

## Pathway Summary Descriptions & Details for SAE Journals

*Pathway in: Comprehensive Systems*



Code	Summary Activity Description	AFNR Description	Additional AFNR Details
CS.01	Practicing personal or group leadership	Premier Leadership: Acquire the skills necessary to positively influence others.	Action: Exhibit the skills and competencies needed to achieve a desired result.
			Relationships: Build a constituency through listening, coaching, understanding and appreciating others.
			Vision: Establish a clear image of what the future should look like.
			Character: Conduct professional and personal activities based on virtues.
			Awareness: Desire purposeful understanding related to professional and personal activities.
			Continuous Improvement: Pursue learning and growth opportunities related to professional and personal aspirations.
CS.02	Managing personal growth	Personal Growth: Develop a skill set to enhance the positive evolution of the whole person.	Physical Growth: Address personal health by understanding, respecting and managing your body's needs.
			Social Growth: Interact with others in a manner that respects the differences of a diverse and changing society.
			Professional Growth: Develop awareness and apply skills necessary for achieving career success.
			Mental Growth: Demonstrate the effective application of reasoning, thinking, and coping skills.
			Emotional Growth: Demonstrate healthy responses to one's feelings.
			Spiritual Growth: Reflect inner strength to allow one to define personal beliefs, values, principles and sense of balance.
CS.03	Practicing effective communications	Career Success: Demonstrate those qualities, attributes and skills necessary to succeed in, or further prepare for, a chosen career while effectively contributing to society.	Communication: Demonstrate oral, written and verbal skills.
			Decision Making - Analyze situations and execute an appropriate course of action.
			Flexibility - Adaptability: Describe traits that enable one to be capable and willing to accept change.
CS.04	Working within teams or organizations	Systems: Examine roles within teams, work units, departments, organizations, inter-organizational systems, and the larger environment.	Examine performance and goals to appreciate organizations and industries within AFNR.
CS.05	Managing organizational structure to make improvements	Systems: Identify how key organizational structures and processes affect organizational performance and the quality of products and services.	Manage organizational structures and processes to better serve customers.
			Examine the components of the AFNR systems and address their maintenance requirements.

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			Research geographical data related to AFNR systems.
CS.06	Dealing with health, safety, and environment	Examine the importance of health, safety, and environmental management systems in organizations and their importance to performance and regulatory compliance.	Observe required regulations to maintain-improve safety, health and environmental management systems.
			Develop a plan to maintain and improve health, safety and environmental compliance and performance.
			Provide health, safety, and environmental operating guidelines.
			Examine health risks associated with a particular skill to better develop personnel safety guidelines.
CS.07	Performing first aid and emergency plans	Safety, Health, and Environmental: Demonstrate appropriate health and safety procedures for AFNR occupations.	Apply safety-health practices to AFNR worksites.
			Demonstrate recognized first aid knowledge and procedures to show how they are used by AFNR industries.
			Follow appropriate procedures in case of an emergency.
			Assess workplace safety.
CS.08	Using tools, equipment, machinery and technology	Technical Skills: Use tools, equipment, machinery and technology appropriate to work within areas related to AFNR.	Evaluate and select the appropriate tool to perform a given task.
			Use appropriate protective equipment and handle AFNR tools and equipment to demonstrate safe and proper use of the tools and equipment.
			Maintain tools for efficient use.
CS.09	Comparing and contrasting issues	Technical Skills: Compare and contrast issues affecting the AFNR industry.	Apply economic principles to AFNR systems (e.g., supply, demand and profit).
			Apply skills with computer software to accomplish a variety of business activities.
			Use technology to demonstrate the ability to network and interface with technology.
CS.10	Planning for emerging technologies	Technical Skills: Envision emerging technology and globalization to project its influence on widespread markets.	Examine new technologies to project their impact in the global market of AFNR.
			Relate technology advancements to the need for Continuing Education-Career Development.
CS.11	Using scientific inquiry, conducting an investigation.	Scientific Inquiry: Utilize scientific inquiry as an investigative method.	Recognize the questions and theory needed to guide scientific investigations.
			Design and conduct a scientific investigation.