

DPA 6010	Technical Foundations of Digital Production II	The mathematical and algorithmic foundations of computer graphics. Covers spatial data structures, object oriented programming in C++, mathematics for graphics, and 3-D graphics API. Not open to Computer Science, Computer Engineering, or Computer Information Systems majors. Preq: DPA 6000 or consent of instructor.
DPA 6830	Special Studio Topics in Digital Production Arts	In-depth treatment of topics in digital production with a studio focus not fully covered in regular courses. Topics vary from semester to semester. May be repeated for a maximum of six credits, but only if different topics are covered.
DPA 8080	Artistic Character Animation	Foundation principles of the production of computer animation, from original concept development and character design, through rigging of articulated figures, character animation methods, and digital cinematography. Preq: DPA 8070.
DPA 8150	Special Effects Compositing	Video special effects, compositing problems, effects animation, matchmoving and 3-D geometry, color and texture reconstruction from 2-D images; extensive use of scripting languages and high-end software platforms. Preq: DPA 8070.
DPA 8600	Digital Production Studio	Students develop as accomplished visual problem solvers in a digital production team setting. As part of the studio experience, students take a production project from concept, through story development, character design, modeling and rigging, animation, lighting, and post production. May be repeated for a maximum of 12 credits. Preq: Enrollment in the Digital Production Arts program.
DPA 8800	Graduate Research Studio	Students complete a project or projects, under the direction of a faculty adviser, in an area supporting personal goals and vision. Work may be individually or team oriented, and may be of a technical or an artistic nature. May be repeated for a maximum of six credits. Preq: Enrollment in the Digital Production Arts program.
DPA 8910	Master of Fine Arts Thesis Research	Students complete a studio research project, under the guidance of the student's advisor and thesis committee. The thesis project is developed to a refined degree, articulated in the form of a written document, and presented orally in a thesis defense. May be repeated for a maximum of six credits.