

Build Software Applications for Websites | Design and Develop Software
Write and Test Computer Code

Program Requirements*	Cost Requirements
<ul style="list-style-type: none"> ■ Current Sophomore, Junior** and Senior** students may apply ■ One credit of English with a C or better ■ One credit of Algebra I or higher with a C or better ■ Copy of unofficial transcript ■ Students may not be enrolled in two or more West-MEC Central Programs at the same time ■ Proof of residency in West-MEC district boundaries due at time of registration ■ Copy of birth certificate and immunizations due at time of registration ■ Program hours are not excused for participation in extra-curricular activities, athletics or employment. <p>*Program requirements are subject to change per industry age restrictions, certification requirements and administrative discretion.</p> <p>Meeting application criteria does not guarantee enrollment.</p> <p>** Additional program costs after graduation</p>	<p>Upon acceptance into the program:</p> <ul style="list-style-type: none"> ■ \$125.00 registration fee (includes enrollment processing, supplies & leadership development) ■ Optional dual enrollment may result in additional fees. Refer to Credits Issued section of information sheet. ■ It is recommended that students have access to a computer and reliable internet outside of class to occasionally complete assignments and projects. <p>Dress code is reviewed annually to meet professional industry standards. Dress code requirements will be addressed at registration and orientation.</p> <ul style="list-style-type: none"> ■ West-MEC provides two uniform shirts. (Other uniform/supply requirements are the responsibility of the student.)
Industry Certification	Career Pathways
<p>TESTS SCHEDULED & FEES PREPAID BY WEST-MEC</p> <p>1st Year - Microsoft Technology Associate (MTA) Certification, 2nd Year - Certified Internet Web (CIW) JavaScript Specialist</p> <p><i>(Refer to Certification Information page.)</i></p>	<p>Software developer, computer programmer, web developer, mobile application designer, product manager*, quality assurance engineer*, software development engineer*</p> <p>Entry level salary range: \$27.86 - \$47.00 per hour**</p> <p>* with additional education in this pathway **Bureau of Labor Statistics, Occupational Employment & Wages</p>
Location	Hours
<p>West-MEC Central Campus - Building B 6997 N. Glen Harbor Blvd. Glendale, AZ 85307 623.209.8045</p> <hr/> <p>West-MEC Northeast Campus 1617 W. Williams Drive Phoenix, AZ 85027 623.435.4920</p> <p>(Transportation provided by the student/parent)</p>	<p>Monday – Friday</p> <p>West-MEC Central Campus - Building B 1st Year Students Session 1: 1:00 PM – 3:30 PM Session 2: 4:00 PM – 6:30 PM 2nd Year Students Session 1: 1:00 PM – 3:30 PM Session 2: 4:00 PM – 6:30 PM</p> <p>Students remain in same session time for both years of program.</p> <hr/> <p>West-MEC Northeast Campus 1st Year: 4:00 PM – 6:30 PM 2nd Year: 1:00 PM – 3:30 PM</p> <p>Two years/900 hour program</p> <p>NOTE: West-MEC and high school calendars may not align.</p>

Program information may change as West-MEC strives to provide the best opportunities for students. Refer to www.west-mec.edu for most current information.



Program is taught by industry certified instructors. West-MEC does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations.

Enrollment Information		Student Success Indicators	
<ul style="list-style-type: none">■ West-MEC programs are competitive.■ The order for filling seats by grade level is as follows:<ul style="list-style-type: none">○ Current sophomores○ Current juniors*○ Current seniors*■ Applications are ranked, in part, by attendance, GPA, discipline and career choice (ECAP) - (see rubric with student application).■ West-MEC priority application submission date is in February. Contact school counselors for earlier deadlines for submitting applications to high school. <p>*Details regarding additional program costs are available at http://west-mec.edu</p>		<ul style="list-style-type: none">■ History of good attendance and discipline■ Strong interest in chosen career pathway■ Ability to get along with other students and cooperate with instructor■ Ability to work accurately/follow procedures to an industry standard■ Sequencing-ability to determine & follow a logical or defined series of steps in a sequential manner■ Positive attitude toward work including tasks of minimal interest■ Strong technical reading and study skills <p>The online text for this course is written at the college reading level.</p>	
Grading Scale		Credits Issued by West-MEC	
<u>Grade</u>	<u>Percent</u>	High School – 6 elective credits (3 elective credits per year)	
A	90% - 100%	High school credits are awarded each semester.	
B	80% - 89%	This program satisfies AZ university admissions requirement.	
C	70% - 79%	(AZ Board of Regents CTE/Fine Arts credit)	
D	60% - 69%	Optional Dual Enrollment Credits – See below	
F	59% and below		
Post-Secondary Opportunities (Optional)			
Glendale Community College (GCC) Dual Enrollment Credits			
Dual enrollment credits lead to an Associate in Applied Science (AAS) in Computer Information Systems. <i>(Refer to Post-Secondary Opportunities and Pathway pages.)</i>			
Dual Enrollment credits on each campus may vary based on West-MEC faculty qualifications.			

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Coding

Post-Secondary Opportunities Information

www.west-mec.edu

Glendale Community College (GCC) Dual Enrollment Credits

Dual enrollment credits lead to an Associate in Applied Science (AAS) in Computer Information Systems.

1st Semester (\$270.00)

- CIS133DA Internet/Web Development Level I (3 credits)

2nd Semester (\$270.00)

- CIS166AA Introduction to JavaScripting (3 credits)

3rd Semester (\$270.00)

- CIS166AE WebScripting with PHP (3 credits)

\$15 registration fee per semester

\$85 per credit hour due soon after the classes begin*

*Cost based upon meeting Maricopa residency and U.S. citizen/legal residency criteria

(Must complete "Maricopa Community Colleges Student Declaration of Citizenship or Status" form. Visit www.maricopa.edu/residency)

For dual enrollment grant availability, check with the Maricopa Community Colleges and West-MEC.

Courses taken under dual enrollment may impact federal financial aid eligibility. To obtain additional information, West-MEC encourages you to inquire with the college or university where you intend to enroll.

A student who withdraws from the West-MEC program may receive college credit based on the number of completed courses.

In a post-secondary setting, students are responsible to learn the policies of the institution to ensure that credits transfer to fulfill specific degree requirements. Refer to www.aztransfer.com for Arizona colleges and universities.

Dual Enrollment credits on each campus may vary based on West-MEC faculty qualifications.

University of Advancing Technology (UAT)

Any student who graduates from high school and completes all courses in the West-MEC Two-Year Coding Program with a B or higher can receive college credits (at no cost). College course credits include CIS100-Beginning Web Design, CIS240-Building Dynamic Websites, CSC102-Intro to Programming and CSC211-Intro to Databases.

Students must apply within 15 months of graduation and provide the following:

- Completed High School Student Request for Articulated Credit Form
- Official high school transcript

Credit will be awarded upon acceptance of admission to the University of Advancing Technology.

The award of credit is dependent upon UAT policies and degree requirements in place at the time of application. Contact college for more info.

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**Certificate in Coding - West-MEC to
Associate in Applied Science - Computer Information Systems – GCC to
Bachelor of Interdisciplinary Studies - Technology Management 90/30 - NAU
SAMPLE PLAN OF STUDY – 2019-20**

Computer Information Systems				
Course #	Course Title		Credits	Completed
Coding - West-MEC				
CIS 133DA	Internet/Web Development Level I		3	
CIS 166AA (Restricted Elective)	Introduction to JavaScripting		3	
CIS 166AE (Restricted Elective)	WebScripting with PHP		3	
Maricopa - AAS CIS Core Requirements (Major: 3152)				
ACC 111	Accounting Principles		3	
CIS 126 DA OR CIS 126 DL OR MST 150++	UNIX Operating System OR Linux Operating System OR Any Microsoft Windows course		3	
CIS 150 OR CIS 150AB	Programming Fundamentals OR Object-Oriented Programming Fundamentals		3	
CIS 159 OR CIS 162 OR CIS 163AA	Visual Basic Programming I OR Any C Programming Level I course OR Java Programming		3	
CIS 190 OR CNT 140AA OR MST 140	Introduction to Local Area Networks OR Introduction to Networks OR Microsoft Networking Essentials		3-4	
GBS 151	Introduction to Business		3	
GBS 233	Business Communications		3	
CIS Restricted Elective			6	
Electives	Additional IT certification recommended		15	
			TOTAL	36-51
AAS, AGECE & Interdisciplinary Courses				
Course #	Course Title	Liberal Studies Category	Credits	Completed
ENG 101	First Year Composition	English (FYC)	3	
ENG 102	First Year Composition	English (FYC)	3	
COM 225	Public Speaking	Literacy (L)	3	
MAT 14X or 15X or MAT 187 - Students should select the 4 credit math option to meet the 90/30 requirements.	College Mathematics	Math (MA) - MAT 14x, 15x, 187 OR any other mathematics course with the MA general education value and for which college algebra is a prerequisite.	4	
CIS 105	Survey of Computer Info System	Computer/Statistics (CS)	3	
		Humanities/Cultural (HU/C)	3	
		Humanities/Global-Historical (HU/G or H)	3	
ECN 211 OR ECN 212 OR SBU 200 (SB/G)	Macroeconomics OR Microeconomics OR Society and Business	Social & Behavioral (SB)	3	
		Social & Behavioral (SB)	3	
		Science (SQ)	4	
		Science (SQ or SG)	4	
COM 110 or 230	Communication	90/30 Literacy Requirement	3	
Satisfied in AAS		90/30 Computer Requirement	X	
CRE 101 or test exempt	Critical Reading	Or test exempt	0-3	
			TOTAL	39-42

Transfer Credit Summary		
	Credits	Completed
West-MEC Program and Dual Enrollment Completed	9	
AAS Core Computer Information Systems	27	
AGEC Requirements	36	
90/30 Interdisciplinary Requirement	3	
Electives or Additional Cert to Reach 90	15	
Total transfer credits not to exceed 90	90	

BIS Technology Management 90/30 Required Core			
Course #	Course Title	Credits	Completed
Northern Arizona University - Online Courses			
BBA 303	Business Management Fundamentals	3	
BBA 305W	Effective Business Communications	3	
BBA 340	Management Information Systems	3	
BBA 350	Professional Practices and Ethics in Information Technology	3	
BBA 355	Management of Information Technology Function	3	
BBA 360	Teams and Project Management	3	
BBA 370	Administration of Information Technology Security and Assurance	3	
BBA 460	Current Topics in Information Technology	3	
BBA 465C	Technology Management Project	3	
BBA Elective	Advisor Approved Elective	3	
Total Credits: 120	Total:	30	

Why participate in this pathway?

- Earn college credit that applies to a career field and bachelor's degree.
- Streamline your education and training to prepare for a career in a field of your choice. Many organizations require a bachelor's degree to move into leadership positions. By completing this pathway, your technical skills and education will prepare you for the opportunity to promote.
- Save money through this affordable pathway coordinated through West-MEC, Glendale Community College and Northern Arizona University.
- Stay in your local community to earn your dual enrollment credits, associate's and bachelor's degree.
- Receive guidance and support from local staff at West-MEC, Glendale CC and Northern Arizona University.

What are the financial resources to help with this pathway?

- West-MEC provides needs based grants and scholarship opportunities for students that qualify <https://west-mec.edu/parent-resources/>. Glendale CC offers tuition assistance for the dual enrollment credits for students that qualify <https://www.gccaz.edu/dual-enrollment>.

West-MEC Tuition for CCL	\$810
GCC Tuition for AAS	\$6,885
NAU Tuition for BIS	\$14,070
Estimated Total Tuition for cert, AAS, and bachelor's degree	\$21,765

Tuition rates are based resident tuition on the 2019-2020 academic year and are subject to change.

- Both Glendale Community College and Northern Arizona University offer scholarship opportunities.
 - <https://www.gccaz.edu/scholarships/gcc-scholarships>
 - <https://nau.edu/office-of-scholarships-and-financial-aid/transfer-tuition-scholarships/>

NAU offers up to \$6,000 in transfer scholarship money, further reducing the cost to earn your bachelor's degree.

Are there services to help me succeed in college?

- All three schools have local staff to guide you through each step of the way. When enrolled at Glendale Community College, you will have access to their advising, counseling, tutoring and student clubs and organizations. NAU also has a Student Service Coordinator assigned to assist GCC students with the enrollment process.

Contacts

<u>West-MEC</u> Speranta Klees 623-738-0018 speranta.klees@west-mec.edu	<u>Glendale Community College</u> Name Phone Email	<u>NAU – Glendale</u> Mike Werner 602 776-4629 mike.werner@nau.edu
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Details regarding Industry Credential Scheduling and Cost:

This program prepares students to seek certification or licensure for multiple industry credentials. Payment and scheduling responsibility is noted per industry credential as follows:

- ¹ West-MEC schedules and pre-pays testing fees for the industry credential which is offered in class to eligible students
- ² West-MEC will reimburse exam/license fee to eligible students, student is responsible for applying, scheduling, testing, and submitting for reimbursement
- ³ Student is responsible for applying, scheduling, testing, and paying for the industry credential, should the student seek it

**For further details regarding Industry Credential scheduling and cost please contact:
Katie Mehin, West-MEC Director of Career Services | Email: Katie.Mehin@west-mec.edu | Office: 623-738-0057**

Relevant for Industry Employment

The industry credential is acknowledged by employers, candidates with this industry credential will signal to employers knowledge in the area but may not get priority in hiring over someone with industry experience

¹ Pathway to Microsoft Technology Associate (MTA):

- Testing Agency: Certiport, <http://www.testout.com/Certification/Pro-Exams/IT-Skills>
 - “Microsoft Technology Associate is a certification intended for aspiring technologists, and people seeking knowledge of fundamental technology concepts. MTA certification addresses a wide spectrum of fundamental technical concepts, assesses and validates your core technical knowledge, and enhances your technical credibility.” Microsoft
- Testing Cost: \$69

¹ Pathway to CIW JavaScript Specialist:

- Testing Agency: CIW, <https://www.ciwcertified.com/ciw-certifications/web-development-series/javascript-specialist>
 - The CIW JavaScript Specialist teaches developers how to use the features of the JavaScript language to design client-side, platform-independent solutions. Students will also understand and use the most popular applications of JavaScript. These specialized Web language skills can help you begin or grow a career in advanced Web development and technologies.” – CIW
- Testing Cost: \$150