Our Vision
In the 1980s and 1990s, it was said that computer literacy was the key to the economic future. This applied to individuals, companies, and to the country as a whole. But, we believe we have moved beyond that. Today, it is visual computer literacy that is the key to so much economic success. No matter where you turn, in fields as diverse as biology, chemistry, animation, art, mechanical design, natural resources, energy, and government, using computers as a way to construct and view visual representations is a crucial skill. As an institution whose goal is to create “work-ready” students, Oregon State University is making a major commitment to enhancing our students’ education in visual computer literacy by creating the Graphics Educational Lab. Our goal is to make courses in visual computing an integral part of all scientific and engineering majors.

Existing Courses To be Taught in the Lab:
CE 413/513 GIS in Water Resources
CS 450/550 Introduction to Computer Graphics
CS 551 Advanced Computer Graphics
CS 552 Computer Animation
CS 553 Scientific Visualization
CS 554 Geometric Modeling
CS 555 Signal and Image Processing
CS 556 Computer Vision
ME 453 CAD / Experimental Mechanics

New Courses Being Developed for the Lab:
RenderMan and OpenGL Shaders
Advanced Rendering
3D Computer Vision
Advanced Animation
Advanced Visualization
Computational Geometry
Curves and Surfaces
Global Illumination in Rendering
Math for Game Development
Real-time Graphics Programming
Special Effects

Hardware
• 24 Dual-core Pentium 4s
• 2 GB memory
• 500 GB local disk
• NVIDIA Quadro 4400 graphics
• 1400x1050 LCD Projector

Software
• RenderMan
• Maya
• Gelato
• Sketch-up
• OpenDX
• Vtk
• IronCAD

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