, it indicates that the transferring course must be a direct course equivalency. All Program Major Transferrable Courses must be a direct course equivalency.

Maricopa Community College – Associate in Computer Information Systems	Credits	Grand Canyon University – Bachelor of Science in Information Technology	GCU Applied Semester Credits
General Education Requirements			
Effective Communication (9 - 12 Credits)			
ENG-101: First-Year Composition **OR** ENG-107: First-Year Composition for ESL	3	**+** ENG-105: English Composition	3
ENG-102: First Year Composition **OR** ENG-108: First-Year Composition for ESL	3	Effective Communication	3
Oral Communication	3	Effective Communication	3
Critical Thinking (11 – 12 Credits)			
		+ MAT-154: Applications of College Algebra	
Mathematics – MAT-112: Mathematical Concepts/Applications **OR** MAT-120: Intermediate Algebra **OR** MAT-121: Intermediate Algebra **OR** MAT-122: Intermediate Algebra **OR** Equivalent or higher-level **MA** course	3 - 5	Critical Thinking	3 - 5
Natural Sciences – Select one [SQ] course or one [SG] course with lab	4	Critical Thinking	4
Global Awareness (6 - 8 Credits)			
Social and Behavioral Sciences [SB]	3	Global Awareness	3
Humanities, Art and Design	3	Global Awareness	3
Additional Maricopa Community College Requirements			
CRE-101 or Equivalent as indicated by assessment	0 - 3	Elective Credit	0 - 3

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Maricopa Community College – Associate in Computer Information Systems	Credits	Grand Canyon University – Bachelor of Science in Information Technology	GCU Applied Semester Credits
Restricted Electives – CIS+++ Courses	12	Elective Credit	12
ACC-111: Accounting Principles I	3	Elective Credit	3
CIS-105: Survey of Computer Systems	3	Elective Credit	3
CIS-126DA: UNIX Operating System **OR** CIS-126DL: Linux Operating System **OR** Any MST-150++ Microsoft Windows Course	3	Elective Credit	3
CIS-133DA: Internet/Web Development Level I	3	Elective Credit	3
CIS-150: Programming Fundamentals **OR** CIS-150AB: Object-Oriented Programming Fundamentals	3	Elective Credit	3
CIS-159: Introduction to Networking **OR** Any CIS-162: ++ C Programming Level I Course **OR** CIS-163AA: Java Programming: Level I	3	Elective Credit	3
GBS-151: Introduction to Business	3	Elective Credit	3
GBS-233: Business Communication	3	Elective Credit	2
Bachelor of Science in Information Technology: Program Major Transferrable Courses			
CIS-190: Introduction to Networking **OR** CNT-140AA: Introduction to Networks **OR** MST-140: Microsoft Networking Essentials	3 - 4	ITT-116: Platforms and Network Technologies	3 - 4

Total Credit Hours Needed to Complete Associate of Computer Information Systems at MCCCD	**61 - 67 Credits**
Total Semester Credit Hours applied to Bachelor of Science in Information Technology at Grand Canyon University	**60 Credits**

All students must meet 36 Upper Division credit requirement, as well as 30 GCU credits to meet residency requirement. Students must meet Upper Division credit requirement even if content of an Upper Division course requirement is met with a Lower Division course.

Symbol Key	
+	Symbol indicates the MCCCD course must meet specific content requirements (or higher) in order to fulfill GCU's course.
^	Symbol indicates the MCCCD course meets the content requirement but does not fulfill GCU's upper division requirements.

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Course #	Bachelor of Science	Semester Credits
Non-transferable GCU General Education: 8 Credits		
UNV-303	University Success	4
CWV-301	Christian Worldview	4
General Education Requirements		
+ MAT-154	Applications of College Algebra	4
Bachelor of Science in Information Technology: Program Major		
CST-111	Introduction to Computer Science and Information Technology	4
ITT-121	System Administration and Maintenance	4
ITT-270	Routing and Switching	4
ITT-307	Cybersecurity Foundations	4
SYM-400	Introduction to Database Structures	4
BIT-415	IT Project Management	4
ITT-370	Wireless Networks	4
STG-390	Professionalism in Science & Technology-Communications, Conduct and Ethics	4
SYM-408	Relational Databases for Business Applications	4
ITT-415	IT Business Case Planning for Global Enterprise	4
ITT-430	Security Driven Systems Administration	4
ITT-455	IT Project	4

Total Credit Hours Needed to Complete an Associate in Applied Science in Computer Information Systems at **Maricopa Community College**	61 - 67 Credits
Credits Completed at Grand Canyon University	60 Credits
Credits completed at Grand Canyon University may fluctuate contingent upon coursework successfully completed at the transferring institution. Courses are not listed twice on the transfer guide, so any courses not completed at the transferring institution will still be required as part of the GCU program. Students are required to complete a minimum of 120 credits to earn the Bachelor of Science degree. If the student completes additional courses at the transferring institution, credits may not apply to their GCU program.	
Remaining open elective credits needed to earn Bachelor of Science degree at Grand Canyon University varies based on program major requirements.	

Total Credit Hours Needed to Complete Bachelor of Information Technology at Grand Canyon University	**120 Credits**
Symbol Key	
+	Symbol indicates the MCCCD course must meet specific content requirements (or higher) in order to fulfill GCU's course.
^	Symbol indicates the MCCCD course meets the content requirement but does not fulfill GCU's upper division requirements.

For additional graduation requirements, please see the https://www.gcu.edu/sites/default/files/media/Documents/Academic-Catalog/University-Policy-Handbook.pdf.
Students with transfer credit that applies to this program will shorten the time to completion from that stated on this transfer guide. Please contact your Counselor for more information.
https://www.gcu.edu/sites/default/files/media/Documents/Academic-Catalog/University-Policy-Handbook.pdf
Effective 2019