SANTA ANA COLLEGE
3D Animation Certificate

This 2-year Program addresses the fundamental requirements that 3D artists are expected to know for entry level positions in video game companies, the film and television industry, and the architectural and industrial visualization fields.

3D Animation Certificate Curriculum

Required courses: with Art Emphasis

Courses	Units	length
Art 100 Introduction to Art Concepts	3	16
Art 110 Two Dimensional Design	3	16
Art 130 Introduction to Drawing	3	16
Art 162 Digital Design with Photoshop	3	16
Art 195 Introduction to Computer Graphics	3	16
Art 196A 3D Modeling Fundamentals	2.5	8
Art 196B 3D Advanced Modeling Techniques	2.5	8
Art 197A 3D Animation Fundamentals	2.5	8
Art 197B 3D Animation: Advanced Techniques	3	8
Art 166 3D Realism - Texturing and Lighting	3	16
Art 167 Commercial Applications of 3D	3	16
Electives from list below:	2	
Total	33.50	

Required courses: with Television/Video Communications Emphasis

Courses	Units	Length
TV/Video 100 Introduction to Electronic Media: Broadcasting, Cable		
Art 110 Two Dimensional Design	3	16
Art 130 Introduction to Drawing	3	16
Art 195 Introduction to Computer Graphics	3	16
Tele/Video 181 3D Modeling Fundamentals	1.5	8
Tele/Video 182 3D Advanced Modeling Techniques	2.5	8
Tele/Video 185 3D Animation Fundamentals	2.5	8
Tele/Video 186 3D Animation: Advanced Techniques	2.5	8
Art 166 3D Realism - Texturing and Lighting	3	16
Art 167 3D Commercial Applications	3	16
Electives from recommended list	5	
Total	34.50	

Electives List:
3D Character Animation (Art 165), Computer Graphics Production (Art 296), 3D/2D Compositing for Special Effects, Storyboarding & character Development (Art198), Video Production, Drawing, Painting, AutoCAD.

Other Recommended Electives:
Art 198 (storyboarding), 129 (graphic design concepts for the web), 192 (Illustrator), 194 (multimedia sound graphics, text, video), 229 (multimedia applications For the web), 290 (digital video), 293 (authoring software tools), 298 (directed work experience); **Photography** 190, 191, 194; **Engineering** 183, 184; **Television/Video Communications** 100 (survey of radio, TV, and video prod.), 110   (intro to the use of a TV studio), 112, 180 (methods and processes in TV graphics) **Business Applications** 164

For an overview on the 3D Animation Certificate Program, and a description of the courses, go to: http://ext.sac.edu/academic_progs/art/faculty/waterman/ or call Patricia Waterman, Professor of Art, Santa Ana College (714) 564-6741.