

# HP in Higher Education



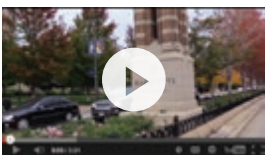
HP Z Workstations are built for professional applications, designed for easy setup and servicing, and sold at prices that make sense for educational budgets.



HP recommends Windows.

“Much of what engineering students do requires high-performance computing. HP Z Workstations deliver the speed and power they need in order to tackle complex applications, such as simulations and computer-aided design (CAD) applications, both for classes and in their research.”

— Dr. Robert H. Bishop, Dean, Marquette University College of Engineering



**Marquette University College of Engineering**

## Give your students a professional experience with HP Z Workstations

When it comes to higher-education labs, your institution needs workstations that are built for professional environments, easy to service, sold at prices that make sense for educational budgets, and available in a choice of form factors. You'll find all of this in the HP Z Workstations portfolio of desktop and mobile systems. While they are priced right and designed for easy setup and servicing, HP Z Workstations are built for the challenges of professional applications—from 3D mechanical design and engineering analysis to media and entertainment. Along with certifications for popular applications, HP Z Workstations ship with professional-class features, such as HP Performance Advisor<sup>1</sup> to help you identify correct BIOS setting, drivers, and application settings.

### When only the best will do

HP Z Workstations take innovation, performance, and reliability to a new level.

#### Innovation

Award-winning HP Z Workstations are rich with customer driven innovations. Servicing is easy with a tool-less access chassis and modular, direct-connect drives and power supplies on select models.

#### Performance

HP Z Workstations take performance to new levels with architectural advancements, new multi-core processor options, high-speed storage, engineering innovations, and our unique system optimization tools.

#### Reliability

To deliver rock-solid reliability, we design our systems based on workstation application demands and a full-time customer use model. This 24x7x365 design standard drives the types of components we use and the types of testing we employ.



**See what makes HP Z Workstations so special.**

“Our philosophy is that the faster and more reliable the workstation is, the easier it is for the students to forget the technology and concentrate on the art.”

– Tripp Vroman, Lab Manager, Digital Animation Center, University of Colorado Denver.



**Digital Animation Center,  
University of Colorado Denver**

## Why HP Z Workstations

When it comes to personal computing systems, workstations are in a class of their own. Despite entry price points that can rival those of desktop PCs, workstations provide features and benefits that go far beyond those of today's business and consumer systems. Learn more about [HP Z Workstation benefits](#).

A full-bodied workstation includes:

- Leading-edge multi-core processor options
- Professional 2D/3D graphics choices
- High-speed storage and fast I/O interfaces
- Certification for professional software applications
- Advanced reliability features, such as error-correcting code (ECC) memory
- Memory, I/O and storage expandability

## HP Z Workstations in Education

Department	Area of use	Solution partners
<b>Engineering, mechanical</b>	CAD, 3D rendering	Autodesk®, Dassault Systèmes, PTC, Siemens
<b>Natural sciences</b>	Medical illustration; technical calculations	Adobe®, ESRI
<b>Mathematics</b>	Technical calculations	PTC
<b>Performing arts</b>	Video editing, audio/music creation, photo and multi-media, computer animation	Adobe®, Avid®, Sony
<b>Visual/fine arts</b>	Photo and multimedia, desktop publishing, computer animation	Adobe®, Autodesk®, QuarkXPress
<b>Journalism, newspaper, yearbook</b>	Photo and multimedia, desktop publishing	Adobe®, QuarkXPress
<b>Campus planning, Facilities management</b>	Architecture, engineering	Autodesk®, PTC, Bentley
<b>Transportation office</b>	Bus routing	Edulog, Transfinder, Versatrans
<b>Print shop, public relations</b>	Photo and multimedia, desktop publishing, web authoring	Adobe®, QuarkXPress
<b>Business office, alumni relations and fundraising</b>	Large spreadsheets, budget reporting	Microsoft, SAS, SPSS

## Built to perform like no other.

The HP Z Workstation family meets the full range of your workstation needs—from performance-driven computing and design work in space-constrained environments to extreme visualization and analysis with complex datasets. There is an HP Z Workstation for every education requirement.

<b>HP Z1 and HP Z1 G2 Workstations</b>	<p><a href="#">Power without the tower. &gt;&gt;</a></p> <p>The all-in-one HP Z1 Workstation helps you simplify your lab or classroom, save space, and eliminate wires. It puts the performance and reliability of a complete HP Z Workstation expertly designed into the back of a 27-inch diagonal greater than HD display. Add a wireless keyboard and mouse, the only cord you need is for power. Better still, a tool-less chassis design makes it a snap to upgrade and maintain. The HP Z1 G2 is available with optional 10-point touch technology.<sup>2</sup></p>
<b>HP Z230 Tower and HP Z230 SFF Workstations</b>	<p><a href="#">Our most affordable workstations. &gt;&gt;</a></p> <p>Available in an expandable minitower or a compact small form factor, the HP Z230 Workstation delivers workstation performance and reliability at starting prices that rival desktop PCs.</p>
<b>HP Z420 Workstation</b>	<p><a href="#">Performance you want. Value you need. &gt;&gt;</a></p> <p>The HP Z420 Workstation provides high levels of performance and expandability in an accessible tool-free mini-tower form factor—all at a great price.</p>
<b>HP Z620 Workstation</b>	<p><a href="#">Our most versatile workstation ever. &gt;&gt;</a></p> <p>With up to 16 discrete processor cores, the HP Z620 Workstation packs tons of computing and visualization power into a quiet, compact footprint.</p>
<b>HP Z820 Workstation</b>	<p><a href="#">Our ultimate workstation. &gt;&gt;</a></p> <p>The dual-socket HP Z820 Workstation delivers exceptional performance, award-winning industrial design, and tool-free serviceability in the industry's most expandable chassis.</p>
<b>HP ZBook Mobile Workstations</b>	<p><a href="#">Mobility for education. &gt;&gt;</a></p> <p>Make no compromises on performance or durability with the HP ZBook Mobile Workstations. Offering high performance with exceptional battery life. Inspired by aerospace craftsmanship and materials, they feature a wear and smudge-resistant DuraFinish and an optional backlit keyboard for use in low-light environments. With HP rigorous design testing, 26 drops and still running smooth.</p>

## HP Z Workstation innovation highlights

HP award-winning Workstations are rich with customer-driven innovations. Servicing is easy with a tool-less access chassis and modular, direct-connect drives and power supplies on select models.

<b>HP Z Displays</b>	<p><a href="#">Stunning at every angle. &gt;&gt;</a></p> <p>HP Z Displays are engineered to outperform, so you can create with striking visual results. With stunning IPS panels, 178-degree viewing and up to 10x the contrast ratio of mainstream Twisted Nematic displays,<sup>3</sup> HP Z Displays are designed to deliver outstanding image performance and accuracy. Realize the advantages of ultra-fast response times and smooth color transitions – so the work you see can be as great as the work you do.</p>
<b>HP Performance Advisor</b>	<p><a href="#">The built-in workstation guru. &gt;&gt;</a></p> <p>HP Performance Advisor delivers a simple, effective way to keep your HP Z Workstation operating at its peak potential. Like having an IT pro always on hand, this helpful software wizard can take you from initial configuration and customization through the optimization of your system for each new application and driver you install.</p>
<b>Remote Graphics Software</b>	<p><a href="#">Remote access with a “just like local” feel. &gt;&gt;</a></p> <p>HP Remote Graphics Software gives you high performance remote desktop access to your 2D, 3D, video, and media-rich applications—when and where you need them, on-site or from a remote location through a standard Internet connection. This HP innovation allows you to collaborate with colleagues across geographies, in real-time, using content-rich interactive applications.</p>



“With the power and flexibility of HP Z Workstations at my fingertips, I’ve never had a more enjoyable and productive year of computing in my life.”

— Jeffrey Dunham, William R. Kenan Jr., Professors of Natural Sciences, Middlebury College, Middlebury, Vt.



[Middlebury College case study >>](#)

## A family of overachievers

### The next generation of HP Z Workstations

As industry veterans, HP developed and applied whole-system engineering to design a system in which the processor, memory, graphics, operating system, and applications work together seamlessly. HP Z Workstations undergo comprehensive testing to ensure that hardware and software are optimized for professional configurations and 24/7 use. HP Z Workstations are built to last.

### HP Stable and Consistent Offerings

Choosing hardware and software for a workstation is often a no-brainer—you know what you need before you even start looking at platforms. What if you could pick and choose your components based not only on your individual requirements, but also on the assurance that they would be available for the lifecycle of your HP Z Workstation? Now, with HP Stable and Consistent Offerings, you can.

### Rigorous ISV Certifications

HP invests in resources, equipment, relationships, testing and ISV (Independent Software Vendor) certification to ensure HP Z Workstations work as expected with your applications. This level of HP effort means your investment in software and HP hardware is protected, with a commitment to the quality and support of the full solution. [Learn more. >>](#)

### Complete peace of mind

All HP Z Workstations come with a limited 3-year parts, 3-year labor and 3-year onsite service (3/3/3) standard warranty that is extendable up to 5 years.<sup>4</sup>

### Learn more at

[hp.com/go/wseducation](http://hp.com/go/wseducation) and [hp.com/zworkstations](http://hp.com/zworkstations)

Screen images courtesy of Autodesk, Spracher Engineering, Local Motors, and the Neenan Company and Everitt MacMillan Development

1. Internet access required.
2. Sold separately or as an optional feature.
3. As compared to mainstream displays with TN (Twisted Nematic) panels when viewed at 60 degrees.
4. Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support, terms and conditions may vary standard on HP Z420, HP Z620 and HP Z820. Three year and one-year warranty options available in selected countries for the Z220. HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. For more details on HP Care Pack Services, visit [hp.com/go/cpc](http://hp.com/go/cpc). Service levels and response times for HP Care Packs may vary depending on your geographic location.

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