

## B.S. Dual Major for Computer Science and Digital Art (287BS) For Students Entering in Fall 2008 or Spring 2009

Revision of June 25, 2008

*This degree program requires 137 SH*

The College of Computer and Information Science and the Visual Arts Department reserve the right to modify the curriculum described in this document or the individual courses as necessary in the future.

<b>Computer Science</b>
<b>(53 or 54 SH: 12 @ 4 SH, 5 or 6 @ 1 SH)</b>
<i>Required Computer Science Courses (36 or 37 SH)</i>
CS U200 Discrete Structures & CS U201 [0 SH]
CS U211 Fund of Computer Science 1 & CS U212 [1 SH]
CS U213 Fund of Computer Science 2 & CS U214 [1 SH]
CS U221 CS/IS Overview 1 [1 SH]
CS U222 CS/IS Overview 2 [1 SH]
or
CS U223 CS/IS Co-op Preparation [1 SH]
CS U290 Logic and Computation & CS U291 [1 SH]
CS U370 Object-Oriented Design
CS U390 Theory of Computation
CS U430 Database Design
CS U670 Software Development
CS U600 Senior Seminar [1 SH]
<i>Required Integrative Courses (8 SH)</i>
CS U540 Computer Graphics
IS U570 Human-Computer Interaction
<i>Additional Requirements (8 SH)</i>
CS Elective 1
CS Elective 2
<i>CS elective: CS U380 or higher or IS U535</i>
<b>Mathematics Requirements (4 SH: 1 @ 4 SH)</b>
MTH U371 Linear Algebra
<b>English Requirements (8 SH: 2 @ 4 SH)</b>
ENG U111 College Writing
ENG U302 Adv Writing in the Technical Professions
<i>With permission, may substitute ENG U301 for ENG U302</i>
<b>General Requirements (8 SH: 2 @ 4 SH)</b>
PSY U101 Foundations of Psychology
SOC U528 Computers and Society
<b>General Electives (16 SH: 4 @ 4 SH)</b>
Elective 1
Elective 2
Elective 3
Elective 4
<i>The general electives must be consistent with the policy on general electives articulated by the College of Computer and Information Science on the college web site.</i>
<i>The Comparative Cultures Requirement must be satisfied. If this is done by taking a course then this must also be one of the general electives.</i>

### Change Notes:

The plan to change ART course numbers to AD course numbers has been postponed until Fall 2009 when the university will make a more general change of its numbering system. Therefore this document has been revised to go back to the ART course numbers. Some courses are listed as TBA since they will not be created until the new numbering system goes into effect.

<b>Digital Art within the Visual Arts Department</b>
<b>(48 SH: 11 @ 4SH, 4 @ 1SH)</b>
<i>Required Digital Art Courses (24 SH)</i>
ART U130 Visual Studies Foundation 1 & ART U123 [1 SH]
ART U131 Visual Studies Foundation 2 & ART U125 [1 SH]
ART U132 4D Foundation & ART U133 [1 SH]
ART U134 Interactive Foundation & ART U135 [1 SH]
Digital Art Capstone Requirement.
TBA: Digital Art Degree Project
<i>Digital Art Electives (24 SH)</i>
<i>A total of 6 courses at 4 SH is required. Students may choose the courses from the 6 categories below. If a lab is specified, then that must be taken as well.</i>
<i>Normally, students must take all prerequisites for any course they wish to take. For exceptions based on some form of alternate experience, seek permission of the instructor.</i>
<i>Basics</i>
ART U160 Photography 1 & ART U161 [1 SH]
ART U175 Animation Basics & ART U176 [1 SH]
ART U180 Video Basics & ART U181 [1 SH]
<i>Photography</i>
ART U360 Photography 2
ART U385 Still Digital Imaging
ART U601 Alternative Analog and Digital Processes
ART U602 Fine Arts Digital Imaging
<i>Animation</i>
ART U275 Animation Studio 1
ART U375 Animation Studio 2
ART U475 Animation Studio 3
<i>Video</i>
ART U381 Video Project
TBA: Video 2
TBA: Video 3
<i>Digital Art History</i>
ART U212 Survey of the Still and Moving Image
<i>Contemporary Directions</i>
TBA: Contemporary Directions in Digital Art
Digital Art Elective 1
Digital Art Elective 2
Digital Art Elective 3
Digital Art Elective 4
Digital Art Elective 5
Digital Art Elective 6