

## DMACC Essential Learning Outcomes

**Students should prepare for Twenty-first –century challenges:**

### **Integrate Knowledge of Human Cultures and the Physical and Natural World through**

- Study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts.
- Study in career and technical programs.

### **Evaluate Intellectual and Practical Skills through**

- Critical and creative thinking
- Written and oral communication
- Research skills
- Quantitative literacy and scientific reasoning
- Digital literacy
- Financial literacy
- Collaboration and problem solving

### **Demonstrate Personal and Social Responsibility through**

- Civic knowledge and engagement—local and global
- Global knowledge and awareness
- Ethical reasoning and action
- Foundations and skills for lifelong learning
- Celebration of diversity
- Personal wellness

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## **GLOSSARY: DMACC Essential Learning Outcomes**

**Critical thinking:** Objective analysis and evaluation that recognizes inherent complexities and seeks logical solutions.

**Creative thinking:** Seeking novel solutions by synthesizing and transforming existing ideas.

**Written communication:** The ability to write prose that embodies critical and creative thinking while demonstrating an understanding of purpose, context, and convention.

**Oral Communication:** The ability to design and deliver a compelling message in a clear, organized presentation that appeals to audience and adapts to purpose and context.

**Research Skills:** The ability to access, evaluate, and incorporate information in an ethical and legal manner from a range of credible sources.

**Quantitative literacy:** The ability to reason and solve numerical problems in a variety of contexts and to communicate measurable information clearly.

**Scientific reasoning:** The development, use, and evaluation of scientific research through observation, hypotheses, predictions, and data to support a logical conclusion.

**Digital literacy:** The application of critical thinking to information technology and its impact on our lives.

**Financial literacy:** The ability to use skills, resources, and knowledge to effectively manage financial resources and plan for the future in a disciplined and financially sound way.

**Collaboration:** The ability to work with others in a respectful and constructive environment.

**Problem-solving:** A process to define, identify, critically analyze, and correct unresolved issues using inventive solutions.

**Civic knowledge and engagement:** To promote the quality of life in communities and engage in civic action.

**Global knowledge and awareness:** The development of knowledge, empathy, communication, and openness to world cultures.

**Ethical reasoning and action:** Incorporating approaches to ethical behavior while considering the implications and ramifications of decisions.

**Foundations and skills for lifelong learning:** Purposeful learning fostered by the development of curiosity, initiative, independence, referential knowledge, and reflection.

**Celebration of diversity:** An awareness and appreciation of race, nationality, ethnicity, culture, identity, characteristics, and circumstance.

**Personal wellness:** An awareness of and attention to the emotional, intellectual, social, spiritual, and physical aspects of a healthy life.

**Sources:**

American Association of Colleges and Universities

Association of College & Research Libraries

Consumer Financial Protection Bureau

