

*A Public  
Research University*

## **School of Architecture Computing Requirement Information**

NJIT is a computing intensive university. Computers are an integral part of campus life. Whether enrolled in freshman level classes in engineering or architecture design, working with faculty on cutting-edge research, collaborating with classmates on group projects, or simply registering for classes, students need access to computers for virtually every task performed on the NJIT campus.

**Since access to a personal computer is essential for successful completion of an NJIT degree program, the university requires all incoming undergraduates to have access to a computer in their places of residence. Freshmen and transfers entering the New Jersey School of Architecture have more specific requirements footnoted below.\*** Although NJIT provides a large number of public computing facilities on campus, students without access at their places of residence may not have sufficient time to complete class assignments or take advantage of the many technology resources available to members of the NJIT community.

The university annually establishes baseline specifications for each entering class and several recommended configurations of desktop and notebook computer models (All are currently Windows-Intel platforms). Transfer students are subject to the requirement in place for the class level into which they enter. Students are encouraged to purchase one of the recommended configurations through NJIT's program partner. Special academic and volume pricing makes these models available at significant discounts.

One of the advantages of universal computer requirement is that NJIT is able to negotiate very favorable software licensing for all NJIT students. Every NJIT student is provided a software bundle that includes the most frequently used Microsoft products, virus protection, programming, design, and other tools.

Complete information on the fall 2006 computer requirement will be mailed to all students who accept an offer of admission. Please note that since the cost of a computer is an educational expense, it can be included in your calculation for financial aid eligibility.

*\* Freshmen and transfer students entering the School of Architecture are required to purchase a specific desktop model and keep it in the Architecture studio (Students are assigned a personal desk with lockable storage space. Studio access is available 24 hours per day).*

To view periodically updated information about the Fall 2006 PC program requirement, [please go to http://csd.njit.edu/compreg](http://csd.njit.edu/compreg). Questions may be e-mailed to [arch-compreq@njit.edu](mailto:arch-compreq@njit.edu).

**Fall 2006 Architecture PC requirements will be posted on our website in the Spring of 2006**

**Baseline requirements for Fall 2005 incoming students**  
*(Reference Only)*

Architecture students are required to use specific software packages to complete their course work. Most of the necessary software is site licensed for use inside the studios. Architecture students wishing to take advantage of NJSOA/NJIT site licensed software opportunities are required to purchase a specific computer model from a specific vendor. The technical details of the required machine are developed jointly with vendors starting in January and published mid-spring. Those students who purchase the specified machine will be given access to a suite of software applications containing any of the industry standard design tools that we are licensed to deploy.

Currently, the vendor and model for the Fall 2005/Spring 2006 academic year is a Dell Precision 380. Details regarding the current specifications (which will change) can be found below. The software suite for the current academic year (which can change) includes various applications such as Adobe Creative Suite, AutoCAD, Revit, and 3D Studio MAX for a total package value of \$8,000 - \$10,000.



**Workstation 380 - Required Model for Arch Students**

Redefining customer productivity in the entry workstation space

**\$1,891.35**

<b>Dell Precision 380</b>	Intel® Pentium® 4 Processor 630, 3.00GHz, 2MB L2, 800MHz
<b>Operating System</b>	Genuine Windows® XP Professional, SP2 with Media
<b>Chassis Configuration</b>	Tower Optical drives mounted horizontally in Mini-Tower orientation
<b>Intel Hyper-Threading</b>	Hyper-Threading feature preset to ON Can be disabled/enabled in BIOS
<b>Memory</b>	2GB, 533MHz, DDR2 SDRAM Memory, NECC (4 DIMMS)
<b>Keyboard</b>	Entry Level, USB, No Hot Keys
<b>Mouse</b>	Dell USB 2-Button Optical Mouse with Scroll
<b>Monitors</b>	Dell 19 inch M993 (18 inch viewable) Flat CRT
<b>Graphics Card</b>	256MB PCIe x16 nVidia Quadro FX 3400, Dual DVI or Dual VGA or DVI + VGA
<b>Sound and 1394</b>	No 1394aCard or Sound BlasterAudigy™ 2(D) Card selected
<b>Hard Drive Configuration</b>	C1 All SATA drives, Non-RAID, 1 drive total configuration
<b>Boot Hard Drive</b>	80GB SATA, 7200 RPM Hard Drive with 8MB DataBurst Cache™ without RAID
<b>Floppy Drive and Media Card Reader</b>	3.5 inch 1.44MB Floppy Drive
<b>Options</b>	
<b>Speakers</b>	No Speaker option
<b>CD-ROM, DVD, and Read-Write Devices</b>	16XDVD+/-RW w/Sonic Digital Media™ and CyberLink PowerDVD™