

## **Institutional Student Learning Outcomes**

### **Bowie State University**

#### **1. Written and oral communication:**

Competency in written and oral communication includes the ability to communicate effectively in verbal and written language, the ability to use a variety of modern information resources and supporting technologies, the ability to differentiate content from style of presentation, and the ability to suit content and style to the purpose of communication.

- A. Analyze and discuss critical issues and recurring themes in the discipline.
- B. Make personal judgments and respond to literature by drawing conclusions and stating opinions.
- C. Make interpretations and present those ideas in writing.
- D. Employ appropriate word choices and diction in oral and written communication.
- E. Use suitable current technologies to demonstrate knowledge of concepts.
- F. Conduct research and evaluate information using the appropriate methods of the discipline.
- G. Critically evaluate his or her own work and conduct peer reviews of other classmate's written work.

#### **2. Scientific and quantitative reasoning:**

Competency in scientific and quantitative reasoning includes the ability to locate, identify, collect, organize, analyze and interpret data, and the ability to use mathematics and the scientific method of inquiry to make decisions, where appropriate.

- A. Analyze and understand the physical and biological world.
- B. Solve scientific problems and synthesize scientific information.
- C. Apply scientific methods of inquiry during investigations.

#### **3. Critical analysis and reasoning:**

Competency in critical analysis and reasoning includes the ability to arrive at reasoned and supportable conclusions using sound research techniques, including inference, analysis and interpretation.

- A. Systematically evaluate facts, opinions, assumptions and theories from the discipline.
- B. Apply skills in analysis, synthesis and problem solving.
- C. Apply logical reasoning in the examination and resolution of tasks.

#### **4. Technological competency:**

Technological competency includes the ability to use computer technology and appropriate software applications to produce documentation, quantitative data presentations, and functional graphical presentations appropriate to various academic and professional settings.

- A. Create a document using word processing software.
- B. Produce a quantitative visual representation of data using mathematical computation software.
- C. Construct a presentation using presentation software
- D. Manipulate large amounts of data using a database management system

#### **5. Information literacy:**

Information literacy includes the ability to identify, locate and effectively use information from various print and electronic sources.

- A. Identification of key concepts and terms that describe the information needed.
- B. Selection of the most appropriate investigative methods for accessing needed information.
- C. Recognition of the cultural, physical, or other context within which the information was created and understanding the impact of context on interpreting the information.
- D. Understanding of the ethical, legal and socio-economic issues surrounding information and information technology.