

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 - Estrella Mountain, Glendale, Mesa, Phoenix, Paradise Valley & Scottsdale
Associate in Applied Science in Programming and System Analysis; Major: 3844**

POSSIBLE TRANSFER CREDIT SUMMARY			
	# GCU Credits Required	# Credits Applied	GCU Credits Remaining
I. General Education	34.00	14.00	20.00
II. Major Courses	60.00	24.00	36.00
III. Elective Requirements	26.00	26.00	0.00
TOTAL	120.00	64.00	56.00

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 <u>OR</u> FIRST-YEAR COMPOSITION FOR ESL	3	ENG-105	ENGLISH COMPOSITION I	3.00
ENG102 or ENG108	FIRST-YEAR COMPOSITION <u>OR</u> FIRST-YEAR COMPOSITION FOR ESL	3	ENG-106	ENGLISH COMPOSITION II	3.00
	Oral Communication	3		Effective Communication Transfer - LD	3.00
CRE101	COLLEGE CRITICAL READING <u>OR</u> Equivalent by assessment	0-3		Elective Transfer - LD	0-3
MAT150/151/152	COLLEGE ALGEBRA/FUNCTIONS Humanities, Arts & Design	3	MAT-154	APPLICATIONS OF COLLEGE ALGEBRA	3.00
		3		Global Awareness Transfer - LD	3.00
ECN211 or ECN212 or SBU200	MACROECONOMIC PRINCIPLES <u>OR</u> MICROECONOMIC PRINCIPLES <u>OR</u> SOCIETY AND BUSINESS	3		Global Awareness Transfer - LD	3.00
	Natural Sciences	4		Critical Thinking Transfer - LD	4.00
TOTAL		22.00			22.00

MARICOPA MAJOR COURSES					
Maricopa Course Code	Maricopa Transfer Credits	# Credits Required	GCU Course Code	GCU Course Title	Applied Semester Credits
ACC111	ACCOUNTING PRINCIPLES I	3		Critical Thinking Transfer - LD	3.00
CIS105	SURVEY OF COMPUTER INFORMATION SYSTEMS	3		Elective Transfer - LD	3.00
CIS224	PROJECT MANAGEMENT MICROSOFT PROJECT FOR WINDOWS	3	CST-326	WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT	3.00
CIS126DA or CIS126DL or MST150	UNIX OPERATING SYSTEM <u>OR</u> LINUX OPERATING SYSTEM <u>OR</u> any Microsoft Windows course	3		Elective Transfer - LD	3.00
CIS150	PROGRAMMING FUNDAMENTALS	3		Critical Thinking Transfer - LD	3.00
CIS166AF or CIS166AB	WEB SCRIPTING WITH PYTHON <u>OR</u> WEB SCRIPTING WITH PERL/CGI	3	CST-341	OPEN SOURCE COMPUTING	3.00
CIS190 or CNT140AA or MST140	INTRODUCTION TO LOCAL AREA NETWORKS <u>OR</u> INTRODUCTION TO NETWORKS (4) <u>OR</u> MICROSOFT NETWORKING ESSENTIALS	3	ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES	3.00
CIS225AB	OBJECT-ORIENTED ANALYSIS AND DESIGN	3	CST-361	DESIGN PATTERNS IN JAVA	3.00
CIS276DA	MYSQL DATABASE	3	CST-126	DATABASE APPLICATIONS PROGRAMMING I	3.00
CIS162AB or CIS162AD	C++: LEVEL I <u>OR</u> 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
GBS233	BUSINESS COMMUNICATION	3		Effective Communication Transfer - LD	3.00
RESTRICTED ELECTIVES		6			6.00
CIS262AB or CIS262AD	C++: LEVEL II <u>OR</u> C#: LEVEL II	3	CST-227	ENTERPRISE APPLICATIONS PROGRAMMING II	3.00
CIS263AA	JAVA PROGRAMMING: LEVEL II	3	CST-135	COMPUTER PROGRAMMING II	3.00
TOTAL		42.00			42.00

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

GCU REMAINING GENERAL EDUCATION REQUIREMENTS		
GCU Course Code	GCU Course Title	# Credits Remaining
STG-390	PROFESSIONALISM IN SCIENCE & TECHNOLOGY: COMMUNICATIONS, CONDUCT, AND ETHICS	4.00
CST-424	RESEARCH METHODS	4.00
ITT-415	IT BUSINESS CASE PLANNING FOR GLOBAL ENTERPRISE	4.00
TOTAL		20.00

GCU REMAINING MAJOR REQUIREMENTS		
GCU Course Code	GCU Course Title	# Credits Remaining
CST-236	DATABASE APPLICATIONS PROGRAMMING II	4
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-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
TOTAL		36.00

RECOMMENDED ELECTIVES TO MAXIMIZE TRANSFER CREDIT					
Maricopa Course Code	Maricopa Transfer Credits	# Credits Required	GCU Course Code	GCU Course Title	Applied Semester Credits
CIS233DA	INTERNET/WEB DEVELOPMENT LEVEL II	3	CST-236	DATABASE APPLICATIONS PROGRAMMING II	3.00
CSC205 or CSC205AA or CSC205AB or CSC205AC or CSC205AD	OBJECT-ORIENTED PROGRAMMING AND DATA STRUCTURES	3	CST-201	ALGORITHMS AND DATA STRUCTURES	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
TOTAL		21.00			21.00

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 https://www.gcu.edu/admissions/college-transfer-center/transfer-credits.php.</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 University Policy Handbook.</p>

Effective October 2017