

**Bachelor of Science in Computer Programming**

Within the table we have identified preferred courses from Maricopa Community Colleges that will be applicable towards Grand Canyon University's Bachelor of Science in Computer Programming. The following will be used in evaluating official transcripts and is recommended to maximize transfer credits:

**Maricopa Community Colleges - Mesa Community College  
Associate in Applied Science in Web Developer; Major: 3084**

POSSIBLE TRANSFER CREDIT SUMMARY			
	# GCU Credits Required	# Credits Applied	GCU Credits Remaining
I. General Education	34.00	10.00	24.00
II. Major Courses	60.00	24.00	36.00
III. Elective Requirements	26.00	26.00	0.00
<b>TOTAL</b>	<b>120.00</b>	<b>60.00</b>	<b>60.00</b>

MARICOPA GENERAL EDUCATION					
Maricopa Course Code	Maricopa Transfer Credits	# Credits Required	GCU Course Code	GCU Course Title	Applied Semester Credits
ENG101 or ENG107	FIRST-YEAR COMPOSITION OR FIRST-YEAR COMPOSITION FOR ESL	3	ENG-105	ENGLISH COMPOSITION I	3.00
ENG102 or ENG108	FIRST-YEAR COMPOSITION OR FIRST-YEAR COMPOSITION FOR ESL	3	ENG-106	ENGLISH COMPOSITION II	3.00
	<a href="#">Oral Communication</a>	3		<a href="#">Effective Communication Transfer - LD</a>	3.00
CRE101	COLLEGE CRITICAL READING OR Equivalent by assessment	3		Elective Transfer - LD	3.00
MAT140/141/142 OR higher course	COLLEGE MATHEMATICS	3	MAT-144	COLLEGE MATHEMATICS	3.00
	<a href="#">Humanities, Arts &amp; Design</a>	3		<a href="#">Global Awareness Transfer - LD</a>	3.00
SBU200	SOCIETY AND BUSINESS	3		Global Awareness Transfer - LD	3.00
	<a href="#">Natural Sciences</a>	4		<a href="#">Critical Thinking Transfer - LD</a>	4.00
<b>TOTAL</b>		<b>25.00</b>			<b>25.00</b>

MARICOPA MAJOR COURSES					
Maricopa Course Code	Maricopa Transfer Credits	# Credits Required	GCU Course Code	GCU Course Title	Applied Semester Credits
CIS133DA	INTERNET/WEB DEVELOPMENT LEVEL I	3	DDN-300	WEB DESIGN I	3.00
CIS224	PROJECT MANAGEMENT MICROSOFT PROJECT FOR WINDOWS	3	CST-326	WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT	3.00
CIS276DA	MYSQL DATABASE	3	CST-126	DATABASE APPLICATIONS PROGRAMMING I	3.00
CIS150AB	OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS	3	CST-135	COMPUTER PROGRAMMING II	3.00
CIS166AA	INTRODUCTION TO JAVASCRIPT	3		Critical Thinking Transfer - LD	3.00
CIS233DA	INTERNET/WEB DEVELOPMENT LEVEL II	3	CST-236	DATABASE APPLICATIONS PROGRAMMING II	3.00
CIS234	XML APPLICATION DEVELOPMENT	3		Elective Transfer – LD	3.00
CIS250	MANAGEMENT OF INFORMATION SYSTEMS	3	BIT-415	IT PROJECT MANAGEMENT	3.00
CIS290AC	COMPUTER INFORMATION SYSTEMS INTERNSHIP	3		Elective Transfer – LD	3.00
<b>RESTRICTED ELECTIVES</b>		<b>12</b>			<b>12.00</b>
CIS162AD	C#: LEVEL I	3	CST-117	ENTERPRISE APPLICATIONS PROGRAMMING I	3.00
CIS163AA	JAVA PROGRAMMING: LEVEL I	3	CST-105	COMPUTER PROGRAMMING I	3.00
CIS262AD	C#: LEVEL II	3	CST-227	ENTERPRISE APPLICATIONS PROGRAMMING II	3.00
<b>SELECT ONE (1) COURSE FROM BELOW:</b>					
CIS120DC	ADOBE ANIMATE: DIGITAL ANIMATION	3		Elective Transfer – LD	3.00
CIS126DL	LINUX OPERATING SYSTEM	3		Elective Transfer – LD	3.00
CIS159	VISUAL BASIC PROGRAMMING	3		Critical Thinking Transfer - LD	3.00
CIS166AC	WEB SCRIPTING WITH ACTIVE SERVER PAGES (ASP).NET	3	DDN-300	WEB DESIGN I	3.00
CIS166AE	WEB SCRIPTING WITH PHP	3	CST-126	DATABASE APPLICATIONS PROGRAMMING I	3.00
CIS217AM	ADVANCED MICROSOFT ACCESS: DATABASE MANAGEMENT	3		Elective Transfer – LD	3.00
CIS233DC	INTERNET WEB DEVELOPMENT DREAMWEAVER	3		Elective Transfer – LD	3.00
CIS259	VISUAL BASIC PROGRAMMING II	3		Critical Thinking Transfer - LD	3.00
CIS263AA	JAVA PROGRAMMING: LEVEL II	3	CST-135	COMPUTER PROGRAMMING II	3.00
<b>TOTAL</b>		<b>39.00</b>			<b>39.00</b>

GCU REMAINING GENERAL EDUCATION REQUIREMENTS		
GCU Course Code	GCU Course Title	# Credits Remaining
UNV-103/303*	UNIVERSITY SUCCESS	4.00
CWV-101/301	CHRISTIAN WORLDVIEW	4.00
STG-390	PROFESSIONALISM IN SCIENCE & TECHNOLOGY: COMMUNICATIONS, CONDUCT, AND ETHICS	4.00
CST-361	DESIGN PATTERNS IN JAVA	4.00
CST-424	RESEARCH METHODS	4.00
ITT-415	IT BUSINESS CASE PLANNING FOR GLOBAL ENTERPRISE	4.00
<b>TOTAL</b>		<b>24.00</b>

GCU REMAINING MAJOR REQUIREMENTS		
GCU Course Code	GCU Course Title	# Credits Remaining
CST-235	COMPUTER PROGRAMMING III	4
CST-247	ENTERPRISE APPLICATIONS PROGRAMMING III	4
CST-201	ALGORITHMS AND DATA STRUCTURES	4
CST-256	DATABASE APPLICATIONS PROGRAMMING III	4
CST-341	OPEN SOURCE COMPUTING	4
CST-221	OPERATING SYSTEMS CONCEPTS	4
CST-323	CLOUD COMPUTING	4
ITT-307	CYBER SECURITY FOUNDATIONS	4
CST-451	SENIOR PROJECT I	2
CST-452	SENIOR PROJECT II	2
<b>TOTAL</b>		<b>36.00</b>

RECOMMENDED ELECTIVES TO MAXIMIZE TRANSFER CREDIT					
Maricopa Course Code	Maricopa Transfer Credits	# Credits Required	GCU Course Code	GCU Course Title	Applied Semester Credits
CSC205 or CSC205AA or CSC205AB or CSC205AC or CSC205AD	OBJECT-ORIENTED PROGRAMMING AND DATA STRUCTURES	3	CST-201	ALGORITHMS AND DATA STRUCTURES	3.00
CIS166AE or CIS166AF	WEB SCRIPTING WITH (PHP) OR WEB SCRIPTING WITH PYTHON	3	CST-341	OPEN SOURCE COMPUTING	3.00
CIS166AC and CIS276DB	WEB SCRIPTING WITH ACTIVE SERVER PAGES (ASP).NET (3) AND SQL SERVER DATABASE (3)	6	CST-323	CLOUD COMPUTING	6.00
CIS166AD and CIS276DC	WEB SCRIPTING WITH JAVA SERVER PAGES (JSP) (3) OR ORACLE DATABASE (3)	6	CST-323	CLOUD COMPUTING	6.00
CIS270	ESSENTIALS OF NETWORK AND INFORMATION SECURITY	3	ITT-307	CYBER SECURITY FOUNDATIONS	3.00
<b>TOTAL</b>		<b>21.00</b>			<b>21.00</b>

NOTES
<p>o Students interested in attending GCU may request a pre-evaluation of their transfer credits through the LOPES Specialist. The LOPES Specialist will review all previous college transcripts to determine how the credits will be applied to the potential student's desired program of study. To find out more information on how to request a pre-evaluation please visit our website at <a href="https://www.gcu.edu/admissions/college-transfer-center/transfer-credits.php">https://www.gcu.edu/admissions/college-transfer-center/transfer-credits.php</a>.</p> <p>o *Traditional campus students who have transferred in a minimum of 24 college level credits and have a 3.0 GPA or higher can waive the University Foundations course, UNV-303.</p> <p>o Students who complete a transfer-oriented associate degree (Associate of Arts or Associate of Science) may fulfill Grand Canyon University's General Education requirements. See GCU University Policy Handbook or speak to a GCU enrollment counselor for more details.</p> <p>o Students may transfer a maximum of 90 semester credit hours, no more than 84 credits of which can be lower-division.</p> <p>o Students must earn and/or transfer a minimum of 36 semester credits in upper division (300 or above) courses.</p> <p>o Students must earn and/or transfer a minimum of 120 semester credits in order to earn a Bachelor degree.</p> <p>o All Grand Canyon University programs follow a Program of Study, which can be changed by the University at any time. All Programs of Study are subject to the terms, conditions, and policies outlined in the University's enrollment application and the <a href="#">University Policy Handbook</a>.</p>

Effective October 2017