

Transfer Guide between Maricopa Community Colleges and Grand Canyon University



Associate in Applied Science in Electronics Engineering Technology – Bachelor of Science in Electrical Engineering Technology

Mesa Community College; Major Code: [3224](#)

Within the table we have identified courses from Maricopa Community Colleges that will be applicable towards Grand Canyon University's Bachelor of Science in Electrical Engineering Technology. The following will be used in evaluating official transcripts.

Maricopa Community Colleges Associate in Applied Science in Electronics Engineering Technology		Grand Canyon University Bachelor of Science in Electrical Engineering Technology	
Course Code and Title	Credits	Course Code and Title	Applied Semester Credits
***See GCU Course Equivalency Guide(s) at https://www.gcu.edu/admissions/college-transfer-center.php .			
PROGRAM PREREQUISITES: 0-5 CREDITS			
MAT120/121/122 INTERMEDIATE ALGEBRA	3-5	MAT-134: APPLICATIONS OF ALGEBRA AND GENERAL EDUCATION: CRITICAL THINKING (0-1)	3-5
GENERAL EDUCATION REQUIREMENTS: 20-26 CREDITS			
ENG101 FIRST-YEAR COMPOSITION OR ENG107 FIRST-YEAR COMPOSITION FOR ESL (prerequisite placement must be met)	3	ENG-105: ENGLISH COMPOSITION I	3
ENG111 TECHNICAL AND PROFESSIONAL WRITING	3	GENERAL EDUCATION: EFFECTIVE COMMUNICATION	3
COM100 INTRODUCTION TO HUMAN COMMUNICATION OR COM110 INTERPERSONAL COMMUNICATION OR COM230 SMALL GROUP COMMUNICATION	3	COM-100: FUNDAMENTALS OF COMMUNICATION OR GENERAL EDUCATION: EFFECTIVE COMMUNICATION OR COM-222: SMALL GROUP COMMUNICATION	3
CRE101 COLLEGE CRITICAL READING OR EQUIVALENT BY ASSESSMENT	0-3	GENERAL ELECTIVE	0-3
MAT150/151/152: COLLEGE ALGEBRA/FUNCTIONS	3-5	MAT-154: APPLICATIONS OF COLLEGE ALGEBRA AND GENERAL EDUCATION: CRITICAL THINKING (0-1)	3-5
MAT182: PLANE TRIGONOMETRY OR HIGHER MATHEMATICS COURSE	3	GENERAL EDUCATION: CRITICAL THINKING***	3
HUMANITIES AND FINE ARTS – SELECT FROM APPROVED AAS GENERAL EDUCATION COURSE LIST: https://goo.gl/h4CXhN	2-3	GENERAL EDUCATION: GLOBAL AWARENESS***	2-3
SOCIAL AND BEHAVIORAL SCIENCES – SELECT FROM APPROVED AAS GENERAL EDUCATION COURSE LIST: https://goo.gl/h4CXhN	3	GENERAL EDUCATION: GLOBAL AWARENESS***	3
NATURAL SCIENCES	0	MET BY PHYSICS REQUIRED COURSES	0
REQUIRED COURSES: 47 CREDITS			
ECE102 ENGINEERING ANALYSIS TOOLS AND TECHNIQUES	2	GENERAL EDUCATION: CRITICAL THINKING	2
ECE103 ENGINEERING PROBLEM SOLVING AND DESIGN	2	GENERAL EDUCATION: CRITICAL THINKING	2
ELE111 CIRCUIT ANALYSIS I	4	EET-202/EET-202L: APPLIED CIRCUITS I (LECTURE & LAB) (MAJOR)	4
ELE112 CIRCUIT ANALYSIS II	4	EET-302: APPLIED CIRCUITS II & LAB (MAJOR)	4
ELE121 SOLID-STATE DEVICES AND CIRCUITS I	4	GENERAL EDUCATION: CRITICAL THINKING	4
ELE131 DIGITAL LOGIC AND CIRCUITS (3) AND ELE-181 COMPUTER PROGRAMMING FOR TECHNOLOGY (3)	6	CST-215: DIGITAL LOGIC AND DESIGN & LAB (4) (MAJOR) AND GENERAL EDUCATION: CRITICAL THINKING (2)	6
ELE222 SOLID-STATE DEVICES AND CIRCUITS II	4	GENERAL EDUCATION: CRITICAL THINKING	4
ELE241 MICROPROCESSOR CONCEPTS	4	GENERAL EDUCATION: CRITICAL THINKING	4

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MAT220 CALCULUS WITH ANALYTIC GEOMETRY I	5	MAT-252: CALCULUS AND ANALYTIC GEOMETRY I (4) AND GENERAL EDUCATION: CRITICAL THINKING (1) (MAJOR)	5
MAT231 CALCULUS WITH ANALYTIC GEOMETRY II	4	MAT-253: CALCULUS AND ANALYTICAL GEOMETRY II	4
PHY111 GENERAL PHYSICS I	4	PHY-111/111L: GENERAL PHYSICS I (LECTURE & LAB) (MAJOR)	4
PHY112 GENERAL PHYSICS II	4	PHY-112/112L: GENERAL PHYSICS II (LECTURE & LAB) (MAJOR)	4
Minimum Number of Credits Required for Associate in Applied Science in Electronic Engineering Technology at Maricopa Community Colleges			67
Total Credits Applied Towards Grand Canyon University's Bachelor of Science in Electrical Engineering Technology			40-44

The following table outlines the remaining courses required to fulfill the Bachelor of Science in Electrical Engineering Technology program requirements at Grand Canyon University.

Course Code	Bachelor of Science in Electrical Engineering Technology	Semester Credits
GENERAL EDUCATION: 4 - 8 CREDITS		
UNV-103/303*	UNIVERSITY SUCCESS	0-4
CWV-101/301	CHRISTIAN WORLDVIEW	4
PROGRAM MAJOR: 80 CREDITS		
STG-390	PROFESSIONALISM IN SCIENCE AND TECHNOLOGY – COMMUNICATIONS, CONDUCT AND ETHICS	4
MAT-261	PRE-CALCULUS	4
CHM-113/113L	GENERAL CHEMISTRY I (LECTURE & LAB)	4
STG-110/110L	TEAM INNOVATION EXPERIENCE (LECTURE & LAB)	4
CST-110	INTRODUCTION TO COMPUTER SCIENCE AND INFORMATION TECHNOLOGY & LAB	4
MAT-274	PROBABILITY AND STATISTICS	4
ETG-222	EXPERIMENTAL METHODS	4
CST-210	OBJECT-ORIENTATED PROGRAMMING & LAB	4
ITT-116	PLATFORMS AND NETWORK TECHNOLOGIES	4
EET-325	EMBEDDED SYSTEMS	4
EET-320	DIGITAL ELECTRONICS AND INTEGRATED CIRCUITS & LAB	4
ETG-315	MATERIALS AND MICROSCOPY & LAB	4
ETG-498	SENIOR PROJECT I	2
ETG-415/415L	POWER AND ENERGY TECHNOLOGIES (LECTURE & LAB)	4
ETG-420	QUALITY CONTROL	2
EET-330	COMMUNICATION NETWORKS & LAB	4
ITT-270	ROUTING AND SWITCHING	4
ETG-499	SENIOR PROJECT II	2
EET-425	INDUSTRIAL AUTOMATION	2
ETG-410	CONTROLS AND INSTRUMENTATION & LAB	4
EET-430	ELECTRICAL TROUBLESHOOTING AND MAINTENANCE & LAB	4
	SELECT ONE (1) COURSE:	
CST-307	INTRODUCTION TO COMPUTER ARCHITECTURE LECTURE & LAB	4
CST-323	CLOUD COMPUTING	4
STG-403	INTERNSHIP I	4
	Elective credits if needed to reach 128 credit minimum for Bachelor's degree	0
Total Credits Completed at Grand Canyon University		80

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Transfer Credits from the Associate in Applied Science in Electronics Engineering Technology – Maricopa Community Colleges	40-44 semester credits
Remaining Credits Required at Grand Canyon University	84-88 semester credits
Total Credits Needed to Complete Bachelor of Science in Electrical Engineering Technology at Grand Canyon University	128 credits

Students interested in attending GCU may request a pre-evaluation of their transfer credits thorough 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 <http://www.gcu.edu/Transfer-Center/Pre-Evaluation-Request.php>

* 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.

** 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 Policy Handbook or speak to a GCU enrollment counselor for more details.

- Students may transfer a maximum of 90 semester credits, no more than 84 credits of which can be lower-division.
- Students must earn and/or transfer a minimum of 36 semester credits in upper division (300 or above) courses.
- Students must earn and/or transfer a minimum of 120 semester credits in order to earn a Bachelor degree.
- 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](#).

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