

BVCTC General Education Student Learning Outcomes with Performance Indicators

1. Communicate effectively by listening, speaking, and writing using appropriate technology.
 - a. Reads, comprehends, analyzes, evaluates various writing.
 - b. Logically organizes, develops and communicates an idea or position.
 - c. Adapts communications to audience, situation and purpose.
 - d. Uses prewriting, drafting, revising and editing techniques using appropriate vocabulary, grammar, punctuation, spelling and syntax.
 - e. Writes effective business/technical communications (memos, letters, reports, etc.) and formats them appropriately.
 - f. Demonstrates public speaking skills and effective listening techniques.
 - g. Uses library print and electronic resources for literature research.
 - h. Uses computer technology to organize, access, and communicate information.

2. Use quantitative and scientific knowledge effectively to solve problems, manipulate and interpret data, and communicate findings.
 - a. Demonstrates knowledge of basic mathematical or scientific concepts.
 - b. Applies basic mathematical or scientific principles and/or formulas.
 - c. Estimates answers to mathematical or scientific problems before solving.
 - d. Solves basic analytical problems.
 - e. Interprets and constructs graphs, charts, or tables.
 - f. Demonstrates an ability to apply mathematical thinking or the process of scientific inquiry to address real-world situations or problems.
 - g. Uses appropriate scientific reasoning skills to interpret and analyze content in the natural sciences
 - h. Communicates scientific or mathematical knowledge in oral or written forms.
 - i. Demonstrates an understanding of proper laboratory techniques and practices.

3. Demonstrate interpersonal skills and ethical behavior appropriate for living and working in a diverse society.
 - a. Understands and demonstrates ethical behavior.
 - b. Exhibits confidence in self and others.
 - c. Empathizes with others.
 - d. Engages in on-going self-assessment.
 - e. Demonstrates awareness of regional, cultural, ethnic, and racial differences and respects rights and dignity of diverse groups.
 - f. Works effectively within groups.
 - g. Seeks out and considers varied perspectives.
 - h. Resolves conflicts constructively.

4. Apply critical thinking skills to analyze problems and make informed decisions.
 - a. Asks pertinent questions and applies effective observation techniques.

- b. Synthesizes necessary information using a variety of primary and secondary sources and techniques.**
- c. Analyzes and evaluates information for factual accuracy, bias, assumptions, and relevance.**
- d. Recognizes and summarizes relevant points.**
- e. Extrapolates, applies, synthesizes, and integrates knowledge gained from project-based research.**
- f. Constructs and analyzes a position in relation to alternative or conflicting viewpoints.**
- g. Applies a systematic approach to solve problems or make decisions.**
- h. Explains and analyzes why one or more approaches for solving a problem or making a decision will be effective.**