STEM PATHWAYS MODEL Science Foundation Arizona - The Arizona STEM Network			
PATHWAY COMPONENTS	**A. STEM EDUCATION OUTREACH AND CAREER EXPLORATION (Recruitment) - *Community college-led activities and events that generate enthusiasm and engage student interest in STEM career fields.***	**B. FOUNDATIONAL KNOWLEDGE AND SKILLS (Retention) - *Education programs and strategies that improve college students' foundational STEM knowledge and skills.***	**C. TRANSFERABLE CERTIFICATIONS AND DEGREES (Workforce) - *Job and research experiences and competency-based programs with industry that align to industry-recognized credentials.***
1. STUDENT SUPPORT STRATEGIES-*Resources, processes and strategies that encourage student success.*	*A1. Student-success strategies are incorporated in outreach activities and events that promote STEM career exploration.*	*B1. Student-support strategies lead students to achieving foundational STEM knowledge and skills.*	*C1. Student-support strategies help students optimize course selection and credits earned toward a stackable credential or degree.*
2. INDUSTRY ENGAGEMENT-*Vital to keeping schools current, providing teachers with resources, and capturing student interest in STEM careers.*	*A2. Industry plays a supporting role in outreach activities, tours and events, capturing student interest in real-world STEM opportunities.*	*B2. Industry contributes to program development and mentors students in real-world experiences.*	*C2. Industry offers internships, apprenticeships, and job-shadowing experiences that guide students to earning industry-recognized certifications and degrees.*
3. TECHNOLOGY-*Integrated across the Pathway to provide better access to education resources, virtual tours, internships and mentorship.*	*A3. College outreach activities have access to technology labs and technical equipment that generate student interest and awareness of STEM careers.*	*B3. Technology programs offer students hands-on learning experiences; technology is utilized to access instruction and student learning opportunities between institutions.*	*C3. Technical equipment is available at industry for students to gain the appropriate experience and prepare for competency-based testing and certifications.*
4. CURRICULAR ALIGNMENT-*Ensures all course credits count toward a credential.*	*A4. College Outreach activities and events inform parents and students about curricular alignment to STEM career programs.*	*B4. Dual enrollment or early college STEM academies, including intrusive advisement that lead to student success.*	*C4. Colleges and industry align curriculum with industry-recognized certifications and include credits that transfer toward stackable degree programs.*