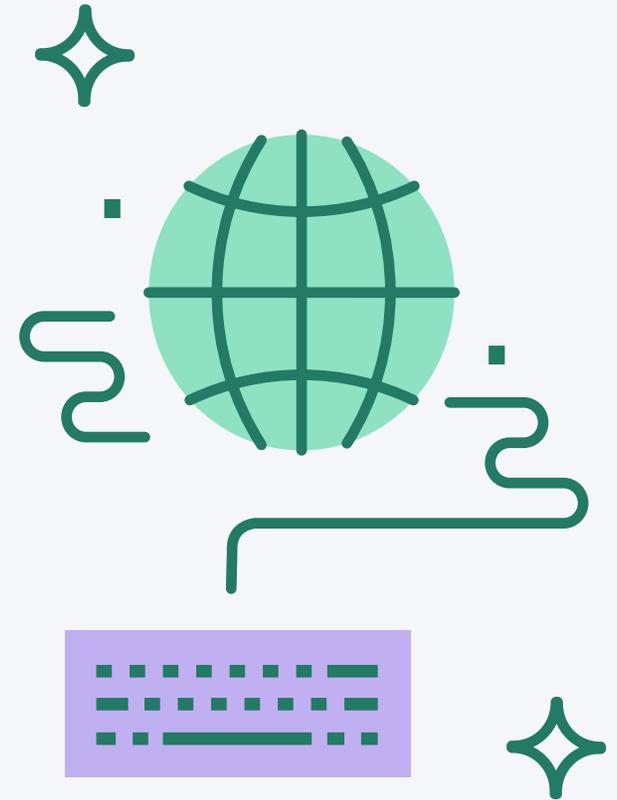# Apple Educational Technology Essentials for Higher Education

jamf

Higher education institutions are tasked with creating, nurturing and fostering an engaging, creative and exceptional learning environment and experience for each and every student.

That's a pretty tall order. Luckily, technology can help elevate and enrich these learning and teaching experiences, when used effectively. With the right technology, it's easier for institutions to accommodate enhanced programs like study abroad experiences and field research opportunities for students, more intuitive curriculum management for instructors and all while simplifying management and security workflows for IT.

As institutions are increasingly looking to be data-driven decision makers, we want to provide educational technology essentials your institution can leverage to create the best ecosystem for all of your users — from faculty and staff to students and IT administrators.

The cost of educational technology

Good or bad, the devices and other technology available at an institution have a direct impact on the overall learning experience, so how do you decide what's best?
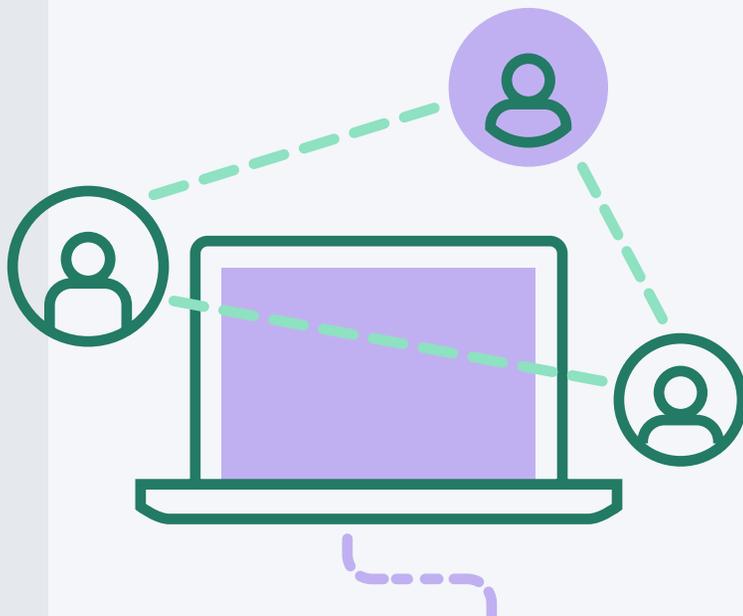
When it comes to spending money, no industry is wiser to the ways of scrupulous spending than education. Every dollar spent matters when it means fewer funds available for other areas that also may need attention. This means that any technology purchased needs to be an investment for now and the future.

So why is Apple the best choice for the long-term success of your educational technology programs?

Apple is top of the class

While upfront costs of Apple hardware can be more expensive than competitors, the pendulum quickly swings when looking beyond initial purchase price.

For example, Apple operating systems (OSs) are always free and are released on a reliable, consistent schedule, so IT and users can properly prepare to upgrade and take advantage of the latest productivity, collaboration and security resources at no cost.

Apple also offers device and app deployment services in the form of Apple School Manager and Apple Business Manager, free of charge. These services, among other things, allow universities and other institutions to enroll devices into management and provide a zero-touch deployment of hardware and apps.

This is not only essential for remote staff and students but creating efficiency and seamless workflows means cost savings for IT — both in time and budget.

Reach Apple's full potential

If Apple is the ideal choice for education, Jamf is the ideal choice for Apple. Why is this duo so powerful?

Here's how uniting Apple and Jamf can empower IT and end users to get the most from their Apple devices and elevate the entire educational ecosystem and experience.

Whether you're supporting a department, a college, a full university system, or even a 1-to-1 iPad program, you need the right ideas, people and technology in that order. With Jamf Pro or Jamf School as your higher education solution, you can efficiently and effectively address your endless inventory, security and varying department needs while empowering faculty and staff to focus on their mission of research and teaching.

Who relies on Jamf to power their education technology?

10 of the top 10

Best U.S. national universities as ranked by US News and World Report
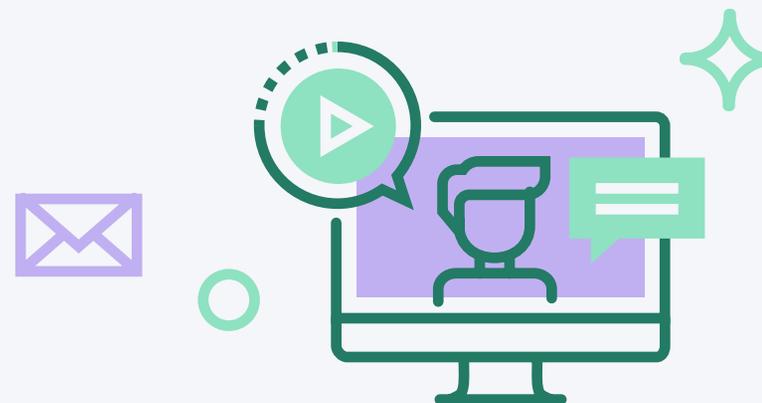
10 of the top 10

Best global universities as ranked by US News and World Report

As the number of universities, colleges and other educational institutions choosing Jamf continue to grow, let's take a closer look at how Jamf is helping IT admins create increased efficiency, visibility and security — all while reducing wasted time and frustration.

Exploring what's possible

Take, for example, faculty on sabbatical or abroad with a class of students.

With zero-touch deployment, there's no need to worry about access to devices or getting them set up. IT can simply order new devices and ship them directly to the end users. Jamf Pro will automatically enroll and configure the devices during setup — saving valuable time and resources. With a globally available, cloud-based infrastructure, Jamf also radically simplifies the most frequent and time-consuming device management tasks to easily manage devices on campus, off campus and around the world. And by always being connected to fellow students and instructors no matter where they are, their school-issued device acts as their passport to learning — all while removing roadblocks and reducing unnecessary tickets or help requests from IT.

To bring things closer to home, imagine a class of biology students conducting field research, taking notes on-the-go and collaborating with each other on their devices, but without the need for a lab. And hardware into hands is only half of the equation. With Jamf's Self Service app, connecting users securely to organizational tools, resources and apps — no matter where they are — means a seamless instruction, learning or working experience.

> **With Jamf, IT administrators can create extensible deployment workflows with configuration profiles, policies and custom scripts implementing them using smart targeting to manage personal devices, shared devices, computer labs or anything in between.**

These features will also bring interactive learning to a more traditional classroom setting. For students, this means collaborating on projects with the ability to share content to each other's devices during group sessions. As well as share content and presentations to an entire class or lecture hall on an Apple TV with AirPlay. Faculty can work seamlessly on their MacBook and connect to present within classrooms, without issue or IT support.

The technological experience is the educational experience

In recent years, higher education institutions have been reimagining what learning methods and delivery modes do to enhance student experience and education equity.
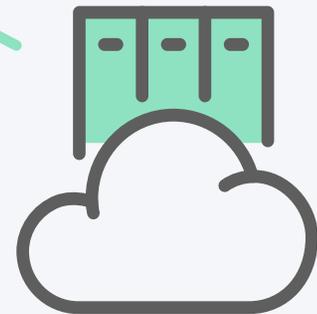
Enrollment trends, both at undergraduate and graduate levels, are shifting more to online programs for both traditional and non-traditional learners. With this trend hastened by the global pandemic, institutions are working harder than ever to accommodate and support all kinds of students with a push for equity and accessibility.

By leveraging digital textbooks and the personalized Jamf app catalog, Self Service, students are also able to go paperless and access resources anywhere — and at a fraction of the cost — which means institutions can truly offer equal access to the materials that students need to be successful.

Promising Jamf partnerships

Maybe your school is already using Microsoft or Google devices and tools and you're not sure how to integrate Apple into your current ecosystem. Jamf has recently announced conditional access with both Microsoft and Google, and this is just the beginning. Now you can unite the power that these big names provide, while ensuring your fleet remains properly managed and secured.

Keep it all secure

The popularity of Apple devices is also fueling its adoption rate among educational institutions and is directly linked to the growth of security incidents aimed specifically at Apple devices and their users. Navigating complex IT systems to secure student and faculty information, both on and off campus, is a challenge. But it's not impossible.

Jamf Pro paired with the power of Jamf Protect — the purpose-built Apple security solution — supports IT and information security teams monitor, detect and remediate malware and Apple-specific threats with minimal impact on devices and end users. Below are just a few of the ways Jamf can create a more secure educational environment without bogging down the exceptional experience Apple is known for.

Minimize risk by blocking malicious apps, enforcing security settings on devices, and manage app configurations to meet your institution's needs.

With the ability to enforce encryption, enrolled and managed devices are forced to comply with set security requirements in order to gain access to network resources. If a device does not meet compliance requirements, a user is directed to Jamf Self Service to self-remediate.

And as devices are increasingly mobile, the ability to find and secure a lost device is essential for protecting hardware and data. With Jamf Protect, Managed Lost Mode is controlled by

the administrator and must be disabled by the administrator before the device can regain operability. Similar to Find My iPhone, an administrator can send messages to the device while it is in Managed Lost Mode — they can even remotely wipe the device. Security threats are always evolving, and with higher institutions needing to support multiple types of end users, resources and a dispersed fleet, it's important to ensure that the security solution accomplish what IT teams need while delivering the Apple experiences users expect.

Did you know?

35% of all security breaches take place in higher ed

It costs a university an average of $300 to recover a single compromised record.*

* SOURCE: http://betanews.com/2014/12/17/35-percent-of-all-security-breaches-take-place-in-higher-education/

See Jamf in action

All institutions have their own unique goals and roadblocks, but in the end, many issues boil down into common needs that have to be met.

For example, **Oxford University** maintains exceptionally high standards for its students' education. But with their rapidly growing number of Apple devices, ensuring they have a reliable way to support, manage and protect their fleet is essential.

Check out how Jamf helps them rise to the challenge of keeping the oldest university in the English-speaking world on the cutting edge by reading their case study.

Although growing in numbers, 1-to-1 iPad programs in higher education are less prevalent than in K-12. This, however, didn't stop **Maryville University** from exploring the learning and teaching opportunities that only iPad can provide. Read their success story to get details on how they're **saving $590,000 annually by leveraging iPad over desktop computers**, providing equal learning opportunities to all students and elevating the classroom experience to meet the needs of instructors and students.

Oxford University success story

Read more

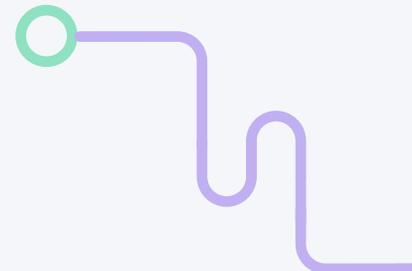## Maryville University success story

Read more

Another great example of how 1-to-1 programs can bring higher education to the next level, **Teesside University** encourages students to use creativity and critical thinking to challenge the status quo and move beyond traditional learning.

To enhance this work, the university introduced a 1-to-1 iPad program in the fall of 2018 — a step that reinforced their desire to constantly move forward and prepare students for an uncertain, yet technologically driven, future. **See their case study** to discover how they're able to manage thousands of devices with a small team while simultaneously supporting their teaching staff, helping students thrive and pushing the boundaries of what's possible with educational technology.

Jamf is the leading mobile device management (MDM) tool for Apple in higher education. Designed to automate common tasks around Apple deployment, inventory and security, Jamf makes device management easy, so you can better ensure a transformative learning experience while maintaining a secure environment. And with the capabilities that Jamf provides as a platform, there's never been an easier way to connect and protect your users and fleet in a way that enhances the experience, and power, of Apple.

Teeside University success story

Read more

Take your education technology to the next level

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Want more details about what Jamf provides or have questions about implementing these tools in your own institution?

Request Trial

Or contact your preferred reseller of Apple hardware.