

# Empowering students with a Mobile First Campus

Digital curriculum, classroom collaboration and context-aware services can elevate success for the always connected student. As mobility and IoT enabled environments increase, so does data capacity demands. Additionally, the need for live-work-play-learn amenities to attract new students becomes a priority<sup>1</sup>. As network challenges evolve, a secure and always-on Wi-Fi-enabled campus is a must.

## CONSIDERATIONS

### ENABLING STUDENTS FOR SUCCESS

**78%**

use of technology contributes to the successful completion of courses<sup>2</sup>

**#1**

negative impact on academic success is connectivity issues<sup>3</sup>

**85%**

transition to college would be easier if they had an app<sup>4</sup>

Statistics based on direct feedback from students.



### INFLUENCING OUTCOMES WITH ANALYTICS

at least **25%**

of students want data-driven personalization for academic matters, financial aid, and career prep<sup>4</sup>

only **56%**

of undergraduates graduate in 6 years<sup>5</sup>

Analytics can be used to gain insights and improve student success.



### SECURING AN ALWAYS-ON DIGITAL WORLD

**455**

Higher Education security incidents with

**73**

confirmed breaches<sup>6</sup>

Based on 2016 data.

**Social**

was involved in almost

**44%**

of the breaches, mostly via phishing emails<sup>6</sup>

**36%**

of students shared their device password

**19%**

shared their online account PIN<sup>7</sup>

Based on 2017 data.



### SUPPORTING DEVICE CHOICE AND PROLIFERATION

**81%**

connect two or more devices to the campus network simultaneously<sup>7</sup>

**51%**

use laptops in class to make other connections with the learning material<sup>7</sup>

**12M+**

authentications per day at 50k+ student university<sup>8</sup>



## THE SMART CAMPUS SOLUTION



#### ALWAYS ON CONNECTIVITY

- ✔ Uninterrupted high bandwidth connectivity while roaming or in dense environments (ClientMatch, AirMatch, Smart Rate)
- ✔ Identify issues before students do (AirWave, NetInsight)
- ✔ Optimize poor performing environments (NetInsight)



#### 360 SECURE FABRIC

- ✔ Differentiate access for students, staff, guests, and IoT (ClearPass)
- ✔ Machine-learned analytics to detect and respond to security risks (IntroSpect)
- ✔ Define access policies for different users and groups (ClearPass)



#### INSIGHTFUL AND AUTONOMOUS

- ✔ Automatically segment traffic to the correct location (Switches and ClearPass)
- ✔ Automatically improve user experience with load balancing, RF optimization, hitless failover (ArubaOS 8)
- ✔ Automate troubleshooting and streamline operations (8400 with NAE)



#### SIMPLIFIED AND FLEXIBLE

- ✔ Save time with unified wired and wireless IT operations
- ✔ Do things YOUR way (software defined, APIs, multi-vendor)
- ✔ Quickly scale to address new network demands



#### SMART SPACES WITH LOCATION AWARENESS

- ✔ Improve student and guest experience with wayfinding
- ✔ Engage students with location-based content
- ✔ Rich SDK options for customer app development

Aruba enables IT to reinvent higher education and campus environments – from dorm rooms to student centers, lecture halls to sports venues – empowering students and facilitating intelligent mobile and IoT experiences.

Ready to build your mobile-first higher education network?  
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