

Computer Graphics and Imaging, B.S.

61 credit major (58 credit major prior to Fall 2023)

Foundation Art Courses (18 credits)

- *ART 100 Basic Drawing (3 credits)
- *ART 101 Introduction to Two-Dimensional Design (3 credits)
- *Choose ART 102 or ART 106:
 - ART 102 Introduction to Three-Dimensional Design (3 credits)
 - OR** ART 106 Introduction to Sculpture (3 credits)
- *ART 108 Introduction to Photography (3 credits)
- *ART 112 Introduction to Digital Imaging (3 credits)
- *Choose ARH 167 or ARH 141:
 - ARH 167 Tradition and Innovation in the Art of the West (3 credits)
 - OR** ARH 141 Introduction to the History of Modern Art of the 19th and 20th Centuries in Europe and the US (3 credits)

Computer Science Courses (14 credits)

- *CMP 167 Programming Methods I (4 credits, prereq: MAT 104 or dept. placement)
- *CMP 157 Lab (1 credit, coreq of CMP 167)
- *CMP 168 Programming Methods II (4 credits, prereq: CMP 167)
- *CMP 158 Lab (1 credit, coreq of CMP 168)
- *CMP 343 Full Stack Web Development (4 credits, prereqs: CMP 158, CMP 168)
 - Note:** when offered, CMP 342 Internet Programming can be substituted for CMP 343

Note: if a student has completed CMP 167 and/or CMP 168 before Fall 2023, then the related labs (CMP 157 and/or CMP 158) are not required.

Math Courses (5 credits)

- *MAT 155 Calculus I Laboratory (1 credit)
- *MAT 175 Calculus I (4 credits, prereq: MAT 172 or MAT 103 + MAT 171)

ART/CGI Courses (24 credits)

- *ART/CGI 221 Applied Imaging and Apps to the Web (3 credits, prereq: ART 112)
- *ART/CGI 222 Introduction to Animation (3 credits, pre/coreq: ART 112)
- *ART/CGI 321 Computer Modeling and Design I (3 credits, prereq: ART 112)
- *ART/CGI 322 Computer Modeling and Design II (3 credits, prereq: ART/CGI 321)
- *ART/CGI 325 Digital Multimedia (3 credits, prereq: ART 112)
- *ART/CGI 421 Computer Animation I (3 credits, prereq: ART/CGI 321)
- *ART/CGI 422 Computer Animation II (3 credits, prereq: ART/CGI 421)
- *Choose ART/CGI 441, 480 or 487:
 - ART/CGI 441 Broadcast Design (3 credits, prereq: ART/CGI 325)
 - OR** ART/CGI 480 Senior Project (faculty permission and project proposal required, 3 credits)
 - OR** ART/CGI 487 Professional Experience in the Fine Arts (permission and internship required, 3 credits)