

## **APPENDIX C**

### **General Education Standards**

The following academic standards for critical thinking, information retrieval and technology, oral communication, quantitative reasoning, and written communication represent the minimum outcomes expected of students who have completed their general education experiences. Each course included in the general education curriculum should address at least one of these academic standards.

#### Critical Thinking

Critical thinking, an analytical and creative process, is essential to every content area and discipline. It is an integral part of information retrieval and technology, oral communication, quantitative reasoning, and written communication. Students should be able to:

- Identify and state problems, issues, arguments, and questions contained in a body of information.
- Identify and analyze assumptions and underlying points of view relating to an issue or problem.
- Formulate research questions that require descriptive and explanatory analyses.
- Recognize and understand multiple modes of inquiry, including investigative methods based on observation and analysis.
- Evaluate a problem, distinguishing between relevant and irrelevant facts, opinions, assumptions, issues, values, and biases through the use of appropriate evidence.
- Apply problem-solving techniques and skills, including the rules of logic and logical sequence.
- Synthesize information from various sources, drawing appropriate conclusions.
- Communicate clearly and concisely the methods and results of logical reasoning.
- Reflect upon and evaluate their thought processes, value systems, and world views in comparison to those of others.

#### Information Retrieval and Technology

Information retrieval and technology are integral parts of every content area and discipline. Students should be able to:

- Use print and electronic information technology ethically and responsibly.
- Demonstrate knowledge of basic vocabulary, concepts, and operations of information retrieval and technology.
- Recognize, identify, and define an information need.

- Access and retrieve information through print and electronic media, evaluating the accuracy and authenticity of that information.
- Create, manage, organize, and communicate information through electronic media.
- Recognize changing technologies and make informed choices about their appropriateness and use.

### Oral Communication

Oral communication is an integral part of every content area and discipline. Students should be able to:

- Identify and analyze the audience and purpose of any intended communication.
- Gather, evaluate, select, and organize information for the communication.
- Use language, techniques, and strategies appropriate to the audience and occasion.
- Speak clearly and confidently, using the voice, volume, tone, and articulation appropriate to the audience and occasion.
- Summarize, analyze, and evaluate oral communications and ask coherent questions as needed.
- Use competent oral expression to initiate and sustain discussions.

### Quantitative Reasoning

Quantitative reasoning can have applications in all content areas and disciplines. Students should be able to:

- Apply numeric, graphic, and symbolic skills and other forms of quantitative reasoning accurately and appropriately.
- Demonstrate mastery of mathematical concepts, skills, and applications, using technology when appropriate.
- Communicate clearly and concisely the methods and results of quantitative problem solving.
- Formulate and test hypotheses using numerical experimentation.
- Define quantitative issues and problems, gather relevant information, analyze that information, and present results.
- Assess the validity of statistical conclusions.

### Written Communication

Written communication is an integral part of every content area and discipline. Students should be able to:

- Use writing to discover and articulate ideas.
- Identify and analyze the audience and purpose for any intended communication.
- Choose language, style, and organization appropriate to particular purposes and audiences.

- Gather information and document sources appropriately.
- Express a main idea as a thesis, hypothesis, or other appropriate statement.
- Develop a main idea clearly and concisely with appropriate content.
- Demonstrate mastery of the conventions of writing, including grammar, spelling, and mechanics.
- Demonstrate proficiency in revision and editing.
- Develop a personal voice in written communication.