

COURSE EQUIVALENCY GUIDE BETWEEN MARICOPA COMMUNITY COLLEGES AND GRAND CANYON UNIVERSITY

GCU - CP AND IT COURSES

TRANSFERABLE MCCCDCOURSES

COURSE NUMBER	COURSE TITLE	GCU CREDITS	COURSE NUMBER	COURSE TITLE	MCCCDCREDITS
BIT-210	OBJECT ORIENTED PROGRAMMING FOR BUSINESS	4	CIS162AB OR CSC205	C++: LEVEL I <u>OR</u> OBJECT ORIENTED PROGRAMMING AND DATA STRUCTURES	3
CST-100	COMPUTER PROGRAMMING I & LAB	4	CIS163AA	JAVA PROGRAMMING: LEVEL I	3
CST-105	COMPUTER PROGRAMMING I	4	CIS163AA	JAVA PROGRAMMING: LEVEL I	3
CST-110	INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY & LAB	4	CIS105 AND CIS150AB OR CSC100	SURVEY OF COMPUTER INFORMATION SYSTEMS <u>AND</u> OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS <u>OR</u> INTRODUCTION TO COMPUTER SCIENCE	6
CST-111	INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY LECTURE	4	CIS105 AND CIS150AB OR CSC100	SURVEY OF COMPUTER INFORMATION SYSTEMS <u>AND</u> OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS <u>OR</u> INTRODUCTION TO COMPUTER SCIENCE	6
CST-115	COMPUTER PROGRAMMING II & LAB	4	CIS263AA	JAVA PROGRAMMING: LEVEL II	3
CST-116	ENTERPRISE APPLICATIONS PROGRAMMING I & LAB	4	CIS162AD OR CIS162AB	C#: LEVEL I <u>OR</u> C++: LEVEL II	3
CST-117	ENTERPRISE APPLICATIONS PROGRAMMING I	4	CIS162AD OR CIS162AB	C#: LEVEL I <u>OR</u> C++: LEVEL II	3
CST-125	DATABASE APPLICATION PROGRAMMING I & LAB	4	CIS166AE AND CIS276DA	WEB SCRIPTING WITH PHP <u>AND</u> MYSQL DATABASE	6
CST-126	DATABASE APPLICATIONS PROGRAMMING I	4	CIS166AE AND CIS276DA	WEB SCRIPTING WITH PHP <u>AND</u> MYSQL DATABASE	6
CST-135	COMPUTER PROGRAMMING II	4	CIS263AA	JAVA PROGRAMMING: LEVEL II	3
CST-200	ALGORITHMS AND DATA STRUCTURES & LAB	4	CSC205	OBJECT-ORIENTED PROGRAMMING AND DATA STRUCTURES	3
CST-201	ALGORITHMS AND DATA STRUCTURES	4	CSC205	OBJECT-ORIENTED PROGRAMMING AND DATA STRUCTURES	3
CST-210	OBJECT-ORIENTED PROGRAMMING & LAB	4			
CST-211	PROGRAMMING FOR ENGINEERING & LAB	4			
CST-213	COMPUTER PROGRAMMING III & LAB	4			
CST-215	DIGITAL LOGIC AND DESIGN & LAB	4			
CST-216	ENTERPRISE APPLICATIONS PROGRAMMING II & LAB	4	CIS262AD OR CIS262AB	C#: LEVEL II <u>OR</u> C++: LEVEL I	3
CST-217	PRINCIPLES OF DATABASE DESIGN AND PROGRAMMING & LAB	4			
CST-220	OPERATING SYSTEMS CONCEPTS & LAB	4			
CST-221	OPERATING SYSTEMS CONCEPTS	4			

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CST-225	DATABASE APPLICATION PROGRAMMING II & LAB	4	CIS233DA	INTERNET / WEB DEVELOPMENT LEVEL II	3
CST-226	ENTERPRISE APPLICATIONS PROGRAMMING III & LAB	4			
CST-227	ENTERPRISE APPLICATIONS PROGRAMMING II	4	CIS262AD OR CIS262AB	C#: LEVEL II <u>OR</u> C++: LEVEL I	3
CST-230	DATABASE APPLICATION PROGRAMMING III & LAB	4			
CST-235	COMPUTER PROGRAMMING III	4			
CST-236	DATABASE APPLICATION PROGRAMMING II	4			
CST-247	ENTERPRISE APPLICATIONS PROGRAMMING III	4			
CST-256	DATABASE APPLICATION PROGRAMMING III	4			
CST-305	PRINCIPLES OF METHODS AND SIMULATION & LAB	4			
CST-307	INTRODUCTION TO COMPUTER ARCHITECTURE & LAB	4			
CST-310	COMPUTER GRAPHICS & LAB	4			
CST-315	OPERATING SYSTEMS & LAB	4			
CST-320	HUMAN-COMPUTER INTERACTION AND COMMUNICATION & LAB	4			
CST-322	CLOUD COMPUTING & LAB	4			
CST-323	CLOUD COMPUTING	4			
CST-325	WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT & LAB	4			
CST-326	WRITTEN AND VERBAL COMMUNICATION FOR SOFTWARE DEVELOPMENT	4			
CST-340	OPEN SOURCE COMPUTING & LAB	4	CIS166AF OR CIS166ABC OR CSC220	WEB SCRIPTING WITH PYTHON <u>OR</u> WEB SCRIPTING PERL/CGI <u>OR</u> PROGRAMMING FOR COMPUTER ENGINEERING	3
CST-341	OPEN SOURCE COMPUTING	4			
CST-360	DESIGN PATTERNS IN JAVA & LAB	4	CIS225AB	OBJECT-ORIENTED ANALYSIS AND DESIGN	3
CST-361	DESIGN PATTERNS IN JAVA	4	CIS225AB	OBJECT-ORIENTED ANALYSIS AND DESIGN	3
CST-403	COMPUTER SCIENCE INTERNSHIP I	4			
CST-404	COMPUTER SCIENCE INTERNSHIP II	4			
CST-405	PRINCIPLES OF COMPILER DESIGN & LAB	4			
CST-410	GAME DESIGN AND GAME PLAY & LAB	4			
CST-415	AI IN GAMES AND SIMULATIONS & LAB	4			
CST-416	MOBILE GAME DEVELOPMENT & LAB	4			
CST-424	RESEARCH METHODS	4			

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CST-425	VERY LARGE INFORMATION SYSTEMS & LAB	4			
CST-435	SEARCH ENGINES AND DATA MINING & LAB	4			
CST-440	ANALYTICS FOR DYNAMIC SOCIAL NETWORKS & LAB	4			
CST-451	SENIOR PROJECT I	2			
CST-452	SENIOR PROJECT II	2			
ITT-115	PLATFORMS AND NETWORK TECHNOLOGIES & LAB	4	CST190 OR MST140 OR CNT140 OR MST140	INTRODUCTION TO LOCAL AREA NETWORKS <u>OR</u> INTRODUCTION TO NETWORKS <u>OR</u> CISCO NETWORKING BASICS <u>OR</u> MICROSOFT NETWORKING ESSENTIALS	3
ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES	4	CST190 OR MST140 OR CNT140 OR MST140	INTRODUCTION TO LOCAL AREA NETWORKS <u>OR</u> INTRODUCTION TO NETWORKS <u>OR</u> CISCO NETWORKING BASICS <u>OR</u> MICROSOFT NETWORKING ESSENTIALS	3
ITT-120	SYSTEM ADMINISTRATION AND MAINTENANCE & LAB	4	CIS238 OR CIS238DL	ADVANCED UNIX SYSTEM ADMINISTRATION <u>OR</u> LINUX SYSTEM ADMINISTRATION	3
ITT-121	SYSTEMS ADMINISTRATION AND MAINTENANCE	4	CIS238 OR CIS238DL	ADVANCED UNIX SYSTEM ADMINISTRATION <u>OR</u> LINUX SYSTEM ADMINISTRATION	3
ITT-200	CLOUD-BASED COMPUTING AND SYSTEMS & LAB	4			
ITT-250	SERVICE ORIENTED ARCHITECTURE	4			
ITT-270	ROUTING AND SWITCHING	4			
ITT-305	INFORMATION SECURITY I	2	ITS110 AND ITS130	INFORMATION SECURITY FUNDAMENTALS <u>AND</u> OPERATING SYSTEM SECURITY	6
ITT-306	INFORMATION SECURITY II	2	ITS240 OR ITS291	ETHICAL HACKING AND NETWORK DEFENSE <u>OR</u> COMPUTER FORENSICS FOUNDATIONS	3
ITT-307	CYBER SECURITY FOUNDATIONS	4			
ITT-325	IT PROJECT MANAGEMENT & LAB	4	CIS250	MANAGEMENT OF INFORMATION SYSTEMS	3
ITT-330	DATA CENTER SYSTEMS ADMINISTRATION	4			
ITT-340	CYBER SECURITY AND ETHICAL HACKING	4	ITS240	ETHICAL HACKING AND NETWORK DEFENSE	3
ITT-350	SERVICE ORIENTED ARCHITECTURE FOR BIG DATA	4			
ITT-370	WIRELESS NETWORKS	4			
ITT-375	CYBER FORENSIC INVESTIGATIONS	4			
ITT-403	INFORMATION TECHNOLOGY INTERNSHIP	2			
ITT-404	INFORMATION TECHNOLOGY INTERNSHIP	2			
ITT-410	EMERGING TECHNOLOGIES & LAB	4			
ITT-415	IT BUSINESS CASE PLANNING FOR GLOBAL ENTERPRISE	4			
ITT-422	STRATEGIES FOR TECHNOLOGY INNOVATION & LAB	4			

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ITT-425	ANALYSIS, DESIGN, AND MANAGEMENT OF SECURE CORPORATE NETWORKS	4			
ITT-430	SECURITY DRIVEN SYSTEM ADMINISTRATION	4			
ITT-450	CLOUD TECHNOLOGIES, SYSTEMS, AND APPLICATIONS & LAB	4			
ITT-455	IT PROJECT	4			
STG-390	PROFESSIONALISM IN SCIENCE & TECHNOLOGY: COMMUNICATIONS, CONDUCT, AND ETHICS	4			
SYM-400	INTRODUCTION TO DATABASE STRUCTURES	4	CIS276DB OR CIS276DC	SQL SERVER DATABASE <u>OR</u> ORACLE DATABASE	3
SYM-405	BUSINESS PROGRAMMING	4			
SYM-408	RELATIONAL DATABASES FOR BUSINESS APPLICATIONS	4	CIS225	BUSINESS SYSTEM ANALYSIS AND DESIGN	3

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