

COURSE EQUIVALENCY GUIDE

The following table is the assessment of the courses between Maricopa Community Colleges and Grand Canyon University. The following will be used in evaluating official transcripts.

These courses fulfill the content requirements; however, the courses may not fulfill the credit requirements. To obtain an undergraduate degree at GCU, students are required to meet a minimum of 120 semester credit hours.

Maricopa Community Colleges			Grand Canyon University		
Transfer Course Code	Transfer Course Title	Transcript Credit	Course Code	GCU Course Title OR General Education Category (if applicable)	Applied Semester Credits
COMPUTER INFORMATION SYSTEMS (CIS)					
CIS105	SURVEY OF COMPUTER INFORMATION SYSTEMS	3.0		Elective Transfer – LD	3.0
CIS105 and CIS150AB	SURVEY OF COMPUTER INFORMATION SYSTEMS (3) AND OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS (3)	6.0	CST-110 or CST-111	INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY & LAB (4) OR INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY LECTURE (4) AND Elective Transfer - LD (2)	6.0
CIS105 and CSC100	SURVEY OF COMPUTER INFORMATION SYSTEMS (3) AND INTRODUCTION TO COMPUTER SCIENCE (C++) (3)	6.0	CST-110 or CST-111	INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY & LAB (4) OR INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY LECTURE (4) AND Elective Transfer - LD (2)	6.0
CIS111	ETHICS IN INFORMATION TECHNOLOGY	3.0		Global Awareness Transfer – LD	3.0
CIS117DM	MICROSOFT ACCESS: DATABASE MANAGEMENT	3.0		Elective Transfer – LD	3.0
CIS119DO	INTRODUCTION TO ORACLE: SQL	3.0		Elective Transfer – LD	3.0
CIS119DP	ORACLE: DATABASE ADMINISTRATION	3.0		Elective Transfer – LD	3.0
CIS120DC	ADOBE ANIMATE: DIGITAL ANIMATION	3.0		Elective Transfer – LD	3.0
CIS120DF	ADOBE PHOTOSHOP LEVEL I: DIGITAL IMAGING	3.0		Elective Transfer – LD	3.0
CIS121AH	MICROSOFT POWERSHELL/COMMAND LINE OPERATIONS	3.0		Elective Transfer – LD	3.0
CIS126DA	UNIX OPERATING SYSTEM	3.0		Elective Transfer – LD	3.0
CIS126DL	LINUX OPERATING SYSTEM	3.0		Elective Transfer – LD	3.0
CIS133DA	INTERNET/WEB DEVELOPMENT LEVEL I	3.0	DDN-300	WEB DESIGN I	3.0
CIS150	PROGRAMMING FUNDAMENTALS	3.0		Critical Thinking Transfer - LD	3.0
CIS150AB	OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS	3.0	CST-115 or CST-135	COMPUTER PROGRAMMING II & LAB OR COMPUTER PROGRAMMING II	3.0
CIS151	COMPUTER GAME DEVELOPMENT – LEVEL I	3.0		Elective Transfer – LD	3.0
CIS159	VISUAL BASIC PROGRAMMING	3.0		Critical Thinking Transfer - LD	3.0
CIS162AB	C++: LEVEL I	3.0	BIT-210 or CST-116 or CST-117	OBJECT ORIENTED PROGRAMMING FOR BUSINESS OR ENTERPRISE APPLICATIONS PROGRAMMING I & LAB OR ENTERPRISE APPLICATIONS PROGRAMMING I	3.0
CIS162AC	VISUAL C++: LEVEL I	3.0		Critical Thinking Transfer - LD	3.0
CIS162AD	C#: LEVEL I	3.0	CST-116 or CST-117	ENTERPRISE APPLICATIONS PROGRAMMING I & LAB OR ENTERPRISE APPLICATIONS PROGRAMMING I	3.0
CIS163AA	JAVA PROGRAMMING: LEVEL I	3.0	CST-100 or CST-105	COMPUTER PROGRAMMING I & LAB OR COMPUTER PROGRAMMING I	3.0
CIS166	WEB SCRIPTING/PROGRAMMING	3.0		Critical Thinking Transfer - LD	3.0
CIS166AB	WEB SCRIPTING WITH PERL/CGI	3.0	CST-340 or CST-341	OPEN SOURCE COMPUTING & LAB OR OPEN SOURCE COMPUTING	3.0
CIS166AC	WEB SCRIPTING WITH ACTIVE SERVER PAGES (ASP).NET	3.0	DDN-300	WEB DESIGN I	3.0
CIS166AC and CIS276DB	WEB SCRIPTING WITH ACTIVE SERVER PAGES (ASP).NET (3) AND SQL SERVER DATABASE (3)	6.0	CST-322 or CST-323	CLOUD COMPUTING & LAB (4) OR CLOUD COMPUTING (4) AND Elective Transfer - LD (2)	6.0
CIS166AD and CIS276DC	WEB SCRIPTING WITH JAVA SERVER PAGES (JSP) (3) AND ORACLE DATABASE (3)	6.0	CST-322 or CST-323	CLOUD COMPUTING & LAB (4) OR CLOUD COMPUTING (4) AND Elective Transfer - LD (2)	6.0
CIS166AE	WEB SCRIPTING WITH PHP	3.0	CST-125 or CST-126	DATABASE APPLICATION PROGRAMMING I & LAB OR DATABASE APPLICATIONS PROGRAMMING I	3.0
CIS166AF	WEB SCRIPTING WITH PYTHON	3.0	CST-340 or CST-341	OPEN SOURCE COMPUTING & LAB OR OPEN SOURCE COMPUTING	3.0
CIS190	INTRODUCTION TO LOCAL AREA NETWORKS	3.0	ITT-115 or ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES & LAB OR PLATFORMS AND NETWORK TECHNOLOGIES	3.0
CIS197	VMWARE ESXI SERVER ENTERPRISE	3.0		Elective Transfer – LD	3.0

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CIS217AM	ADVANCED MICROSOFT ACCESS: DATABASE MANAGEMENT	3.0		Elective Transfer – LD	3.0
CIS220DC	FLASH: ADVANCED ANIMATION AND ACTIONSSCRIPT	3.0		Elective Transfer – LD	3.0
CIS224	PROJECT MANAGEMENT MICROSOFT FOR WINDOWS	3.0	CST-325 or CST-326	WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT & LAB OR WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT	3.0
CIS225	BUSINESS SYSTEM ANALYSIS AND DESIGN	3.0	SYM-408	RELATIONAL DATABASES FOR BUSINESS APPLICATIONS	3.0
CIS225AB	OBJECT-ORIENTED ANALYSIS AND DESIGN	3.0	CST-360 or CST-361	DESIGN PATTERNS IN JAVA & LAB OR DESIGN PATTERNS IN JAVA	3.0
CIS226AL	INTERNET/INTRANET SERVER ADMINISTRATION - LINUX	3.0		Elective Transfer – LD	3.0
CIS233DA	INTERNET/WEB DEVELOPMENT LEVEL II	3.0	CST-225 or CST-236	DATABASE APPLICATION PROGRAMMING II & LAB OR DATABASE APPLICATION PROGRAMMING II	3.0
CIS233DC	INTERNET WEB DEVELOPMENT DREAMWEAVER	3.0		Elective Transfer – LD	3.0
CIS234	XML APPLICATION DEVELOPMENT	3.0		Elective Transfer – LD	3.0
CIS235	E-COMMERCE	3.0		Elective Transfer – LD	3.0
CIS238	ADVANCED UNIX SYSTEM ADMINISTRATION	3.0	ITT-120 or ITT-121	SYSTEM ADMINISTRATION AND MAINTENANCE & LAB OR SYSTEMS ADMINISTRATION AND MAINTENANCE	3.0
CIS238DL	LINUX SYSTEM ADMINISTRATION	3.0	ITT-120 or ITT-121	SYSTEM ADMINISTRATION AND MAINTENANCE & LAB OR SYSTEMS ADMINISTRATION AND MAINTENANCE	3.0
CIS239DL	LINUX SHELL SCRIPTING	3.0		Elective Transfer – LD	3.0
CIS240	LOCAL AREA NETWORK PLANNING AND DESIGN	3.0		Elective Transfer – LD	3.0
CIS240DL	LINUX NETWORK ADMINISTRATION	3.0		Elective Transfer – LD	3.0
CIS247DA	CYBER FORENSICS AND INCIDENT HANDLING	3.0	ITT-375	CYBER FORENSICS AND INCIDENT HANDLING	3.0
CIS249	SOFTWARE TESTING FOR QUALITY ASSURANCE	3.0		Elective Transfer – LD	3.0
CIS250	MANAGEMENT OF INFORMATION SYSTEMS	3.0	BIT-415 or ITT-325	IT PROJECT MANAGEMENT OR IT PROJECT MANAGEMENT & LAB	3.0
CIS251	COMPUTER GAME DEVELOPMENT – LEVEL II	3.0		Elective Transfer – LD	3.0
CIS259	VISUAL BASIC PROGRAMMING II	3.0		Critical Thinking Transfer - LD	3.0
CIS262AB	C++: LEVEL II	3.0	CST-216 or CST-227	ENTERPRISE APPLICATIONS PROGRAMMING II & LAB OR ENTERPRISE APPLICATIONS PROGRAMMING II	3.0
CIS262AC	VISUAL C++: LEVEL II	3.0		Critical Thinking Transfer - LD	3.0
CIS262AD	C#: LEVEL II	3.0	CST-216 or CST-227	ENTERPRISE APPLICATIONS PROGRAMMING II & LAB OR ENTERPRISE APPLICATIONS PROGRAMMING II	3.0
CIS263AA	JAVA PROGRAMMING: LEVEL II	3.0	CST-115 or CST-135	COMPUTER PROGRAMMING II & LAB OR COMPUTER PROGRAMMING II	3.0
CIS266	NETWORK INTEGRATION CAPSTONE	4.0		Elective Transfer – LD	4.0
CIS270	ESSENTIALS OF NETWORK AND INFORMATION SECURITY	3.0	ITT-307	CYBER SECURITY FOUNDATIONS	3.0
CIS271	INFORMATION SYSTEM AND NETWORK SECURITY - LEVEL I	3.0	ITT-305	INFORMATION SECURITY I	3.0
CIS271DB	INFORMATION SECURITY ESSENTIALS	3.0	ITT-305	INFORMATION SECURITY I	3.0
CIS271DL	LINUX SECURITY	3.0		Elective Transfer – LD	3.0
CIS272DB	INFORMATION SECURITY PRINCIPLES	3.0	ITT-306	INFORMATION SECURITY II	3.0
CIS275DL	LINUX CAPSTONE	3.0		Elective Transfer - LD	3.0
CIS276DA	MYSQL DATABASE	3.0	CST-125 or CST-126	DATABASE APPLICATION PROGRAMMING I & LAB OR DATABASE APPLICATIONS PROGRAMMING I	3.0
CIS276DB	SQL SERVER DATABASE	3.0	SYM-400	INTRODUCTION TO DATABASE STRUCTURES	3.0
CIS276DC	ORACLE DATABASE	3.0	SYM-400	INTRODUCTION TO DATABASE STRUCTURES	3.0
CIS290AA	COMPUTER INFORMATION SYSTEMS INTERNSHIP	1.0		Elective Transfer – LD	1.0
CIS290AB	COMPUTER INFORMATION SYSTEMS INTERNSHIP	2.0		Elective Transfer – LD	2.0
CIS290AC	COMPUTER INFORMATION SYSTEMS INTERNSHIP	3.0		Elective Transfer – LD	3.0
CIS296WA	COOPERATIVE EDUCATION	1.0		Elective Transfer – LD	1.0
CIS296WB	COOPERATIVE EDUCATION	2.0		Elective Transfer – LD	2.0

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CIS296WC	COOPERATIVE EDUCATION	3.0		Elective Transfer – LD	3.0
CIS298AA	SPECIAL PROJECTS	1.0		Elective Transfer – LD	1.0
CIS298AB	SPECIAL PROJECTS	2.0		Elective Transfer – LD	2.0
CIS298AC	SPECIAL PROJECTS	3.0		Elective Transfer – LD	3.0
CISCO NETWORK TECHNOLOGY (CNT)					
CNT140	CISCO NETWORKING BASICS	4.0	ITT-115 or ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES & LAB OR PLATFORMS AND NETWORK TECHNOLOGIES	4.0
CNT140AA	INTRODUCTION TO NETWORKS	4.0	ITT-115 or ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES & LAB OR PLATFORMS AND NETWORK TECHNOLOGIES	4.0
CNT150	CISCO NETWORKING ROUTER TECHNOLOGIES	4.0	ITT-270	ROUTING AND SWITCHING	4.0
CNT150AA	CISCO – ROUTING AND SWITCHING ESSENTIALS	4.0	ITT-270	ROUTING AND SWITCHING	4.0
CNT200	CCNP ROUTE: IMPLEMENTING CISCO IP ROUTING	4.0		Elective Transfer – LD	4.0
CNT202	CISCO SECURE FIREWALL APPLIANCE CONFIGURATION	4.0		Elective Transfer – LD	4.0
CNT205	CISCO CERTIFIED NETWORK ASSOCIATE SECURITY	4.0		Elective Transfer – LD	4.0
CNT206	CISCO CERTIFIED NETWORK ASSOCIATE WIRELESS	4.0		Elective Transfer – LD	4.0
CNT208	CISCO CERTIFIED NETWORK ASSOCIATE VOICE	4.0		Elective Transfer – LD	4.0
CNT220	CCNP SWITCH: IMPLEMENTING CISCO IP SWITCHING	4.0		Elective Transfer – LD	4.0
CNT231	CCNP TSHOOT: MAINTAINING AND TROUBLESHOOTING CISCO IP NETWORKS	4.0		Elective Transfer – LD	4.0
COMPUTER SCIENCE (CSC)					
CSC100 or CSC100AA or CSC100AA	INTRODUCTION TO COMPUTER SCIENCE (C++)	3.0	CST-210	OBJECT-ORIENTED PROGRAMMING & LAB	3.0
CSC110 or CSC110AA or CSC110AB	INTRODUCTION TO COMPUTER SCIENCE (JAVA)	3.0	CST-100 or CST-105	COMPUTER PROGRAMMING I & LAB OR COMPUTER PROGRAMMING I	3.0
CSC120	DIGITAL DESIGN FUNDAMENTALS	4.0	CST-215	DIGITAL LOGIC AND DESIGN & LAB	4.0
CSC150 or CSC150AA	PROGRAMMING IN C/C++	3.0		Critical Thinking Transfer - LD	3.0
CSC180 or CSC180AA or CSC180AB	COMPUTER LITERACY	3.0		Elective Transfer – LD	3.0
CSC181 or CSC181AA or CSC181AB	APPLIED PROBLEM SOLVING WITH VISUAL BASIC	3.0		Critical Thinking Transfer - LD	3.0
CSC182 or CSC182AA	PRINCIPLES OF PROGRAMMING WITH C#.NET	3.0		Critical Thinking Transfer - LD	3.0
CSC205 or CSC205AA or CSC205AB or CSC205AC or CSC205AD	OBJECT-ORIENTED PROGRAMMING AND DATA STRUCTURES	3.0	BIT-210 or CST-200 or CST-201	OBJECT ORIENTED PROGRAMMING FOR BUSINESS OR ALGORITHMS AND DATA STRUCTURES & LAB OR ALGORITHMS AND DATA STRUCTURES	3.0
CSC220	PROGRAMMING FOR COMPUTER ENGINEERING	3.0	CST-340 or CST-341	OPEN SOURCE COMPUTING & LAB OR OPEN SOURCE COMPUTING	3.0
CSC230	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3.0	CST-307	INTRODUCTION TO COMPUTER ARCHITECTURE & LAB	3.0
CSC240 or CSC240AA	INTRODUCTION TO DIFFERENT PROGRAMMING LANGUAGES	3.0	CST-340 or CST-341	OPEN SOURCE COMPUTING & LAB OR OPEN SOURCE COMPUTING	3.0
CSC283	BIOINFORMATICS AND SCIENTIFIC COMPUTING	3.0		Critical Thinking Transfer - LD	3.0
INFORMATION TECHNOLOGY SECURITY (ITS)					
ITS100	INFORMATION SECURITY AWARENESS	1.0		Elective Transfer – LD	1.0
ITS110	INFORMATION SECURITY FUNDAMENTALS	3.0		Elective Transfer – LD	3.0
ITS110 and ITS130	INFORMATION SECURITY FUNDAMENTALS (3) AND OPERATING SYSTEM SECURITY (3)	6.0	ITT-305	INFORMATION SECURITY I (4) AND Elective Transfer - LD (2)	6.0
ITS120	LEGAL, ETHICAL AND REGULATORY ISSUES	3.0		Global Awareness Transfer – LD	3.0
ITS130	OPERATING SYSTEM SECURITY	3.0		Elective Transfer – LD	3.0
ITS140	NETWORK SECURITY	3.0		Elective Transfer – LD	3.0
ITS240	ETHICAL HACKING AND NETWORK DEFENSE	3.0	ITT-340 or ITT-306	CYBER SECURITY AND ETHICAL HACKING OR INFORMATION SECURITY II	3.0
ITS291	COMPUTER FORENSICS FOUNDATIONS	3.0	ITT-306	INFORMATION SECURITY II	3.0
ITS292	ADVANCED COMPUTER FORENSICS	4.0		Elective Transfer – LD	4.0

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MICROSOFT TECHNOLOGY (MST)					
MST140	MICROSOFT NETWORKING ESSENTIALS	3.0	ITT-115 or ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES & LAB <u>OR</u> PLATFORMS AND NETWORK TECHNOLOGIES	3.0
MST150++	MICROSOFT WINDOWS OPERATING SYSTEM (Any course)	3.0		Elective Transfer – LD	3.0
MST155DA	WINDOWS SERVER NETWORK INFRASTRUCTURE CONFIGURATION	4.0		Elective Transfer – LD	4.0
MST157DA	ACTIVE DIRECTORY WINDOWS SERVER CONFIGURATION	4.0		Elective Transfer – LD	4.0
MST158DA	WINDOWS SERVER ADMINISTRATION	4.0		Elective Transfer – LD	4.0