Program:	Visualization
Degree:	BS
Department:	Visualization
Contact Name:	Barbara Klein
Contact Phone:	845-3465

Outcome	**Master the depth of knowledge required for a degree,** including the ability to: ● *Articulate disciplinary and interdisciplinary theories, concepts, principles, skills, and practices;* ● *Synthesize knowledge across courses and other experiences; and* ● *Apply knowledge from core curriculum courses, discipline-based courses, and other experiences in a range of contexts to solve problems and make decisions.*
Marketable Skills	● Design Thinking ● Creativity, including knowledge of the creative ideation process, workflows, prototype building, revision, etc. ● Technology Skills, including basic knowledge of programming languages, scripting, rendering three dimensional visualizations for real time graphic display in video games or animation ● Traditional and digital art skills, including color theory, spatial design, traditional drawing skills, graphic design, and two-and three-dimensional composition

Outcome	**Demonstrate critical thinking,** including the ability to: ● *Evaluate, analyze, and integrate information from a variety of sources;* ● *Use appropriate strategies and tools to represent, analyze, and integrate information; and* ● *Develop critical, reasoned positions.*
Marketable Skills	● Problem Solving, especially through the creative design process ● Problem assessment, including identifying strengths and weaknesses of design solutions ● Critical judgment, including a recognition of design principles, aesthetic value, and technical and conceptual clarity in the creation of visual solutions ● Big Picture understanding

Outcome	**Communicate effectively,** including the ability to: ● *Demonstrate effective oral communication skills (which could include the use of languages such as American Sign language for those who do not communicate orally);* ● *Demonstrate effective writing skills;*

	- *Demonstrate effective nonverbal communication skills (which could include appropriate use of performance, design, or representations such as maps, tables, and graphs);* - *Listen actively and critically;* - *Present work effectively to a range of audiences; and* - *Effectively communicate original and creative ideas.*
Marketable Skills	- Collaboration, including the ability to work with peers to complete group tasks - Communicate verbally and in-writing to in professional manner, using appropriate terminology and vocabulary - Articulate Critiques - High level visual and graphical communication skills, including traditional and digital media

Outcome	**Practice personal and social responsibility,** including the ability to: - *Practice ethical leadership;* - *Recognize an ethical dilemma and apply rational decision-making in order to address it;* - *Choose ethical courses of action in research and practice;* - *Acknowledge and address the consequences of one's own actions; and* - *Engage in local and global civic activities.*
Marketable Skills	- Personal Awareness - Ethical Practice, including knowledge of the ethical, moral, legal, and professional responsibilities in the creation and use of contributions made by others to their own work.

Outcome	**Demonstrate social, cultural, and global competence,** including the ability to: - *Live and work effectively in a diverse and global society;* - *Articulate the value of a diverse and global perspective; and* - *Recognize diverse economic, political, cultural, and religious opinions and practices.*
Marketable Skills	- self-management - integrity - teach others - Ability to draw upon historic, cultural, and technical influences from various disciplines in the creation of visual work

Outcome	**Prepare to engage in lifelong learning,** including the ability to: - *Exhibit the skills necessary to acquire, organize, reorganize, and interpret new knowledge;* - *Show proficiency in current technologies and the ability to adapt to emerging technologies;* - *Recognize and participate in activities that enhance wellness of body, mind, and spirit;*

	● *Formulate a plan of personal goals for continued professional growth; and* ● *Demonstrate intellectual curiosity.*
Marketable Skills	● Ability to identify personal strengths and weaknesses ● Proficiency with current digital media software and programming ● Knowledge of underlying principles and techniques in computer programming, allowing for flexibility as new technologies emerge ● patience ● responsibility ● flexibility

Outcome	**Work collaboratively,** including the ability to: ● *Participate effectively in teams;* ● *Consider different points of view; and* ● *Work with others to support a shared purpose or goal.*
Marketable Skills	● Participate effectively in teams both in leadership and participant roles ● Ability to prioritize tasks and use time effectively to meet project deadlines ● Leadership