

Early College Onramps to Maricopa Community Colleges' Pathways *and Beyond*

AZ HSI Summit 2023



**MESA
COMMUNITY COLLEGE**

A **MARICOPA** COMMUNITY COLLEGE

HSI-STEM Guided Pathways Enhancement Project

mesa
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Title V SENDAS Grant



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HSI-STEM Guided Pathways Enhancement Project

What are guided pathways?

College students are more likely to complete a degree in a timely fashion if they choose a program and develop an academic plan early on, have a clear road map of the courses they need to take to complete a credential, and receive guidance and support to help them stay on plan.



CCTA Program & Course Search

The Curriculum & Transfer Articulation website has moved to the Employee Portal (login required). The [CCTA Internal Department pages](#) include: Curriculum, Curriculum Handbook, General Studies, Instructional Council Handbook, Transfer Articulation and University Partnerships information.

Transfer information for students can be found [here](#).

Find Courses & Programs

[Courses](#)[Current programs](#)[Historical programs](#)



Tennis Shoes v Sneakers

CC-BY-NC: Paul Xhrouet, [Tennis Shoes 01](#), Flickr

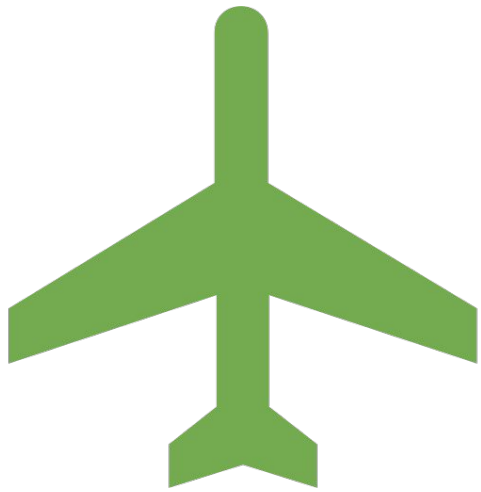
High School	High School Class Number	High School Class Title	Registration Semester	Teacher Last Name	Teacher First Name	MCCCD Course Number	MCCCD Course Title	Credits
Westwood	MA84	Honors Pre-Calculus	Fall	Newcomb	Janelle	MAT188	Precalculus	4
Westwood	MA84	IB Math Analysis SL I	Fall	Newcomb	Janelle	MAT188	Precalculus	4
Mesa	MA52	AP Statistics	Fall	Easter	Jesse	MAT206	Elements of Statistics	3
Red Mountain	MA52	AP Statistics	Fall	Miller	Eric	MAT206	Elements of Statistics	3
Dobson	MA50	AP Calculus AB	Fall	Berg	Kelly	MAT221	Calculus with Analytic Geometry I	4
Red Mountain	MA50	AP Calculus AB	Fall	Miller	Eric	MAT221	Calculus with Analytic Geometry I	4
Red Mountain	MA50	AP Calculus AB	Fall	Ritter	Erica	MAT221	Calculus with Analytic Geometry I	4
Westwood	MA85	IB Math Analysis SL II	Fall	Wilson	Paul	MAT221	Calculus with Analytic Geometry I	4
Dobson	MA51	AP Calculus BC	Fall	Berg	Kelly	MAT231	Calculus with Analytic Geometry II	4
Red Mountain	MA51	AP Calculus BC	Fall	O'Neil	Patrick	MAT231	Calculus with Analytic Geometry II	4

55.6%

Intersections of Maricopa Pathways and Local Education Agencies

- ✓ High school graduation requirements
- ✓ High school academic curriculum
- ✓ ADE-CTE standards
- ✓ Industry credentials
- ✓ MCCC CD accreditation
 - Qualified instructors
 - Course equivalency
 - [Contact hours](#) and modality
 - Assessment of student learning
 - Student support services





Dual Enrollment



Concurrent Enrollment



Prior Learning Assessment

Onramps Project

WHAT ARE WE DOING?

- Creating clear, coherent, and shared degree Pathways across our colleges.
- Coordinating high school district-specific early college communication.
- Mapping dual courses students need to take and when.
- Revisiting offerings with a DEI lens in mind.
- Addressing teacher pipeline.

**More than just
repackaging.
It's revisioning**

Goal #1

All students will have access to dual or concurrent enrollment courses that fulfill general education requirements for high school graduation and Maricopa certificates and degrees.



AZ High School Graduation	AGEC-A: Liberal Arts	AGEC-B: Business	AGEC-S: Math and Science
English or ESL (4)	First Year Composition (6) ENG101 (FYE) ENG102 (FYE)	First Year Composition (6) ENG101 (FYE) ENG102 (FYE)	First Year Composition (6) ENG101 (FYE) ENG102 (FYE)
Mathematics (4)	Mathematics (3) MAT142 or MAT152 or higher	Mathematics (3) MAT212	Mathematics (4-5) MAT221 or higher
Fine Arts OR Practical Arts (1) Social Studies (3)	Arts & Humanities (6)	Arts & Humanities (6)	Arts & Humanities (6)
Science (3)	Physical and Biological Science (8)	Physical and Biological Science (8)	Physical and Biological Science (8) and/or Subject Options (6) BIO181 (SQ) or CHM151 (SQ) CHM152 (SQ) or GLG101/103 (SQ) GLG102/104 (SQ)
Practical Arts OR Career and Technical OR Vocational (1)	Computer Information Systems (3) CIS105 (CS)	Computer Information Systems (3) CIS105 (CS)	
Options (7)	Literacy (3) L	Literacy (3) L	Literacy (0-3) L
	Awareness Areas (0-6) C, G/HU HIS103, HIS111	Awareness Areas (0-6) C, G/HU HIS103, HIS111	Awareness Areas (0-6) C, G/HU HIS103, HIS111
	Social and Behavioral Science (6) HIS103, HIS104, POS110, ECN211, ECN212, PSY101	Social and Behavioral Science (6) ECN111, ECN212	Social and Behavioral Science (6) HIS103, HIS104, POS110, ECN211, ECN212, PSY101
22 credits	35 credits	35 credits	35 credits





Non-STEM Non-Business Degrees

Use the [AGEC-A tool](#) to select high school classes and earn up to 50% of an associate's degree.



Business Degrees

Use the [AGEC-B tool](#) to select high school classes and earn up to 50% of an associate's degree.

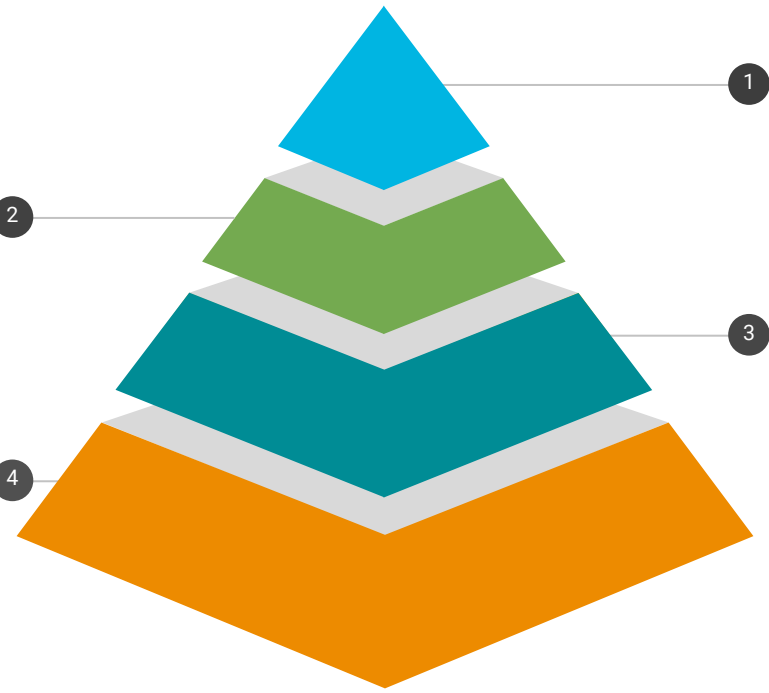


Math and Science Degrees

Use the [AGEC-S tool](#) to select high school classes and earn up to 50% of an associate's degree.

DLI High School World Languages Pathway

STEM Academy Early College Experience



Qualified Instructors

Generate a master list of qualified instructors to offer dual enrollment credit; communicate AZ Teacher Academic scholarship; hiring intention; extended contract

Master Schedule

Identify the key academic courses to consistently offer with attention to course sequence, college prerequisites, and maximum benefit to students (e.g. honors tag for weighted grade)

Concurrent Enrollment

Develop a master list of concurrent enrollment courses to apply to high school transcript; course modality options: hybrid and online during the high school day

Prior Learning Assessment

Examine [AP and IB](#) opportunities and analyze [student scores](#) to inform course offerings

High School Strategy

Goal #2

All students will have access to dual or concurrent enrollment courses that fulfill requirements for career and technical certificates of completion leading to an Associate of Arts in Science degree.



Colleges Offering Certs OR Degrees	CIP Code	ADE Program	MCCCD Program	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6
CG, EM, GC, GW, MC, PC, PV, RS, SC, SM	51.1502	Mental and Social Health Technician	Social Work	SWU295	SWU171	SWU183	SWU291	SWU130	PSY101
GC, MC, PC, PV, SC	10.02	Music and Audio Production	Music Industry Studies	MUC101	MUC109	MUC293			
CG, EM, GC, GW, MC, PC, PV, RS, SC, SM	11.09	Network Security	Networking and Security	CNT150AB	CNT150	CNT160AB	CNT200	CIS100	
EM, GC, GW, MC, PV	51.3902	Nursing Assistant	Nursing	HCC101	NUR150				
GW		Pharmacy Support Services	Pharmacy Technician						
MC, GW	8.0500.30	Precision Machining	Manufacturing Technology	MPT101	MPT110	MPT111	MPT150	MPT120	
MC, PC, RS, SC, SM	51.200.40	Software and Applications Development	Mobile, Web, and Software Development	CIS150AB	CIS165	CIS105	CIS133DA	CIS163AA	CIS120DF
CG, EM, GC, GW, MC, PC, PV, RS, SC, SM	51.0800	Sports Medicine and Rehabilitation	Exercise Science	EXS101	HES100	HES125			

Computer Maintenance

Learn more about the [Network and Systems Administration](#) program including certificates, degrees, and career opportunities.



Key Academic Courses

English

High School	MCC
EN64 English Composition 101	ENG101
EN72 English Composition 102	ENG102

Mathematics

High School	MCC
MA43 College Mathematics	MAT142

or higher math course

Science

Choose any high school science class offered for college credit

Elective Classes

Computer Maintenance

High School	MCC
CB50 Computer Maintenance and Repair	BPC170
CB51 Advanced Computer Maintenance and Repair	BPC270

Prior Learning Assessment

CompTIA A+ Industry Certification:

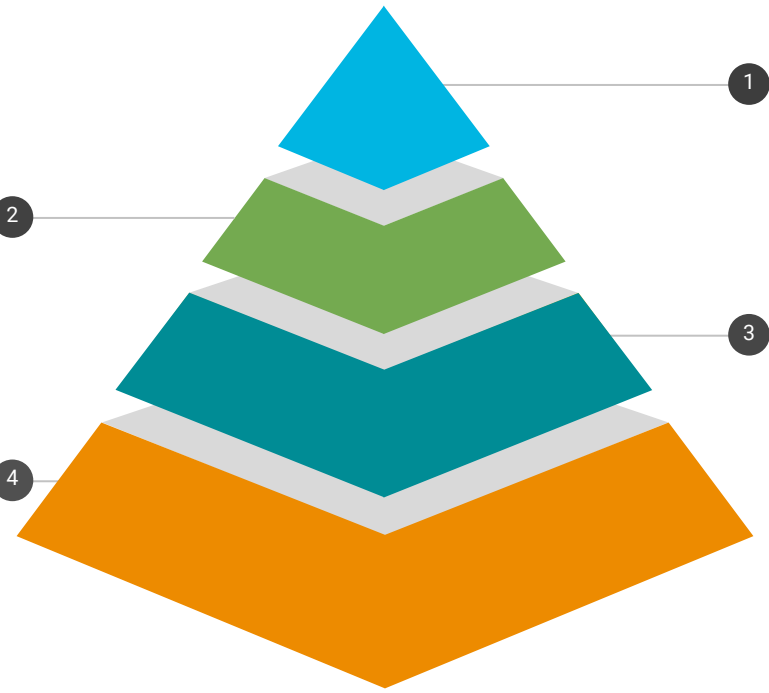
Students complete MCC admissions and submit certificate verification to automatically earn credit for MCC-BPC170 and BPC270. Visit the [PLA website](#) to learn more.

Social Studies

High School	MCC
SS32 Honors Am/Az History	HIS103 [HU, SB]
SS32 Honors Am/Az History	HIS104 [SB]
SS28 Honors World History	HIS111 [HU]
SS52 AP U.S. Government and Politics	POS110 [SB]
SS87 AP Macroeconomics	ECN211 [SB]
SS86 AP Microeconomics	ECN212 [SB]
SS79 AP Psychology	PSY101 [SB]

select any one [HU] and any one [SB] course





Qualified Instructors

Generate a master list of qualified instructors to offer dual enrollment credit; leverage industry partnerships for industry experience; hiring intention; extended contract

Master Schedule

Identify the key occupational courses to consistently offer with attention to course sequence, college prerequisites, and maximum benefit to students (e.g. honors tag for weighted grade)

Concurrent Enrollment

Develop a master list of concurrent enrollment courses to apply to high school transcript; course modality options: hybrid and online during the high school day

Prior Learning Assessment

Examine [industry credential](#) opportunities and analyze student scores to inform course offerings

High School Strategy

Resources

Increasing Early College Student Access to MCCC CD Pathways

- [MCC high school partners webpages](#)
- [AGEC tools](#)
- [TES *list of industry recognized credentials*](#)
- [MCCC CD National Standardized Exams](#)
- [EdReady](#) for student placement (if GPA is not available or applicable)
- Student tuition assistance: [AZ DETAP and Maricopa Grant](#)
- Admissions v Enrollment
- [AZ Teacher Academy](#)



Early College Services



Stage 1:
Exploration



Stage 2:
Installation



Stage 3:
Initial Implementation



Stage 4:
Full Implementation

<https://sites.google.com/view/levelupedupathways>

Thank you!

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