

Academic Program Goals (APGs)

What Graduates Can Do Statements (WGCDs)

The Overarching Academic Goal: Graduates integrate knowledge and skills from a variety of disciplines to anticipate and respond appropriately to opportunities and challenges in a changing world.

APG 1. Communication: Graduates communicate effectively with all audiences.

WGCD 1.1: Listen actively, read critically, and develop an informed understanding of the communications of others.

WGCD 1.2: Speak and write using Standard American English.

WGCD 1.3: Effectively convey meaningful information to diverse audiences using appropriate forms and media.

WGCD 1.4: Communicate in a foreign language.

WGCD 1.5: Use sound logic and relevant evidence to make convincing arguments.

APG 2. Critical Thinking and Creativity: Graduates think critically and creatively.

WGCD 2.1: Identify the essential aspects of a situation and ask relevant questions.

WGCD 2.2: Integrate knowledge and skills from a variety of disciplines.

WGCD 2.3: Make meaningful connections and distinctions among diverse experiences and concepts.

WGCD 2.4: Reason both quantitatively and qualitatively.

WGCD 2.5: Think innovatively and accept risk to pursue solutions in the face of ambiguity.

WGCD 2.6: Value reflection and creativity; envision possibilities.

APG 3. Lifelong Learning: Graduates demonstrate the capability and desire to pursue progressive and continued intellectual development.

WGCD 3.1: Demonstrate the willingness and ability to learn independently.

WGCD 3.2: Engage successfully in deliberate self-directed and collaborative learning experiences.

WGCD 3.3: Pursue self-awareness and embrace the responsibility for personal intellectual development.

WGCD 3.4: Pursue knowledge in areas of personal or professional interest.

APG 4. Ethical Reasoning: Graduates recognize ethical issues and apply ethical perspectives and concepts in decision making.

WGCD 4.1: Understand the intellectual foundations of ethical principles.

WGCD 4.2: Recognize ethical components of problems and situations.

WGCD 4.3: Examine and evaluate different ethical perspectives, principles, and concepts in context.

WGCD 4.4: Apply ethical perspectives and concepts in solving complex problems, including those found in military settings.

APG 5. Science, Technology, Engineering, and Mathematics: Graduates apply science, technology, engineering, and mathematics concepts and processes to solve complex problems.

WGCD 5.1: Apply mathematics, science, and computing to model devices, systems, processes, or behaviors.

WGCD 5.2: Apply the scientific method.

WGCD 5.3: Collect and analyze data in support of decision making.

WGCD 5.4: Apply an engineering design process to create effective and adaptable solutions.

WGCD 5.5: Explain and apply Computing and Information Technology concepts and practices in the context of the Cyber Domain

APG 6. Humanities and Social Sciences: Graduates apply concepts from the humanities and social sciences to understand and analyze the human condition.

WGCD 6.1: Understand, analyze, and know how to influence human behavior.

WGCD 6.2: Analyze the history, diversity, complexity, and interaction of cultures.

WGCD 6.3: Analyze political, legal, military, and economic influences on social systems.

WGCD 6.4: Engage in and reflect on cross cultural experiences.

WGCD 6.5: Integrate the methodologies of the humanities and social sciences in decision-making.

APG 7. Disciplinary Depth: Graduates integrate and apply knowledge and methodological approaches gained through in-depth study of an academic discipline.

WGCD 7.1: Apply disciplinary tools, methods of inquiry, and theoretical approaches.

WGCD 7.2: Identify and explain representative questions and arguments of their chosen disciplines.

WGCD 7.3: Recognize limits of a discipline as well as areas in which it contributes to intellectual inquiry and problem solving.

WGCD 7.4: Synthesize knowledge and concepts from across their chosen disciplines.

WGCD 7.5: Contribute disciplinary knowledge and skills as a part of a collaborative effort engaging challenges that span multiple disciplines.