

Transfer Guide between Maricopa Community Colleges and Grand Canyon University



Associate of Arts – Bachelor of Science in Chemistry for Secondary Education

Chandler-Gilbert Community College
Estrella Mountain Community College
GateWay Community College

Glendale Community College
Mesa Community College
Paradise Valley Community College
Phoenix College

Rio Salado College
Scottsdale Community College
South Mountain Community College

The following table outlines the requirements needed to receive an Associate of Arts from Maricopa Community Colleges. 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 Chemistry for Secondary Education. The following will be used in evaluating official transcripts.

Maricopa Community Colleges – Associate of Arts	Credits	Grand Canyon University – Bachelor of Science in Chemistry for Secondary Education	GCU Applied Semester Credits
Degree Requirements: 60 credits			
General Education: 37-38 credits			
ENG101: First Year Composition OR ENG107: First-Year Composition for ESL <i>(Prerequisite placement must be met)</i>	3	ENG-105: English Composition I	3
ENG102: First Year Composition OR ENG108: First-Year Composition for ESL	3	ENG-106: English Composition II	3
Literacy & Critical Inquiry – See aztransfer.com/mccd_matrix for approved course lists. NOTE: Both COM225 – Public Speaking and/or CRE101 – Critical College Reading fulfill Literacy & Critical Inquiry [L] requirement.	3	General Elective	3
MAT187: Precalculus	5	MAT-261: Pre- Calculus AND General Education: Critical Thinking	4 1
Computer/Statistics/Quantitative Applications – See aztransfer.com/mccd_matrix for approved course list.	3	General Elective	3
Social-Behavioral Sciences – Select SB courses from two different disciplines that also meet Cultural Diversity in the U.S. (C) and/or Global or Historical Awareness (G or H) if not already met. See aztransfer.com/mccd_matrix for approved course list. EDU222: Introduction to the Exceptional Learner recommended	6	General Education: Global Awareness, Perspectives, and Ethics (See MCCCDC-GCU Course Equiv. Guide: http://www.gcu.edu/Transfer-Center/Transfer-from-a- Maricopa-Community-College/Course-Equivalency- Guides.php) SPD-200: Survey of Education: Mild to Moderate Disabilities recommended	6
Humanities, Arts & Design- Select HU that also meets Cultural Diversity in the U.S. (C) and/or Global or Historical Awareness (G or H) if not already met. See aztransfer.com/mccd_matrix for approved course list.	6	General Education: Global Awareness, Perspectives, and Ethics (See MCCCDC-GCU Course Equiv. Guide: http://www.gcu.edu/Transfer-Center/Transfer-from-a- Maricopa-Community-College/Course-Equivalency- Guides.php)	6
CHM150/151: General Chemistry I (3-4) AND CHM151LL: General Chemistry I Laboratory (1)	4-5	CHM-113/L: General Chemistry I (Lecture & Lab)	4
BIO181: General Biology (Majors) I	4	BIO-181/L: General Biology I (Lecture & Lab)	4
Maricopa Additional Requirements - May be shared with General Education and Secondary Education Requirements: 0-6 credits			
CRE101: College Critical Reading OR Equivalent by assessment NOTE: CRE101 – Critical College Reading fulfills Literacy & Critical Inquiry [L] requirement.	0-3	General Elective	0-3

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Oral Communications- Select from COM100, 110, 225, or 230. NOTE: COM225 – Public Speaking fulfills Literacy & Critical Inquiry [L] requirement. COM100/110/230 fulfill Social Behavioral [SB] Science requirement.	0-3	General Education: Effective Communication (See MCCCCD-GCU Course Equiv. Guide: http://www.gcu.edu/Transfer-Center/Transfer-from-a-Maricopa-Community-College/Course-Equivalency-Guides.php)	0-3
Recommended Elective: 50 credits			
CHM152: General Chemistry II (3) AND CHM152LL: General Chemistry II Laboratory (1)	4	CHM-115/L: General Chemistry II (Lecture & Lab)	4
EDU220: Introduction to Serving English Language Learners (ELL) OR EDU225: Foundations for Serving English Language Learners (ELL)	3	ESL-223N: SEI English Language Teaching: Foundations and Methodologies	3
EDU233: Structured English Immersion (SEI) and English as a Second Language (ESL) Teaching Methods OR EDU228: Reading and Decoding: Elementary	3	ESL-433N: Advanced Methodologies of Structured English Immersion	3
CHM235: General Organic Chemistry I (3) AND CHM235LL: General Organic Chemistry I Laboratory (1)	4	CHM-231/L: Organic Chemistry I (Lecture & Lab) OR CHM-331/L: Organic Chemistry I (Lecture & Lab)	4
CHM236: General Organic Chemistry IIA (3) AND CHM236LL: General Organic Chemistry IIA Laboratory (1)	4	CHM-232/L: Organic Chemistry II (Lecture & Lab)	4
CHM260: Fundamental Biochemistry (3) AND CHM260LL: Fundamental Biochemistry Laboratory (1)	4	CHM-360/L: Principles of Biochemistry (Lecture & Lab)	4
PHY115: University Physics I OR PHY121 University Physics I: Mechanics	4-5	PHY-121 & 121L: University Physics I Lecture & Lab AND/OR General Education: Critical Thinking (See MCCCCD-GCU Course Equiv. Guide: http://www.gcu.edu/Transfer-Center/Transfer-from-a-Maricopa-Community-College/Course-Equivalency-Guides.php)	4 1
PHY116: University Physics II OR PHY131: University Physics II: Electricity and Magnetism	4-5	PHY-122 & 122L: University Physics II Lecture & Lab AND/OR General Education: Critical Thinking (See MCCCCD-GCU Course Equiv. Guide: http://www.gcu.edu/Transfer-Center/Transfer-from-a-Maricopa-Community-College/Course-Equivalency-Guides.php)	4 1
MAT220/221: Calculus with Analytic Geometry I AND MAT230/231: Calculus and Analytic Geometry II AND MAT 241: Calculus and Analytic Geometry III (Students must complete all 3 courses to meet MAT-262 and MAT-264)	9	MAT-262: Calculus for Science and Engineering I AND MAT-264: Calculus for Science and Engineering II AND General Education: Critical Thinking	4 4 1
EDU222: Introduction to the Exceptional Learner	3	SPD-200: Survey of Education: Mild to Moderate Disabilities	3
POS220: U.S. and Arizona Constitution (3) OR POS221: Arizona Constitution (1) PLUS POS222: US Constitution (2) OR POS227: US & Arizona Social Studies (3)	3	POS-301: U.S. and Arizona Constitutions AND General Elective	2 1
PSY248: Psychology of Adolescent Development	3	SEC-201: Early Adolescent and Adolescent Psychology	3
Minimum Number of Credits Required for Associate of Arts at Maricopa Community Colleges			60
Total Credits Applied Towards Grand Canyon University's Bachelor of Science in Chemistry for Secondary Education			60

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The following table outlines the remaining courses required to fulfill Bachelor of Science in Chemistry for Secondary Education program requirements at Grand Canyon University:

Course #	Bachelor of Science in Chemistry for Secondary Education	Semester Credits
Required General Education: 12 credits		
UNV-303*	University Success	4
CWV-301	Christian Worldview	4
SCI-210	Historical Landmarks in the Natural Sciences	2
SCI-211	Paradigm Shifts in the Natural Sciences	2
Program Major Remaining: 44 credits		
CHM-420	Environmental Chemistry	3
EDU-330	Social Justice for Educators	4
SEC-345	Content Area Literacy for Middle and Secondary Teachers	4
CHM-441	Physical Chemistry I	3
CHM-441L	Physical Chemistry I Lab	1
SEC-355	Middle and Secondary Curriculum and Assessment	4
SEC-450	Data-Driven Instructional Methods for Middle and Secondary Teachers	4
SEC-455	Classroom Engagement and Management for Middle and Secondary Teachers	4
SCI-480	Methods of Teaching Science in Secondary Schools	4
CHM-365	Instrumental Analysis	3
CHM-365L	Instrumental Analysis Lab	1
SCI-300L	Laboratory Safety and Supervision	1
SEC-490	Student Teaching for Secondary Education	8
Elective credits if needed to reach 120 credit minimum for Bachelor's degree		4
Total Credits Completed at Grand Canyon University		60

Transfer Credits from the Associate of Arts – Maricopa Community Colleges	60 semester credits
Remaining Credits Required at Grand Canyon University	60 semester credits
Total Credit Hours Needed to Complete Bachelor of Science in Chemistry for Secondary Education at Grand Canyon University	120 credits

*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. For additional graduation requirements, please see the <http://www.gcu.edu/Policy-Handbook.php>.
To obtain a baccalaureate degree at Grand Canyon University (GCU), a student must earn a minimum of 36 semester credits in upper division (300 or above) courses. A minimum of 120 credits are required for completion of this program of study. If taking one course at a time, this program will take on average 48 months at GCU. Students with transfer credit that applies to this program will shorten the time to completion from that stated on this transfer guide. Please contact your Academic Advisor for more information.
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 <http://www.gcu.edu/Policy-Handbook.php>.

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